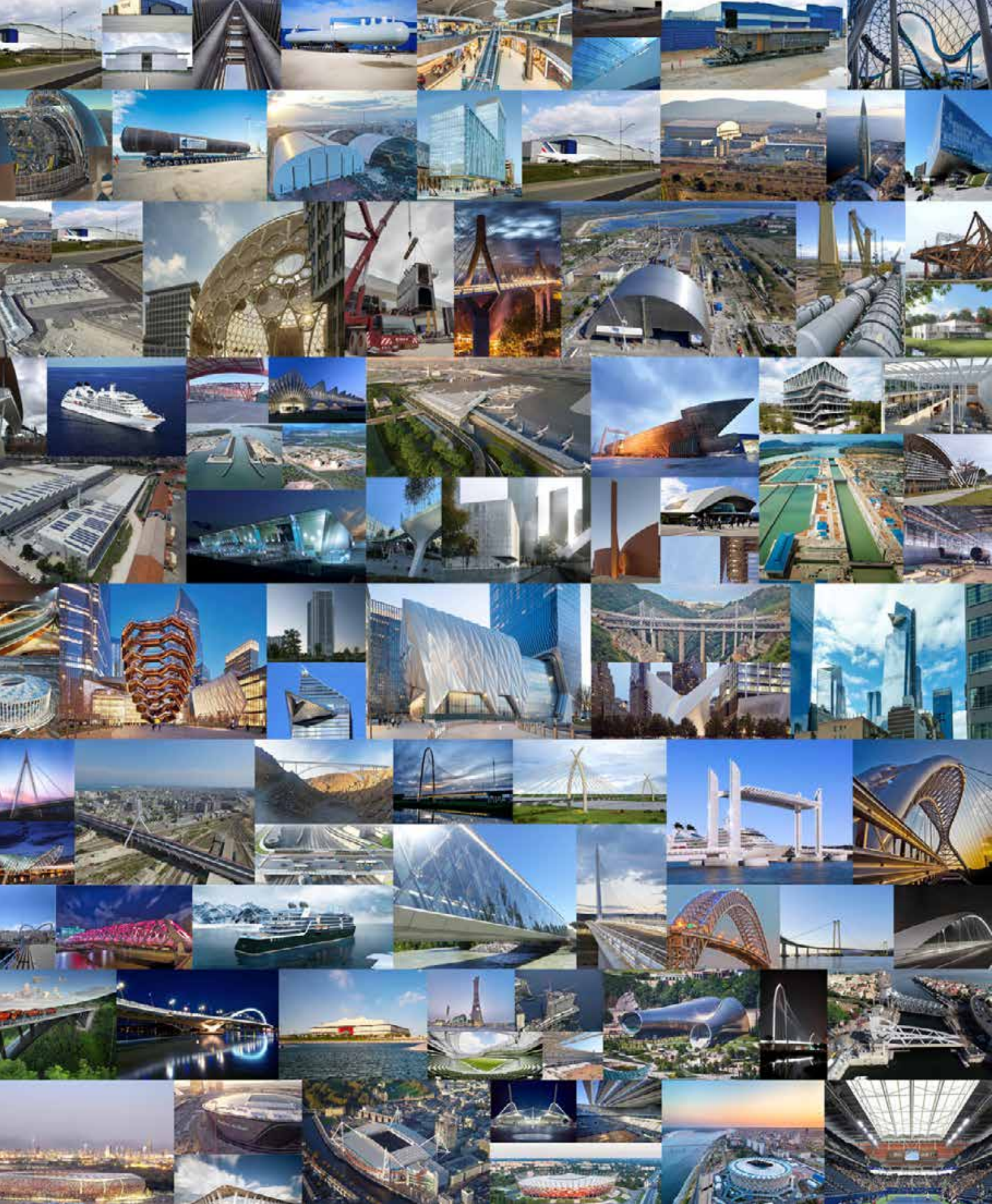
CIMOLAI GROUP

SINCE 1949

WWW.CIMOLAI.COM



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HISTORY

1949 Armando Cimolai, although employed, decided that the time was ripe to start his own business. Together with Albina, his young wife, he opened a small workshop which produced steel gates and windows.

1963 The economic boom of the 60's greatly encouraged the expansion of the family business. Cimolai constructed a new fabrication facility on Viale Venezia in 1963, fully equipped with technologically advanced installations and machinery. Many well-known manufacturing companies assigned Cimolai the job of expanding their fabrication facilities. Production was at a peak as projects from Zanussi, Fiat and Valeo were initiated.

1974 Cimolai had to adapt quickly to the needs of the market. In 1974, the fabrication plant in Polcenigo was built, followed by the construction of the Roveredo in Piano workshop in 1985 and the service centre in San Quirino in 1991. The name Cimolai became synonymous with professionalism and reliability throughout Europe and the rest of the world thanks to the subsequent projects undertaken, such as famous stadiums, bridges and aircraft shelters.

2003 With the expansion into the foreign market came the necessity to consider transportation. With this in mind, the San Giorgio di Nogaro fabrication plant, on the banks of the Aussa Corno River, was constructed and equipped with a mooring quay for ocean going vessels. Production of large pipes began in 2003 and the fabrication of ship hulls in 2007.

2006 The year 2006 was crucial for the generational changeover. Armando and Albina left the ownership of the companies to their children. Cimolai Spa, today a world leader in the construction of bridges, civil and military buildings, stadiums and steel works of art, was transferred to his son Eng. Luigi Cimolai.

2011 The company's growth continued with the acquisition of Fabris Srl, a company specializing in mechanics. Zwahlen & Mayr SA, a leading Swiss structural steelwork company, was bought shortly after, in 2012. And finally, a new 46,700 m^2 plant in Monfalcone was opened, part of a vast 280,000 m^2 area.

2014 The JVK-Cimolai company was founded, with its headquarters based in Chelyabinsk, Russia. This laid the foundation for production companies to be formed in emerging countries, as well as businesses with local partners to be developed. The plant, 26,400 m^2 in size, was equipped with the most modern machines possible for the construction of steel structures.

2015 Three companies were set up: C&S Walls Srl, today CS Facades Srl, which specializes in curtain walls, Cimolai Energy Srl which deals with components for the Oil&-Gas industry, and Cimolai Heavy Lift Srl which manages and assembles heavy structures.

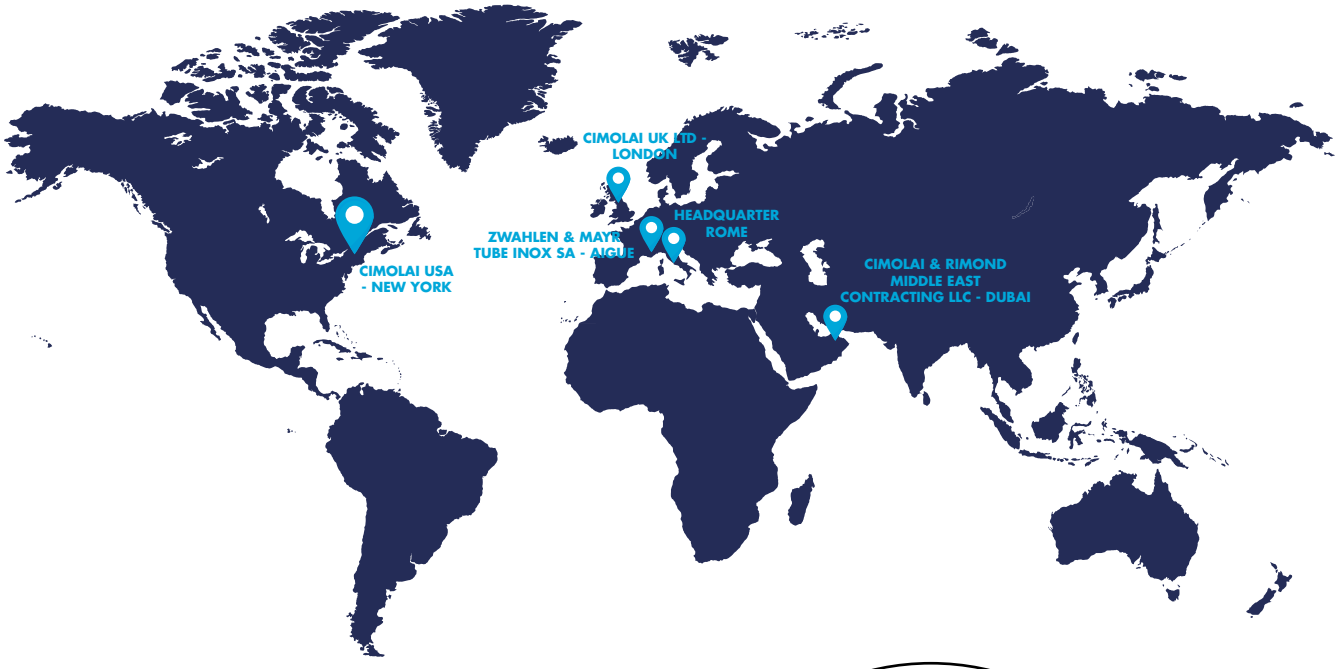
2017 Cimolai installed automatic dimensional control to enable pipe production, in addition to a new heat treatment furnace installation. Secondly, in order to fulfill major project requirements, the conventional manual UT testing was replaced by a new automatic UT testing method. Another two companies were set up, one being Cimolai ASC Srl, with its HQ in Porcia, where the design and construction of cladding for civil and industrial buildings takes place and Cimolai & Rimond Middle East Contracting LLC, with its HQ in Dubai. In addition, Cimolai completed the certification process for environmental ISO 14001 in all its production sites.

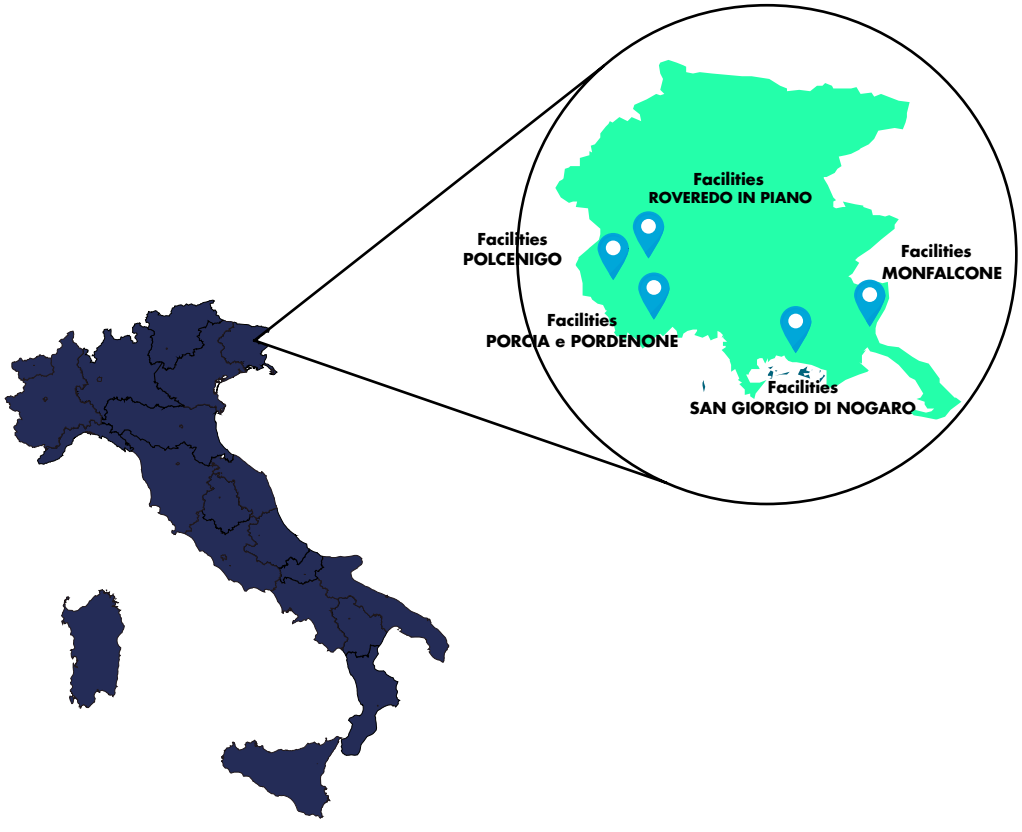
2019 The company continued to grow and expand, above all internationally. Cimolai strengthened its presence in Central and South America with technologically advanced projects, while in Europe, as general contractor, it expanded its fields of operation. The plants in San Giorgio di Nogaro and Monfalcone were expanded to cope with the growing production, bringing the covered areas to 60,000 m^2 each. In the manufacturing facility of Polcenigo, a new automatic cutting and drilling line was installed, a laser cutting line for profiles and one with automatic mechanical movement for plates. Roveredo in Piano was upgraded and modernised with welding robots.

2021 2021 Over the years, we realised how important it was to offer an increasingly complete and customised service, which is why the two companies Cimolai ASC and CS Facades Srl merged to become Cimolai Architectural, specialising in architectural cladding and complex ornamental elements.

President Luigi Cimolai

OFFICIES & FACILITIES





CIMOLAI SpA - Porcia - Italy
Administrative offices

CIMOLAI SpA - Monfalcone - Italy
Total area 280,000 m² - 60,000 m² covered area

CIMOLAI SpA - S. Giorgio di Nogaro - Italy
Total area 182,000 m² - Covered area 56,000 m²

CIMOLAI SpA - S. Giorgio di Nogaro 2 - Italy
Total area 93,500 m² - Covered area 16,000 m²

CIMOLAI SpA - Roveredo in Piano - Italy
Total area 121,000 m² - Covered area 50,500 m²

CIMOLAI SpA - Artugna - Italy
Total area 87,000 m²
Covered area 12,000 m²

CIMOLAI SpA - Polcenigo - Italy
Total area 108,000 m² - Covered area 45,000 m²

CIMOLAI ARCHITECTURAL Srl - Pordenone - Italy
OFFICIES

ZWAHLEN & MAYR SA - Aigle - Switzerland
Total area 145,000 m² - Covered area 30,000 m²

MAIN GROUP DATA

58
COUNTRIES

1,016,500
M2 OF INDUSTRIAL AREAS

269,000
M2 OF COVERED INDUSTRIAL AREAS

160,000
TONS STEEL STRUCTURES PROCESSED FOR YEAR

MARKETS


HEAVY LIFTS
EPC CONTRACT
STEEL FABRICATION
PIPES OF LARGE DIAMETER
NAVAL PROJECTS
STAINLESS STEEL TUBES
OFFSHORE OIL & GAS
SPECIAL ENVELOPE CURTAIN WALL
MECHANICS

TECHNICAL DEPARTMENT

By applying Building Information Modeling methodologies to the entire production process, Cimolai proves itself to be a cutting-edge company, in step with the latest technologies.
From the initial offer phase, through the design and construction phases and ending with the delivery of the completed work, the entire information flow is managed in an integrated way through continuously updated three-dimensional models which are then shared with all interested parties, both internal and external, in a fully collaborative spirit. The transparency and ease of access to design data guaranteed by BIM processes, allows all users involved to achieve their objectives in an efficient and effective way.

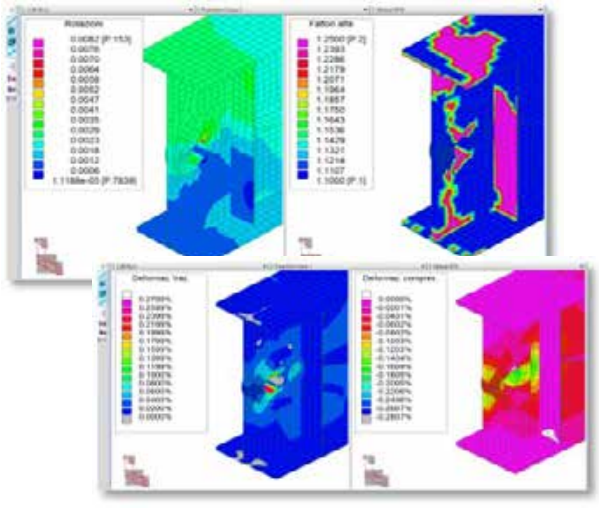
SERVICES

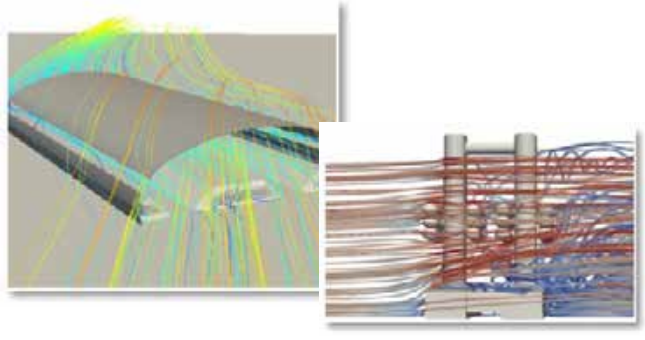
SOFTWARE ECOSYSTEM

TECHNICAL DEPARTMENT
Engineering services

STRUCTURAL DESIGN
FEM

Cimolai engineers perform advance FEM Analysis of global structural models as well as local detailed models for Nodes and Connections. Structural member and node checks are performed using automated tools, developed in-house by Cimolai, that carry out the verifications at the post-processing phase, according to the various International Code prescriptions and Standards: Post Beam tool for member structural checks, Post Welds for weld checks, Post Yield for Non-Linear Geometrical and Material Analysis NLGMA of complex nodes/connections is run in compliance with EN 1993-1-5, Post Joint to link the local FE numerical model, the global design model and structural model in order to better manage and implement design development, consequentially reducing the computational time.



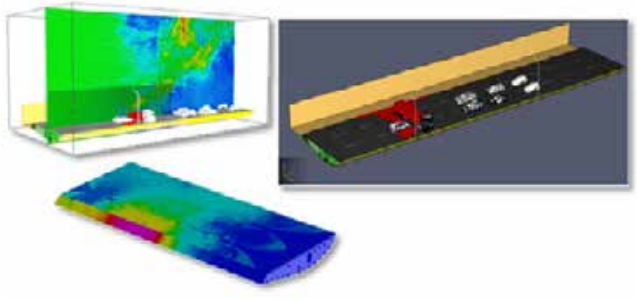


CDF

Ansys and OpenFoam help Cimolai in advanced CFD analysis, in various fields of application. We collaborate with different University Wind Tunnel Test facilities to design the test itself, to interpret results, and to transfer loads on structures.Our PhD specialists profoundly analyze associated dynamic phenomena, including fatigue verification from waves and wind.

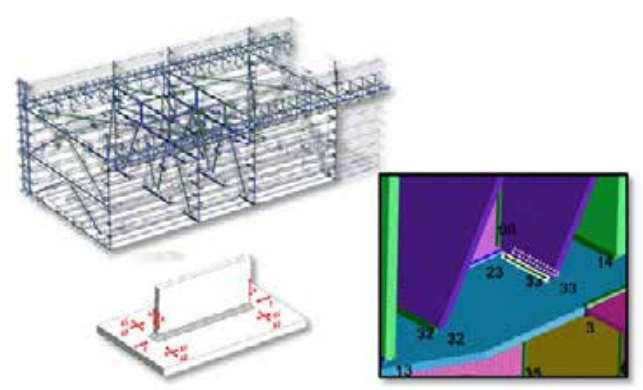
Fire

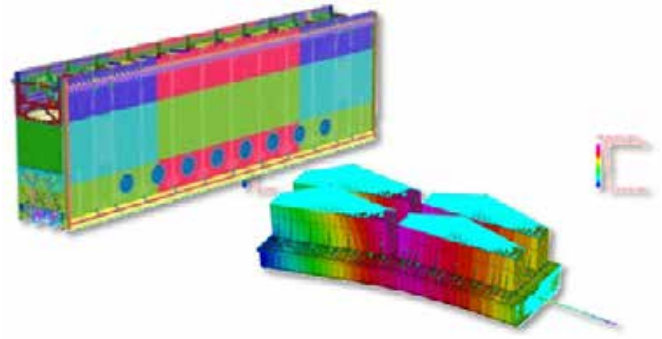
Fire design is an activity performed in different fields of applications, choosing the combinations of systems depending on the required standards and specifications of the client. Analysis capabilities by PhD specialists also include fully advanced simulations of fire loads with FDS models,incorporating wind presence.



TECHNICAL DEPARTMENT
Engineering services

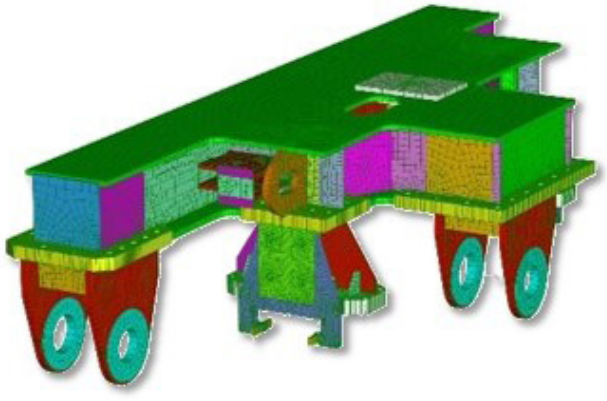
Fatigue
Engineers in Cimolai are able to perform 28 advanced fatigue checks with modified nominal stress + Strain Energy Method directly from the FEM nodal forces according to EN 1993-1-9, AASHTO, AISC, DNV-GL standards. This permits performance of the calculation of the welds of large megastructures against fatigue spectra and the possibility to have U.F. for resistance and fatigue associated with a unique ID for automatic NDT as for EN 1090-2018.





Waterborne structures and marine
Waterborne structures are analysed against the spectra of waves for resistance and fatigue. We perform heavy transport design with different types of HTV, from barges to SSHTV interacting with naval specialists and Registers to address esistance and fatigue design of grillage and sea fastening.

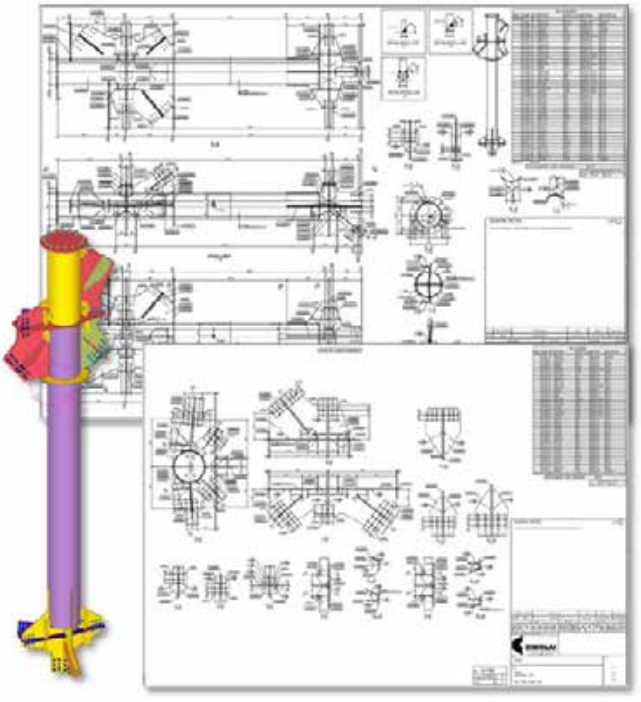
Mechanical
Cimolai's capabilities extend also to mechanical design, according to standards and specifications
in different fields of heavy lifting and heavy moving structures. The design considers the various
technologies and coupling of different materials, with performance based optimizations of different weights and shapes.

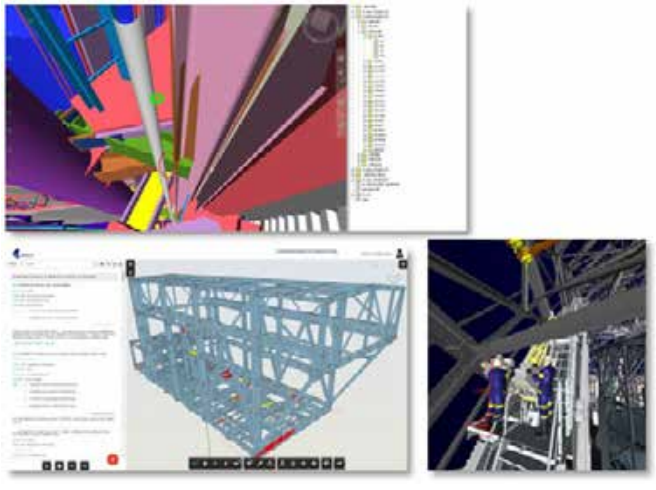


TECHNICAL DEPARTMENT
Engineering services

STEEL DETAILING

Thanks to 3D modelling, Cimolai accurately manages
and integrates the detailing, production
and erection tools of all types of steel structures.
Shop drawings are automatically generated by state of the art tools, helping the steel detailer to focus on the accuracy of the information produced. By using Tekla Material Traceability Tool (MTT), we are able to manage all the information associated with a weld, such as: weld mark, type (FW, DFW, PJP and CJP) and related throat, the associated shop drawings, weld length and section area, volume and weight.
The traceability of the structural materials is not limited to the welds, but also applied to parts, bolts and assemblies. 3D visualization tools are used to coordinate, review, and approve shop drawing submittals while still delivering 2D submittals of shop drawings as required by local building regulations.





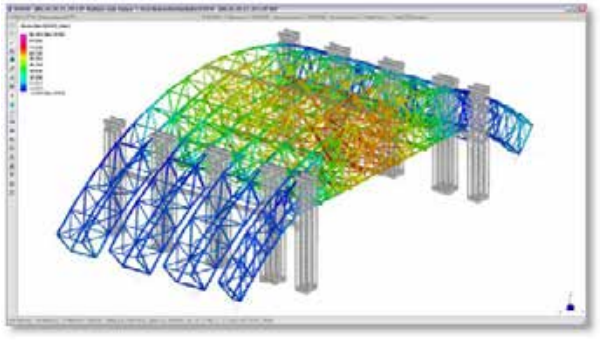
BIM SERVICES

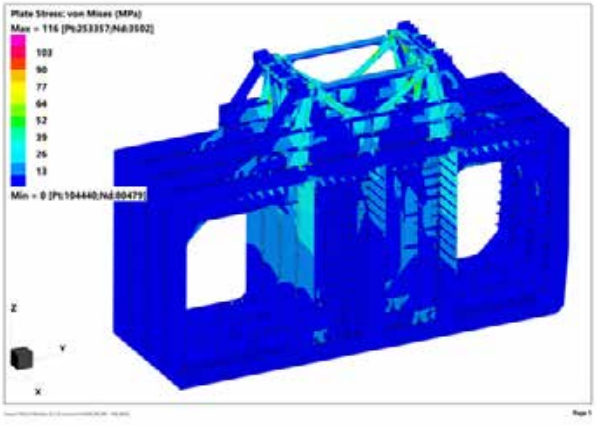
Powerful BIM tools allow excellent management of all the design processes, from the concept to the final delivery, also thanks to an innovative and fully customized web-based Collaboration Platform. By taking advantage of the 3D models, it is possible to perform clash detections to avoid complicated and expensive problems in the construction phase, simulate erection or handling operations to evaluate their feasibility, use visual programming software applications to explore different scenarios quickly and intuitively, and generally improve the quality of the whole work.

TECHNICAL DEPARTMENT
Engineering services

ERECTION AND TRANSPORTATION ENGINEERING
FEM stage analysis

Cimolai designs erections of complex mega-structures,
according to standards and specifications, taking into account meteorological variables and special equipment. In particular, if necessary, control of imposed deformations or congruence techniques permit the acquisition of the final design configuration without insertion of non requested internal forces.



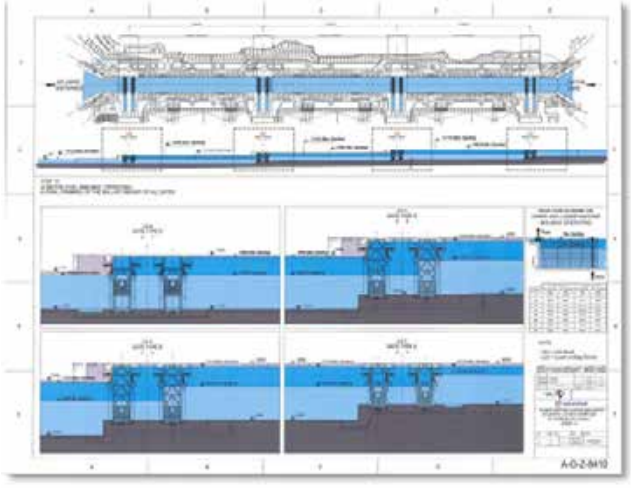


LOCAL STRUCTURAL CHECKS

Detailed analyses are performed taking into account not only the actual stiffness of the transported elements but also contact and other non-linearities to reduce the risk of damage to both the transported structures and the carrier.

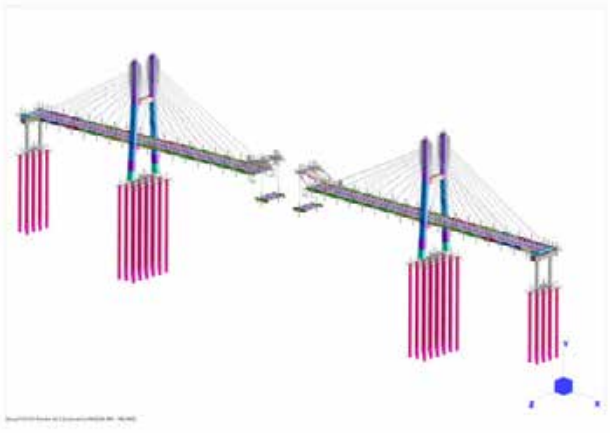
INSPECTION

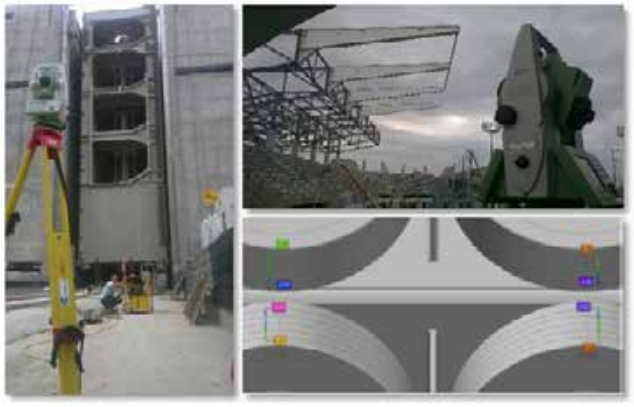
Cimolai carries out tests in static, dynamic and hydraulic conditions, simulating and designing tests before the work is carried out, with the aim of comparing and decoding the data obtained from the measuring instruments to assess the actual performance.



TECHNICAL DEPARTMENT
Engineering services

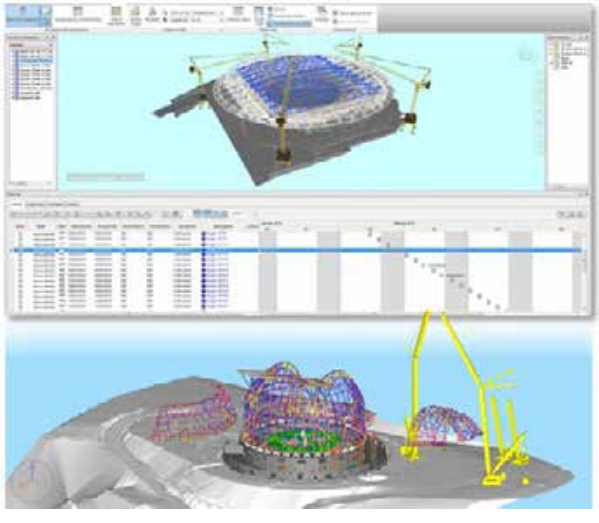
ASSEMBLY OF BRIDGES
Cimolai's expertise also includes designing the assembly of major bridges, using different techniques, and designing specific equipment for lifting, assembling and moving following the rules of design, regulations and specifications for both road and rail.





CONSTRUCTION SUPPORT
By integrating the construction schedule with BIM (4D) models, it is possible to verify both that the actual situation is in line with the planned one and to explore possible alternative scenarios if needed. The combined use of information models and the collaboration platform allows designers to check the status of production, shipping and assembly of structural elements in an integrated environment that provides fast and accurate reports. On-site storage areas are also managed, so that assembly operations are feasible and elements can be easily tracked.

DIMENSIONAL CONTROLS
During manufacturing and assembly, depending on the required geometry and tolerances, different types of tools and methodologies can be used to ensure an accurate result. Virtual pre-assembly procedures verify that the elements can be assembled in order to obtain evidence that the entire structure can be completed without having to make changes to the structural elements. At the construction site, the final position of the installed elements is compared with the geometry extracted directly from the 3D design models in order to verify compliance with the expected tolerances.



CERTIFICATIONS

Cimolai SpA

- ISO 9001:2015
- ISO 30415
- ISO 3834-2:2021
- AISC
- Los Angeles Approval
- NHSS 20 / 19A
- RQSC
- SCSC
- ACHILLES OIL AND GAS EUROPE
- SNCF
- SOA
- RETE FERROVIARIA ITALIANA
- ASME U / U2
- THE NATIONAL BOARD - NB
- THE NATIONAL BOARD - R
- API 5L-0512
- API 2B LICENSE 2B-0090
- EN 1090-1-MARCATURA CE
- EN 1090-1-MARCATURA UKCA
- PED
- ISO 39001:2012
- ISO 45001:2018
- ISO 14001:2015
- Achilles - UNCE
- CSA standard W 47.1
- UNI/PDR 74:2019
- Achilles - Oil and Gas Europe
- EN 10210-1
- EN 10219-1

ZM Zwahlen & Mayr SA

Inox certifications:

- ISO 14001
- PED 2014/68/EU
- TUV AD 2000 W0
- IATF 16949
- ISO 9001/2015

Steel certifications:

- EN 1090-1-EXC4
- EN ISO 3834-2
- ISO 9001/2015
- ISO 14001

ENVIRONMENTAL SUSTAINABILITY

3,989 kWp
OF INSTALLED POWER

3,800,000 kWh/kWp
OF ENERGY PRODUCED

2,020 TON
OF CO2 SAVED

BRIDGES

15
COUNTRIES

OVER
1 MILLION
TONS OF STEEL

BRIDGES
Major Projects

p. 28

Viaduct over the Grand Canal Maritime **1994**
Le Havre - France - 1,410 m total length

Second Severn Crossing bridge **1994**
Bristol - UK - 2,140 m total length

Cavaillon Viaduct e Cheval Blanc **1997**
Cavaillon - France - 2,500 m total length

Viaducts on the Adana-Gaziantep motorway **1999**
Turkey - 5,200 m total length

Bomla bridge **2000**
Stord - Norway - 500 m total length

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Franjo Tudjman bridge **2001**
Dubrovnik - Croatia - 314 m total length

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Chavanon viaduct **2001**
Merlines - France - 360 m total length

Cable Stayed bridge over the Adda river **2003**
Montodine - Italy - 400 m total length

BRIDGES
Major Projects

Railway bridge over Dora Baltea **2004**
Rondissone - Italy - 150 m total length


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Viaducts in Reggio Emilia **2006**
A1 motorway - Italy - 220 m -180 m total length


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Celtic Gateway bridge **2006**
Holyhead - UK - 170 m total length


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String Bridge **2007**
Jerusalem - Israel - 160 m total length

Darwin bridge **2008**
Padova - Italy - 550 m total length


p. 34

Bridge over the Ravine Fontaine **2009**
St. Leu - Reunion Island - 200 m total length


p. 35

Bridge of Peace **2010**
Tbilisi - Georgia - 160 m total length


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Margaret Hunt Hill bridge **2010**
Dallas - USA - 366 m total length

BRIDGES
Major Projects

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Viaduct over the Adige river **2010**
South Valdastico - Italy - 1,000 m total length

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Ostiense bridge **2011**
Rome - Italy - 160 m total length

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Hans Wilsdorf bridge **2011**
Geneva - Switzerland - 85 m total length

Al Raha bridges **2011**
Abu Dhabi - UAE - 80 m - 88 m total length

Viaduct Leon Blum **2013**
Poitiers - France - 310 m total length

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Poya viaduct **2013**
Fribourg - Switzerland - 850 m total length

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Chaban Delmas bridge **2013**
Bordeaux - France - 430 m total length

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Raymond Barre bridge **2013**
Lyon - France - 260 m total length

BRIDGES
Major Projects

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Footbridge over the Rhone **2013**
Lyon - France - 260 m total length

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Favazzina viaducts **2013**
A3 motorway - Italy - 440 m total length

Serra viaduct **2014**
A3 motorway - Italy - 230 m total length

Bridge over the Gravina river **2015**
Bradanica National road - Italy - 144 m total length

Viaducts over the Lambro river **2016**
A1 motorway - Italy - 4,000 m total length

Temple Quay bridge **2016**
Bristol - UK - 65 m total length

Section 3.2 **2016**
A3 motorway - Italy - 7,300 m total length

Lame Strette bridges **2016**
Bari - Italy - 1,205 m total length

BRIDGES
Major Projects

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Adriatic bridge **2016**
Bari - Italy - 626 m total length

Bayonne bridge **2016**
New York - USA - 510 m total length

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Tegeval bridge **2016**
Creteil - France - 210 m total length

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Swing bridge **2018**
Geneva - Switzerland - 30 m total length

Pisticci bridge **2018**
Matera - Italy - 60 m total length

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Bridge over the Crati river **2018**
Cosenza - Italy - 140 m total length

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Sadi Carnot **2019**
Montpellier - France - 55 m total length

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Ceva bridge **2019**
Geneva - Switzerland - 82 m total length

BRIDGES
Major Projects

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The Tide **2020**
London - UK - 220 m total length

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N60 bridge **2020**
Newark - USA - 305 m total length

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Buchler Bridge **2021**
Grand Duchy of Luxembourg - 103 m total length

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Throgs Neck Bridge **2021**
New York - USA - 887 m total length

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Viaducts Nanay **2022**
Iquitos - Perù - 1,503 m total length

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Okavango Bridge **2022**
Mohembo - Africa - 1,161 m total length

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Pleyel - A86 **2022**
Paris - France - 186 m total length

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Ponte OA7 **2022**
Valenciennes - France - 75,5 m total length

BRIDGES
Major Projects

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CDG Express - Zone C - Porte de la Chapelle **2022**
Paris - France - 296 m total length

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La Joya Bridge **2023**
Arequipa - Perù - 371 m total length

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16 Tech Bridge **2023**
Indianapolis - USA - 207 m total length

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N69 River Feale Bridge **2023**
Kerry - Republic of Ireland - 7 km of road

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Cyclist Footbridge PC8 **2023**
Esch Sur Alzette - Grand Duchy of Luxembourg
- 1,700 m total length

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Line 17 Paris Metro **2023**
Paris - France - 3,4 km of viaduct

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Anne De Bretagne Bridge **2023**
Gonesse - France - 140 m total length

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Perly Bridge **2023**
Geneva - Switzerland - 125 m total length

BRIDGES
Major Projects

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S.S- 106 Jonica **2023**
Roseto Capo Spulico - 900 m total length

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4-Lane Viaducts Grosseto - Fano **2023**
Siena - Italy - from km 27+200 to km 30+038

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Bridge Over the Chiusella **2023**
Highway A5 KM 36+487 - 36 + 779 - Italy
Total length 292 m

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Cycle/Footbridge Over The Satanasso **2023**
Villapiana - Italy - 64,5 m total length

p. 77

Railway Overpass **2023**
Vinkovci - Croatia - 210 m total length

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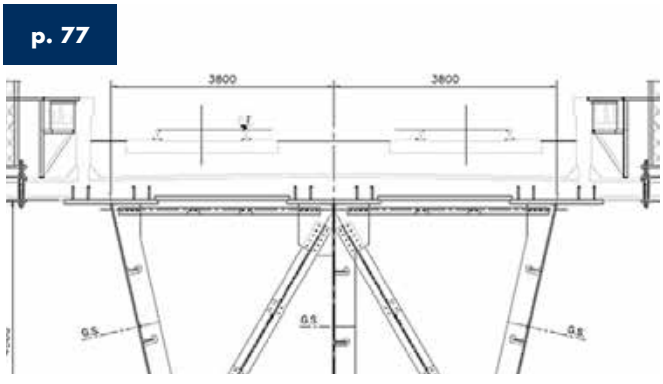

Bridge Over The Mincio **2023**
Peschiera del Garda - Italy - 172 m total length

BRIDGES
Major Projects

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Fossano Bypass Viaducts **2023**
Road S.S.231 "di Santa Vittoria"- Italy
- 780 m total length

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Pont Ligne T9 Bridge **2023**
Lyon - France - 134 m total length

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JFK T1 **2023**
New York - USA - 460 m total length

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JFK T6 **2023**
New York - USA - 903 m total length

VIADUCT OVER THE GRAND CANAL MARITIME

Le Havre - France - 1994

Owner:	Conseil General de La Seine Maritime
Designer:	Scetauroute
Gen. Contractor:	*Cimolai SpA* - Torno SpA - Maltauro SpA JV
Dimensions:	length: 1,410 m central span:180 m width: 18.9 m altitude central span: 57 m from water surface
Description:	archframe highway bridge and access viaducts

FRANJO TUDJMAN BRIDGE
Dubrovnik - Croatia - 2001

Owner:	Hrvatska Uprava Za Ceste
Designer:	J.Radic
Gen. Contractor:	Walter Bau AG
Dimensions:	length: 474 m
	spans: 244 m + 90 m
	width: 14 m
	carriageway height: 50 m
	pylon height: 91m
	hangers: 40
Description:	cable-stayed road bridge

CHAVANON VIADUCT
Merlines - France - 2001

Owner:	Autoroutes du Sud de la France
Gen. Contractor:	*Cimolai SpA* - GTM Construction - JV
Dimensions:	length: 360 m
	spans: 30 m + 300 m + 30 m
	width: 22 m
	carriageway height: 100 m
	pylon height: 65 m
	hangers: 31
Description:	suspended motorway bridge

REGGIO EMILIA VIADUCTS
A1 Motorway - Italy - 2006

Owner:	Municipality of Reggio Emilia
Architect:	Santiago Calatrava
Gen. Contractor:	C.E.P.A.V. Uno
Dimensions & description:	2 cable-stayed bridges length: 180 m width: 22 m pylon height: 68 m stays: 52 1 arch bridge length: 220 m height: 46 m hangers: 100

CELTIC GATEWAY BRIDGE
Holyhead - UK - 2006

Owner:	Isle of Anglesey County Council
Architect:	Gifford and Partners
Gen. Contractor:	Laing O'Rourke
Dimensions:	length: 170 m
	span: 70 m
	width: 4.6 m
	deck height: 7.5 m
Description:	duplex steel footbridge

STRING BRIDGE
Jerusalem - Israel - 2008

Owner:	Moriah Jerusalem Development Company LTD
Architect:	Santiago Calatrava A.S.
Gen. Contractor:	Koor Metals
Dimensions:	long deck 160m and wide 12.5m, weight approx 3100ton including parapet, tall pylon 118m, weight approx 1200ton cables nr.66
Description:	It is a cable-stayed bridge intended for the LRT. Asymmetrical shape, light and eye-catching, it stands in a highly urbanized context.

BRIDGE OVER THE RAVINE FONTAINE

St. Leu - Reunion Island - 2009

Owner:	Reunion Region
Architect:	Frédéric Zirk et Pierre-Guillaume Dezeuzet
Gen. Contractor:	Demathieu et Bard - *Cimolai SpA* - JV
Dimensions:	total length: 200 m
	central span length: 170 m
	width: 20 m
	arch height: 25 m
	carriageway height: 88 m
Description:	arch bridge

BRIDGE OF PEACE
Tbilisi - Georgia - 2010

Owner:	Old City Rehabilitation and Development Fund
Architect:	Michele De Lucchi
Gen. Contractor:	*Cimolai SpA* - Permasteelisa S.p.A. - JV
Dimensions:	roof length: 115 m footbridge length: 160 m roof width: 12 m - 19 m roof footbridge width: 2.40 m - 4.80 m altitude from water surface: 8 m
Description:	suspended pedestrian walkway covered by steel structure - glass

MARGARET HUNT HILL BRIDGE
Dallas - USA - 2010

Owner:	Texas Department of Transportation
Architect:	Santiago Calatrava
Gen. Contractor:	Williams Brothers Construction Co.
Dimensions:	length: 366 m
	spans: 183 m + 183 m
	width: 36 m
	pylon height: 135 m
	carriageway height: 14.6 m
	stays: 58
Description:	cable-stayed road bridge

VIADUCT OVER THE ADIGE RIVER
Piacenza d'Adige - Italy - 2010

Owner: Autostrada Bs - Vr - Vi - Pd
Gen. Contractor: *Cimolai SpA*
Dimensions: length: 1,000 m
spans: 140 m + 310 m + 140 m
width: 29.70 m
pylon height: 110 m
carriageway height: 18 m
stays: 32
Description: highway cable-stayed bridge and access viaducts

OSTIENSE BRIDGE
Rome - Italy - 2011

Owner:	Roma Capitale
Designer:	Francesco del Tosto
Gen. Contractor:	*Cimolai SpA*
Dimensions:	total length: 160 m
	arch length: 125 m
	spans: 19 m + 125 m + 15 m
	width: 31.5 m - 40 m
	arch height: 36 m
	carriageway height: 9 m
	stays: 58
Description:	railway flyover


50

HANS WILSDORF BRIDGE
Geneva - Switzerland - 2011

Owner:	Fondation Hans Wilsdorf (Rolex)
Architect:	Brodbeck-Roulet SA
Designer:	Amsler & Bombelli
Gen. Contractor:	*Zwahlen & Mayr*
Dimensions:	length: 85 m
	width: 17.6 m
	height: 7.9 m
Description:	road bridge

POYA VIADUCT
Fribourg - Switzerland - 2013

Owner:	Etat de Fribourg
Architect:	GVH Tramelan SA
Designer:	GVH SA, Tramelan
Gen. Contractor:	Implenia Ltd
Dimensions:	length: 850 m
	width: 19 m
	height: 80 m
Description:	cable-stayed motorway viaducts

JACQUES CHABAN DELMAS BRIDGE
Bordeaux - France - 2013

Owner:	Communauté Urbaine de Bordeaux
Architect:	Thomas Lavigne
Gen. Contractor:	*Cimolai SpA* - GTM Sud-Ouest - GTM Sud Vinci Constructions - JV
Dimensions:	total length: 430 m spans length: 134 m + 117 m + 160 m width: 32 m - 45 m height of pylons: 80 m vehicle transit deck height: 11 m central span height ships transit: 53 m
Description:	movable bridge and access spans

RAYMOND BARRE BRIDGE
Lyon - France - 2013

Owner:	Grand Lyon
Architect:	Alain Spielmann
Designer:	Setec TPI
Gen. Contractor:	Bouygues Travaux Publics - Matière *Zwahlen & Mayr* - JV
Dimensions:	length: 260 m span: 72 m + 150 m + 38 m width: 17.5 m arch height: 17.5 m
Description:	arch bridge

FOOTBRIDGE OVER THE RHONE

Lyon - France - 2013

Owner:	Grand Lyon
Architect:	Dietmar Feichtinger
Designer:	Schlaich Gergemann und Partner
Gen. Contractor:	*Zwahlen & Mayr* - CBR TP(Vinci) - DR Citeos - Soletanche Bachy - JV
Dimensions:	length: 260 m span: 160 m width: 5 m - 8 m height: 8 m
Description:	lattice arch bridge

FAVAZZINA VIADUCTS
A3 Motorway - Italy - 2013

Owner:	Anas SpA
Designer:	Inco Engineering S.r.l.
Gen. Contractor:	Impregilo SpA - Società Italiana per Condotte d'Acqua SpA - JV
Dimensions:	length: 440 m spans: 110 m + 220 m + 110 m width: 13.70 m antenna height: 45 m railway deck elevation: 105 m stays: 32 per antenna
Description:	2 cable-stayed motorway viaducts

ADRIATIC BRIDGE
Bari - Italy - 2016

Owner:	Municipality of Bari
Architect:	Carlos Fernandez Casado
Gen. Contractor:	*Cimolai SpA*
Dimensions:	total length: 1,220 m
	spans: 245 m + 225 m + 156 m
	width: 25.50 m
	pylon height: 72 m
	stays: 30
Description:	cable-stayed bridge

TEGEVAL BRIDGE
Creteil - France - 2016

Owner:	SMER - Créteil
Architect:	Marc Mimram
Designer:	Marc Mimram Ingénierie
Gen. Contractor:	Bouygues Travaux Publics - *Zwahlen & Mayr* - JV
Dimensions:	length: 210 m
	width: 5.40 m
Description:	arched road bridge

SWING BRIDGE
Ginevra - Switzerland - 2018

Owner:	Cheneviers IV
Gen. Contractor:	*Zwahlen & Mayr* - Martì - JV
Dimensions:	length: 30 m width: 5 m
Description:	the work consists of a moveable bridge (deck designed with orthotropic plate) used to connect two distinct areas of the park where the waste to energy plant in Geneva is located. The mechanical part (about 30 t) of the bridge has been completely engineered by Cimolai and ZM, introducing an innovative movement system.

BRIDGE OVER THE CRATI RIVER
Cosenza - Italy - 2018

Owner:	Municipality of Cosenza
Architect:	Santiago Calatrava
Gen. Contractor:	*Cimolai SpA*
Dimensions:	length: 140 m
	width: 24 m
	antenna height: 82 m
	stays: 40
Description:	cable-stayed bridge

SADI CARNOT

Port de Sète - Montpellier - France - 2019

Owner:	Region Occitanie
Architect:	Strates
Gen. Contractor:	Baudin Chateauneuf
Description:	fabrication of the metalwork of the Sadi-Carnot mobile bridge. The bridge, 17 m high, 55 m long and 13 m wide, consists of a deck for pedestrian and road traffic supported by a truss structure. Its mobility is ensured by two pistons placed in the abutment below the deck.

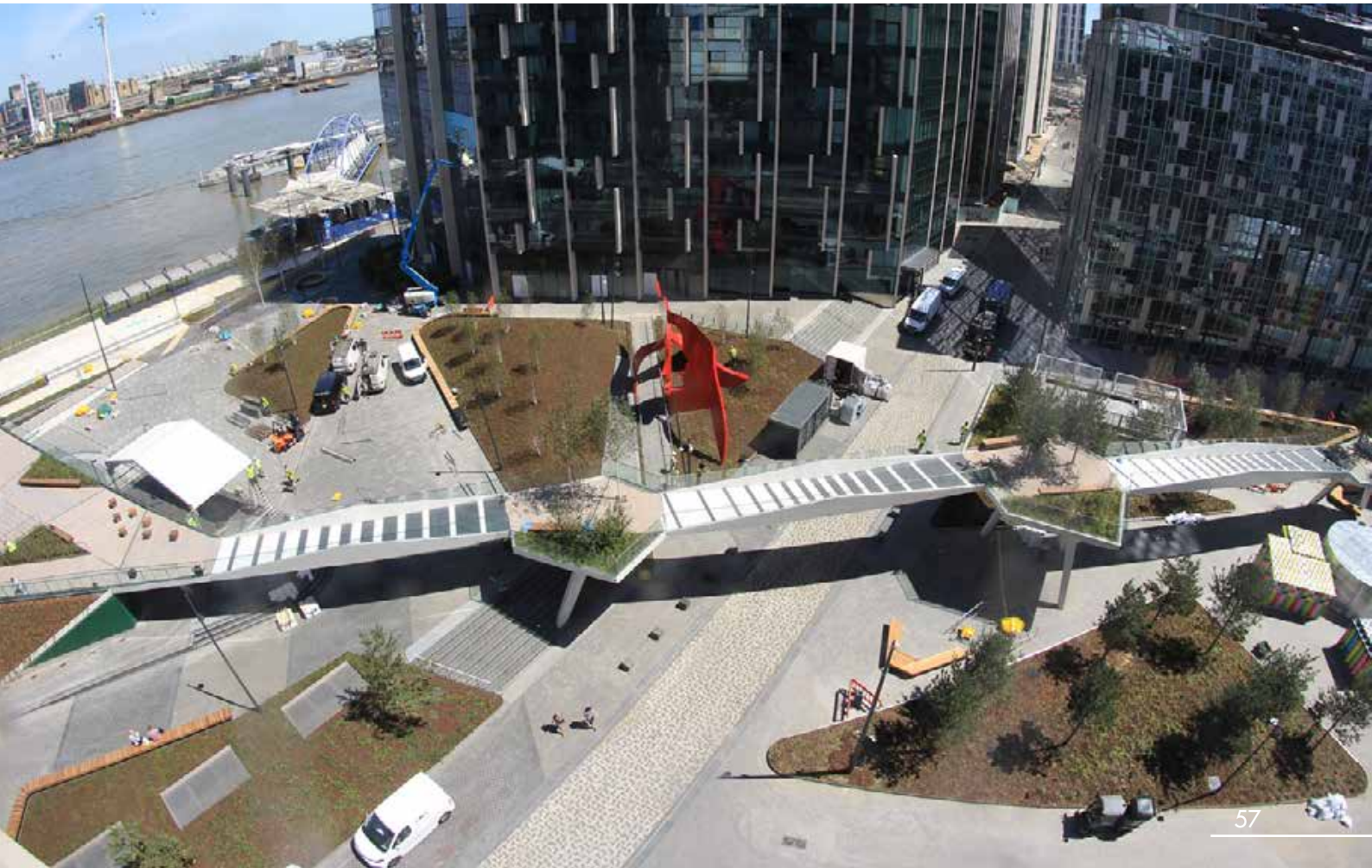
CEVA BRIDGE
Geneva - Switzerland - 2019

Owner:	CFF, Ville de Geneve
Architect:	BMS architectes
Gen. Contractor:	SD ingénierie SA
Dimensions:	length: 82 m width: 10 m height: 8,5 m
Description:	realization of the Arve Bridge facade system and glass that aims to reduce noise pollution caused by the railway line.

THE TIDE

Greenwich Peninsula - London - United Kingdom - 2019

Owner: Knight Dragon
Architect: Diller Scofidio & Renfro
Gen. Contractor: Mace Group Ltd
Dimensions: total length 220 m
Description: supply and installation of steel structures for an elevated walkway in the area adjacent to the O2 arena. The structure consists of main elements called "islands" connected by pedestrian bridges. The supply also included finishing works such as technical and architectural gratings, glass and stainless steel parapets.



N60 BRIDGE
Newark - USA - 2020

Owner: The Port Authority of NY & NJ
Gen. Contractor: Owen Steel Company Inc
Dimensions: total length 305 m
width 30 m
Description: for Newark Liberty International Airport (NJ), Cimolai is constructing the N60 Bridge, the access bridge to the new Terminal One building. The bridge, divided into 3 segments, rests on concrete piles and consists of 11 spans. The bolted structure of the bridge is composed of 187 main beams up to 36 m long and about 1 m high, and a secondary frame of transverse diaphragms.

BUCHLER BRIDGE
Grand Duchy of Luxembourg - 2021

Owner: Gouvernement du Grand - Duché de Luxembourg
Designer: Schroeder & Associés
Gen. Contractor: Félix Giorgetti S.A.R.L. - *Cimolai SpA* - JV
Dimensions: total length 103 m
width: 42 m
Description: The work includes the construction of a railroad overpass with a mixed steel-concrete structure in the center of the city of Luxembourg with crossing of several railroad tracks. The work has a total weight of 1,200 t, and was placed in two phases.

Photo by Portail des travaux publics

THROGS NECK BRIDGE
New York - USA - 2021

Owner: MTA Bridges and Tunnels
Gen. Contractor: Judlau - OHL Group
Dimensions: total length 887 m
Description: The Throgs Neck Bridge is a suspension bridge located in New York City connecting the Throgs Neck section of the Bronx with the Bay Terrace section of Queens. Cimolai's work consists of replacing the existing deck with a metal one consisting of 592 orthotropic slab panels. The entire structure has a weight of 8,620 t.

NANAY BRIDGE AND VIADUCT
Iquitos - Perù - 2022

Owner: Ministry of Transport and Communications
Designer: Jack Lopez Ingenieros S.a.c.
Gen. Contractor: Cosapi - Mota Engil - Incot - JV
Dimensions: total length 438.5 m - viaduct 1,518 m
Description: The project consists of viaducts and a bridge with a mixed steel and concrete structure. The viaducts, with spans of 6 beams, 0.75 m in height, and 24 m in length, or 4 beams, 1.80 m in height, and 48 m in length, provide access to the Nanay Bridge. All assembly areas are flood-prone during most of the year. The cable-stayed bridge, with two lateral longitudinal beams, crossbeams spaced 10.5 m apart, and a central girder, allows crossing over the Nanay River (a tributary of the Amazon River), facilitating the expansion of the city of Iquitos in the Amazon Rainforest.

Photo by Wilson Lozano

OKAVANGO RIVER BRIDGE
Mohembo - Africa - 2022

Owner: Roads Department Ministry of Transport & Communications

Designers: Andre Oosthuizen Consult, Grassl GmbH Consulting Engineers, SETECO ingegneria srl

Gen. Contractor: Itinera - ***Cimolai SpA*** -JV

Dimensions: total length 1,161 m
shoreline spans: right 605.5 m - left 155.5 m
cable-stayed bridge: 100 m + 200 m + 100 m

Description: the steel deck consists of two main double-T beams 2 m high. A 0.45 m high pin beam is placed in the middle. The cable-stayed bridge is supported by 72 cables anchored to the two main pylons 54 m high and made of steel truncated cone sections of varying diameters and thicknesses that resemble the shape of elephant tusks. The total weight is 4,440 t.

Photo by Itinera

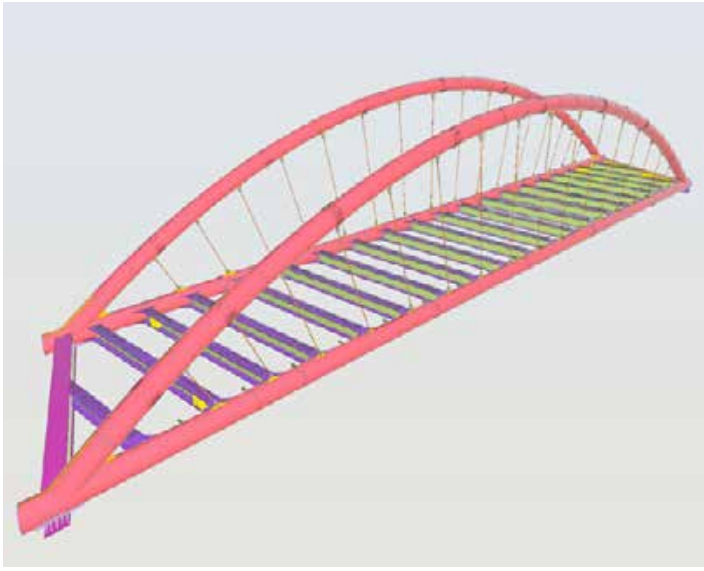
Photo by Itinera

PLEYEL - A86
Paris - France - 2022

Owner:	DRIEAT Ile - de - France
Architect:	Hervé Vadon
Gen. Contractor:	Chantiers Modernes Construction
Dimensions:	total length 186 m width 10.4 m
Description:	the road bridge has a caisson structure made of self-patinating steel weighing 815 t. It was placed by means of a double nose launch, one straight and one in a curve.

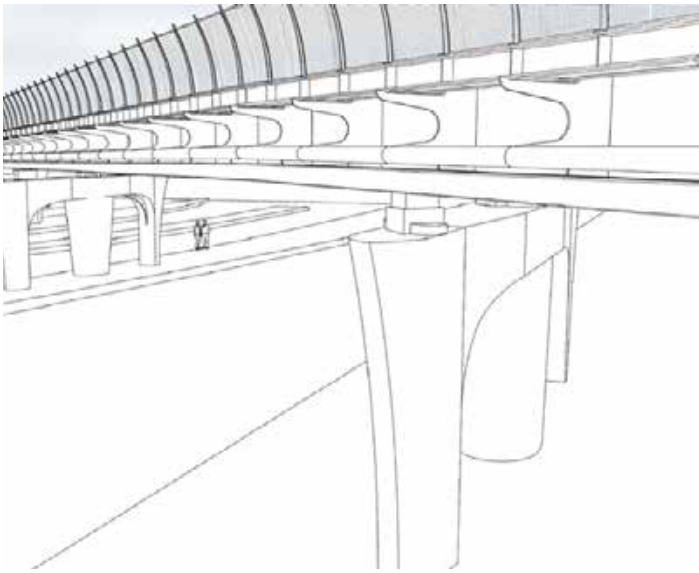
BRIDGE OA7
Valenciennes - France - 2022

Owner: Departmental Council - Department of Northern France
Gen. Contractor: NGE Genie Civil
Dimensions: total length 75.5 m
width 15 m
Description: supply and assembly on foot of single-span arch road bridge between the localities of Saint - Saulve and Raismes in North - East France. The structure of the arch consists of S355 steel pipes with a diameter of 1,168 mm, and that of the tie rod of S460 steel pipes with a diameter of 1,219 mm. The height of the arch is 13 m.



CDG EXPRESS - Zone C - Porte de la Chapelle
Paris - France - 2022

Owner:	SNCF Résau
Gen. Contractor:	Chantiers Modernes Construction
Dimensions:	total length 296 m width 8.6 m
Description:	lower railway bridge with structure in painted steel weighing approx. 2,500 t installed using double nose launch, one straight and one with two curved radii



LA JOYA BRIDGE
Arequipa - Peru - 2023

Owner: Regional Government of Arequipa
Gen. Contractor: Pizzarotti, Eralma, (JV)
Dimensions: total length 371 m
slab width 21 m
Description: supply and erection of the steelwork of a lower arch bridge with a span of 175 m, served by two multi-span access decks with a total length of 63 m and 133 m respectively. The arch, which crosses the deep natural notch of the Chili River valley, consists of two parallel caissons supporting piers placed at 35 m spacing. Total weight 2,500 t.

16 TECH BRIDGE
Indianapolis - USA - 2023

Owner: 16 Tech Comunity Corporation
Gen. Contractor: Harmon Steel Inc
Dimensions: total length 207 m
Description: the design features four 'fan' arches connected to the deck by flat, square-section profiles, replacing the cables that are usually used in a traditional suspension bridge. The structure of the arches lowers towards the centre while the deck extrudes outwards, providing a cantilevered vantage point suspended over the water. The bridge is divided in such a way that pedestrians and cyclists can enjoy protected paths separate from vehicular traffic. The total weight will be 350 t.

N69 RIVER FEALE BRIDGE
Kerry - Republic of Ireland - 2023

Owner: Tourism and Sport (Republic of Ireland), Department of Tranport
Gen. Contractor: Wills Bros Ltd
Description: production and assembly of a bridge over the River Feale in the Republic of Ireland. The project involves the construction of approximately 7 km of dual carriageway, allowing the N69 to avoid the city centre. The bridge, weighing approximately 860 t, consists of 6 beams coupled two by two with a variable height of up to 4.35 m. The structure components will be painted and shipped by ship from Cimolai's workshops and unloaded at the port of Foynes. Assembly will be carried out by a mobile crane with a capacity of 650 t.

CYCLIST FOOTBRIDGE PC8

Esch-sur-Alzette - Grand Duchy of Luxembourg - 2023

Owner:	Ministère de la Mobilité et des Travaux Publics - Administration des ponts et chaussées
Gen. Contractor:	Félix Giorgetti S.A.R.L., ***Cimolai SpA***, (JV)
Dimensions:	total length 1,700 m total width 5 m
Description:	supply and installation of 2,100 t of metal structures steel structures for the cycle-pedestrian walkway pedestrian walkway that will connect the neighbourhoods Esch Belval and Esch-sur-Alzette. It will stand on a land bordering a steel mill and for a section of approximately 320 m is suspended above the adjacent railway line. The assembly started from the central area and advanced simultaneously towards the two end abutments.

LINE 17 PARIS METRO
Paris - France - 2023

Owner: Societe Grand Paris (SGP)
Gen. Contractor: NGE GC (leader), ***Cimolai SpA***, NGE Fondations, Guintoli, Cardinale Edifice, (JV)
Dimensions: 5.2 km route, of which 3.4 km are developedon viaducts with steel construction
Description: executive design, fabrication, transport and erection of the metal structures of the viaducts and the new modern station at the Parque des Expositions. Approximately 23,000 t of steel are expected to be used.

Image of Dietmar Feichtinger Architects

ANNE DE BRETAGNE BRIDGE
Nantes - France - 2023

Owner: NANTES METROPOLE

Gen. Contractor: Gtm Ouest, Dodin Campenon Bernard, *Cimolai SpA*, Dietmar Feichtinger Architectes, Paume, Sce e Schlaich Bergermann Partner

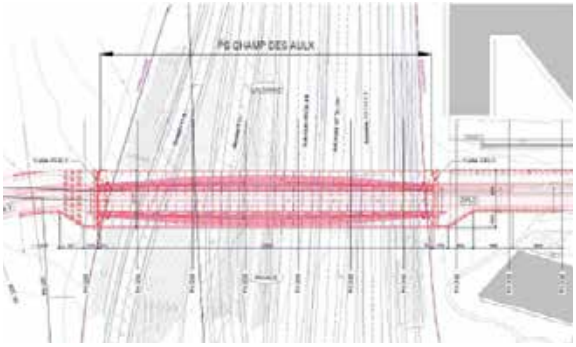
Description: the work is part of the project called Loire au coeur (Loire in the Heart), which envisages the construction of a "piazza bridge", equipped with a garden and belvedere. Flanking and integrating with the existing one, the new metal deck will have a length of approximately 140 m and a width of up to 40 m for a total weight of approximately 2,150 t of painted steel. The bridge will be transported and positioned by barge along the river.


Image of Dietmar Feichtinger Architects


Image of Dietmar Feichtinger Architects

PERLY BRIDGE
Geneva - Switzerland - 2023

Owner: DETA - Des Transports et de l'Agricolture, département de l'Environnement
Gen. Contractor: DI - Office Cantonal du Génie Civil
Dimensions: total width 21.10 m
Description: construction of an S355/460 steel "Bowstring" arch bridge with a span of 125 m for the extension of tramline 15.



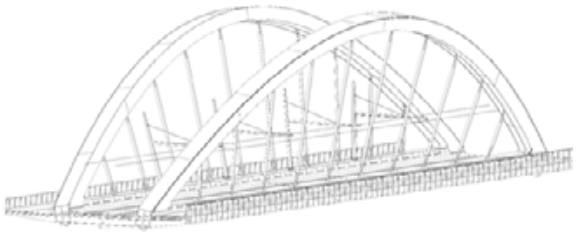


Image of Strata Architecture

S.S. 106 JONICA

From the merging with the S.S. 534 to Roseto Capo Spulico - Italy - 2023

Owner: ANAS S.p.A.
Gen. Contractor: SIRJO S.C.p.A.
Description: supply and laying of 27 metal decks for the construction of the 3rd mega-lot of the S.S.106 Jonica, from the junction with the S.S. 534 to Roseto Capo Spulico. The steel used is S355 and painted S460, for a total weight of about 50,000 t, with metal deck slabs, pier caps and steel support beams. The project consists of 20 viaducts/overpasses with double T beams and 7 orthotropic plate viaducts. The latter are launched from the top using a launching nose and the rest from below using a crane truck.

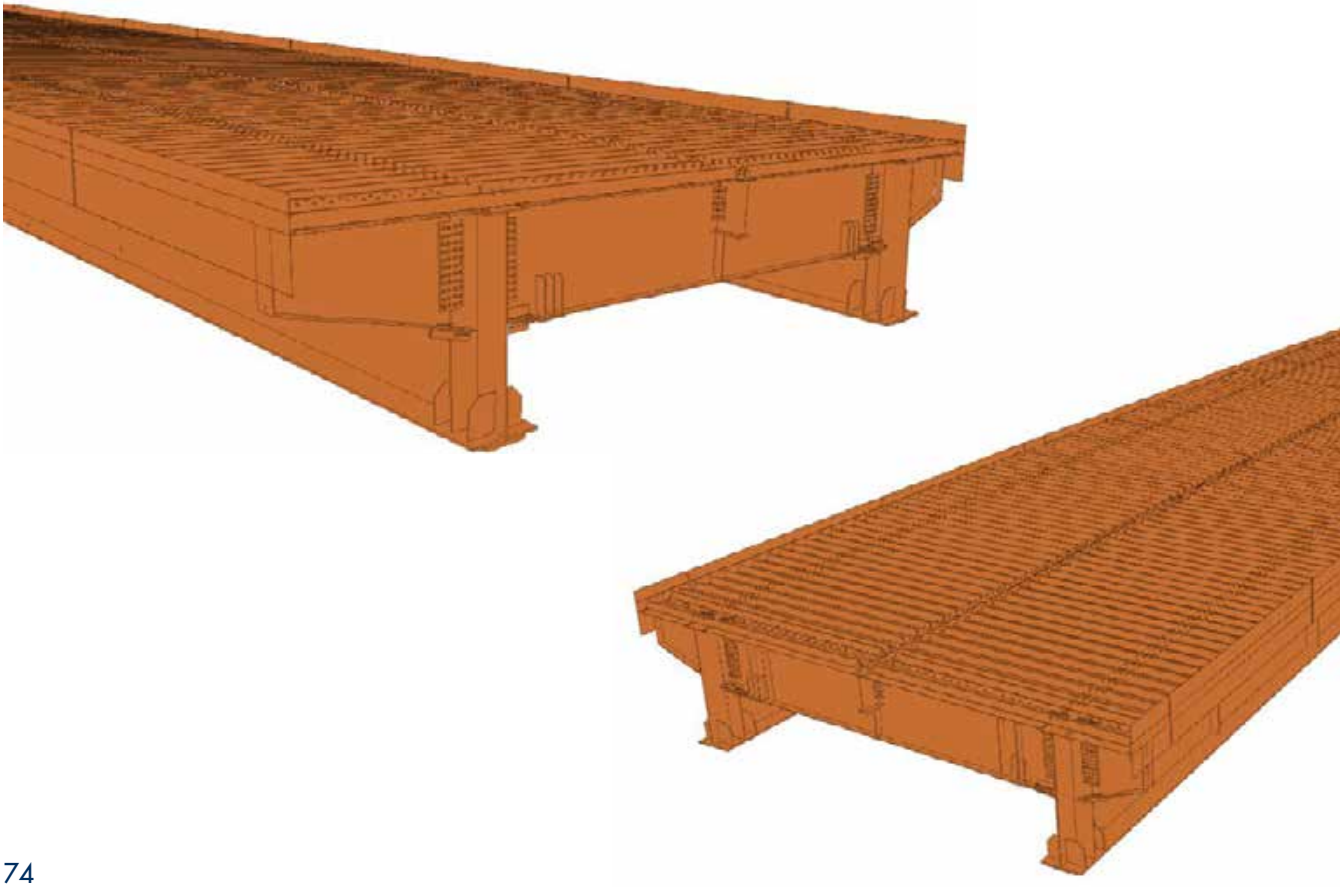
GROSSETO VIADUCTS - FANO

Road Grosseto - Siena, S.S. n223 - Italy - 2023

Owner: ANAS S.p.A

Gen. Contractor: Lanzo S.c.a r.l. (A.T.I. Itinera - Monaco S.p.A.)

Description: Cimolai was awarded the contract for the supply and installation of the metal carpentry structures for viaducts VI01, VI02, VI03, VI04, VI05, VI06, VI07, and VI08, which are part of the expansion to 4 lanes in the Grosseto-Siena section (S.S. no. 223 'di Paganico') from km 27+200 to km 30+038. The decks in question, in S355 corten steel, are a mixed steel-concrete structure; the main structures are composed of two main beams, with a double-T section, 2.7 m high. The revised total weight of the metal structures is 8,100 t.



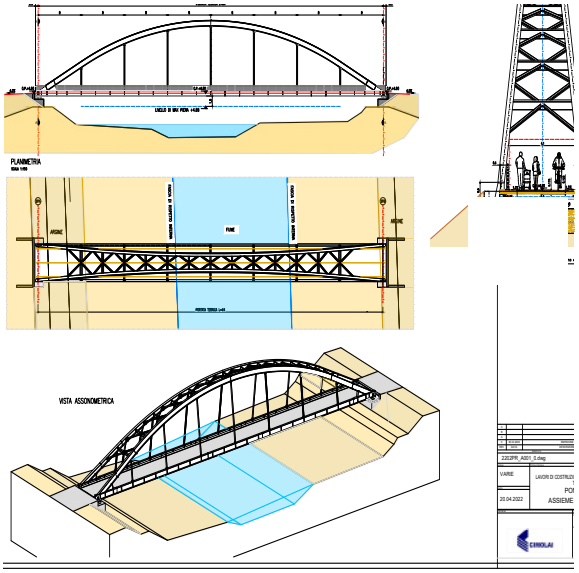
BRIDGE OVER THE CHIUSELLA

Highway A5 KM 36+487 - 36+779 - Italy - 2023

Owner:	A.T.I.V.A. S.p.A.
Gen. Contractor:	CO.GE.FA. S.p.A - *Cimolai SpA* (A.T.I.)
Dimensions:	length 292 m
Description:	provide for the construction design, supply and installation of metal decks and secondary structures for the reconstruction of the bridge over the Chiusella stream. For a total weight of the metalwork of about 2,500 t. The bridge is divided into 6 spans of about 50 m that are pre-assembled by bolting and welding activities in the adjacent construction site areas and then lifted in place by means of two 400 t capacity cranes.

CYCLE/FOOTBRIDGE OVER THE SATANASSO
Villapiana - Italy - 2023

Owner: Municipality of Villapiana
Gen. Contractor: E.L.P. Srl
Dimensions: length 64.5 m
width 5.3 m
Description: executive design and supply of the steelwork for a lower arch cycle-pedestrian footbridge, weighing approximately 90 tonnes, connecting Villapiana Lido and Villapiana Scalo across the Satanasso stream. The lower deck in corten steel S355W is supported above the arch by means of supports, both made of open profiles in painted steel S355.

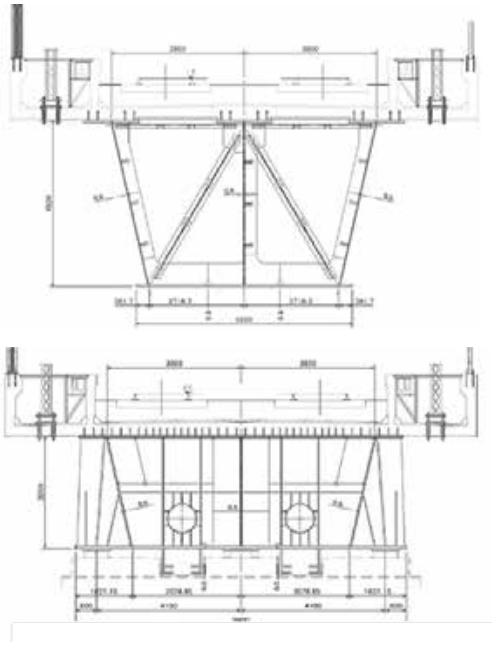


RAILWAY OVERPASS
Vinkovci - Croatia - 2023

Owner: City of Vinkovci
Gen. Contractor: Poduzeće za ceste d.o.o.
Dimensions: total length 210 m
Description: the infrastructure completes the last section of the new expressway to the city centre by bypassing the existing railway network. The scope of work involves the construction and erection of a 780-tonne steelwork bridge divided into six spans of varying lengths (25m/30m/50m/30m/25m).
The deck consists of open-section beams and orthotropic slab brackets for the platforms. Four box girder arches bearing the two central bays and their supports complete the structure.

BRIDGE OVER THE MINCIO
Peschiera del Garda - Italy - 2023

Owner: Rete Ferroviaria Italiana RFI SpA
Gen. Contractor: Cepav Due
Dimensions: 3 bays with a total length of 172 m
maximum width 9.4 m
Description: the new railway bridge over the river Mincio, weighing approximately 1,350 t, will be built on the High Speed line of the Milan-Verona section, adjacent to the existing A4 motorway at Peschiera del Garda (VR). ***Cimolai SpA*** will be responsible for the supply and installation of three single-support decks, with spans of 50, 72 and 50 m respectively, in painted S355 steel, forming the bridge in question.



FOSSANO BYPASS VIADUCTS

Road S.S.231 "di Santa Vittoria" - Italy - 2023

Owner: ANAS S.p.A.
Gen. Contractor: CO.GE.FA. S.p.A.
Dimensions: 26 spans, total length 780 m; deck width 10.35 m
Description: supply of the metal structures of the new painted corten steel decks as part of the structural rehabilitation and extraordinary maintenance works of the Fossano bypass in Piedmont. The viaducts covered by the first part of the supply are divided into 5 lots. The structures of the decks in question, made of painted S355 corten steel, consist of main beams and diaphragms having double-T sections in welded composition.

PONT LIGNE T9

Lyon - France - 2023

Owner: SYTRAL
Gen. Contractor: *Cimolai Spa* - Demathieu et Bard - Perrier
Architect: Lavigne Cheron
Dimensions: Width: 16.5 m, overall length: 134 m
Description: design, supply and installation of a caisson bridge of uniform sections, curved in layout. The caisson is 16.5 m wide and has 3 spans with a total length of about 134 m (in bridge axis). The section varies in height from about 800 mm to a maximum of 2100 mm. The bottom of the caisson is curved. Two bicycle-pedestrian access ramps complete the work, which are supported by No. 14 tubular-section columns. All structures will be made of S355 steel and externally painted.

JFK TERMINAL 1
New York - USA - 2023

Owner: Port Authority of N.Y. and N.J. /AECOM/Tishman
Gen. Contractor: Posillico Bove El-Sol Tri Venture
Description: Supply and shipment of the two access ramps to Terminal 1 at New York JFK Airport named R12A and R12B and a set of bridge diaphragms named R12 with a total weight of 1,260 t.Manufacturing is scheduled to begin in July 2023 and is expected to be completed by March 2024.The Roveredo in Piano and San Giorgio di Nogaro plants will be involved in all manufacturing processes. Preassembly of 100 percent of the R12A and R12B sections is planned at the San Giorgio di Nogaro plant.

JFK T6 BRIDGE RENOVATION
New York - USA - 2023

Owner: Port Authority of N.Y. and N.J. /Aecom/Tishman
Gen. Contractor: Hunt Construction Group INC. Dba AECOM HUNT
Dimensions: 4 Viaducts with total weight 3675 t.
Description: Hook-Hook supply at port in New Jersey of metal deck structures for the new T6 terminal. The work involves the construction of 4 viaducts, R11, R11A, R11B and R11C, with a total of 204 welded beams and 11 pier caps (pile head boxes). The R11 and R11A viaducts have some curved sections. The structures should be painted with a 3-coat cycle.

STADIUMS & ARENAS

12
COUNTRIES

OVER
1 MILLION
SEATING CAPACITY

STADIUMS & ARENAS
Major Projects

Olympic stadium **1989**
Rome - Italy - 72,700 seating capacity

Nereo Rocco stadium **1992**
Trieste - Italy - 32,450 seating capacity

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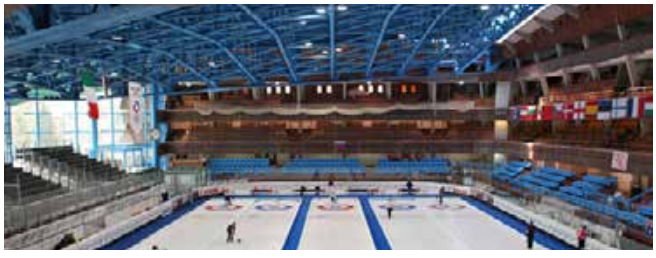
Millennium stadium **1999**
Cardiff - UK - 74,500 seating capacity

Palais Nikaia **2000**
Nice - France - 6,000 seating capacity



Olympic Ice stadium **2003**
Cortina - Italy - 2,500 seating capacity

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Olympic stadium **2004**
Athens - Greece - 71,000 seating capacity

Olympic stadium **2005**
Turin - Italy - 27,960 seating capacity

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Oval arena **2005**
Turin - Italy - 8,500 seating capacity

STADIUMS & ARENAS
Major Projects

Zenith concert center **2007**
Strasbourg - France - 12,000 seating capacity

A. Delaune stadium **2008**
Reims - France - 21,600 seating capacity

City of Sport **2009**
Rome - Italy - 15,000 seating capacity

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FNB stadium **2009**
Johannesburg - South Africa - 94,000 seating capacity

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Aviva stadium **2010**
Dublin - Ireland - 51,700 seating capacity

MMArena **2010**
Le Mans - France - 40,000 seating capacity

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National stadium **2011**
Warsaw - Poland - 55,000 seating capacity

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National stadium **2013**
Brasilia - Brazil - 71,000 seating capacity

STADIUMS & ARENAS
Major Projects

Friuli (Dacia Arena) stadium **2015**
Udine - Italy - 35,000 seating capacity

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VTB arena **2018**
Moscow - Russia - 42,000 seating capacity

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Louis Armstrong stadium **2018**
New York - USA - 14,000 seating capacity

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New Luxembourg stadium **2019**
Grand Duchy of Luxembourg - 9,500 seating capacity

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Al Bayt stadium **2020**
Al Khor - Qatar - 65,000 seating capacity

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Philippe Chatrier Stadium **2020**
Paris - France - 15,000 seating capacity

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AEK stadium **2020**
Athens - Greece - 30,500 seating capacity

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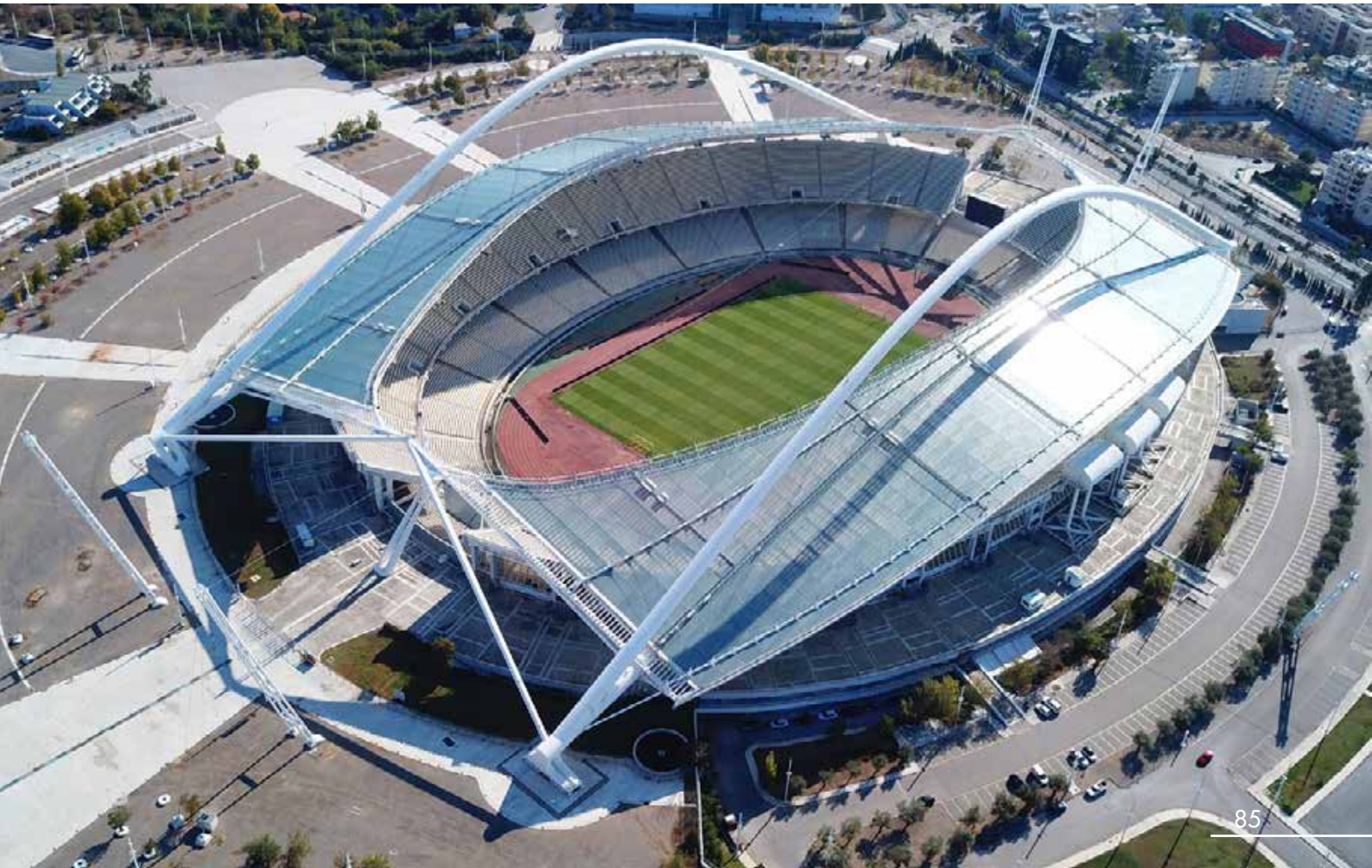
Las Vegas Raiders stadium **2020**
Las Vegas - USA - 65,000 seating capacity

MILLENNIUM STADIUM
Cardiff - UK - 1999

Owner: Municipality of Cardiff
Architect: HOK + LOBB Partnership
Gen. Contractor: John Laing Construction Ltd
Capacity: 74,500 seats
Description: structural framing for stands, fixed roof over stands and retractable roof over pitch; essentially composed of main primary trusses supporting secondary and tertiary trusses. All trusses were fabricated from hot & cold rolled tubular sections.

OLYMPIC STADIUM
Athenes - Greece - 2004

Owner:	EYDE/A.O.E.E.- General Secretariat of Sports for the Greek Ministry of Culture
Architect:	Santiago Calatrava
Gen. Contractor:	Aktor - Athena - Themeliodomi - JV
Capacity:	71,000 seats
Description:	tubular double arch spanning approximately 300 m and supporting the roof structure (shaped plate girders, including main & secondary cable stays). The roof was constructed outside the stadium before being slid over the stands.



OVAL ARENA
Turin - Italy - 2005

Owner:	City of Turin
Architect:	Studio Zoppini Associati HOK Sport Ltd
Gen. Contractor:	*Cimolai SpA*
Capacity:	8,500 seats
Description:	integrated contract for the design and execution of works related to the main structure (including civil works of foundation), the roof and the Southern, Eastern and Northern facades. 220 m long by 120 m wide arena - roof and facade structures involving primary and secondary trusses (hot & cold rolled tubular sections).

FNB STADIUM
Johannesburg - South Africa - 2009

Owner: Johannesburg City Council
Architect: Boogertman Urban Edge and Partners
Gen. Contractor: Grinaker - LTA - Interbeton - JV
Capacity: 94,000 seats
Description: the roof structure is composed of a triangular spatial truss fabricated from tubular sections; 40 m long cantilever trusses spanning from the spatial truss, spaced at approximately 13 m, using fabricated "double-T" beams.

AVIVA STADIUM
Dublin - Ireland - 2010

Owner: Lansdowne Road Development Company
Architect: Populous
Gen. Contractor: J. SISK & SON Ltd
Capacity: 51,700 seats
Description: structural framing for the roof over stands essentially composed of a "horseshoe" shaped primary truss supported by secondary and tertiary trusses from a perimeter edge truss bearing onto the reinforced concrete bowl. All trusses were fabricated from hot & cold rolled tubular sections.

NATIONAL STADIUM
Warsaw - Poland - 2011

Owner:	Narodowe Centrum Sportu Sp. z o.o.
Architect:	Gerkan - Marg & Partners (GMP)
Gen. Contractor:	Alpine - Hydrobudowa - JV
Capacity:	55,000 seats
Description:	structural steel framing supporting a network of radial cables & tension cables which in turn support a retractable membrane roof.

NATIONAL STADIUM
Brasilia - Brazil - 2013

Owner:	TERRACAP
Architect:	Eduardo Castro Mello
Gen. Contractor:	Entap Engenharia e Construções
Capacity:	71,000 seats
Description:	the basic geometry of the roof consists of a perfect circle with 48 high-tension radial axis cables which function like the spokes of a bicycle wheel between the outer compression ring in concrete and the inner ring in cables.

VTB ARENA

Moscow - Russian Federation - 2018

Owner: VTB Bank
Architect: Erick van Egeraat
Gen. Contractor: Codest International Srl
Capacity: 27,000 + 15,000 seats
Description: the structure has an oval form with maximum dimensions of 285 m x 165 m; the height of the structure is 55 m. This is a combination of two venues, the Arena and the Stadium, which are covered by a single shell. The Stadium is formed by a series of steel radial girders supported by reinforced concrete columns.

LOUIS ARMSTRONG STADIUM
Flushing Meadows Park - New York - USA - 2018

Owner: USTA National Tennis Center Incorporated
Architect: Matthew L. Rossetti
Gen. Contractor: Hunt Construction Group
Capacity: 14,000 seats
Description: the Louis Armstrong Stadium, in the USTA Billie Jean King National Tennis Center, is composed of two major elements: the fixed building (about 90 m x 100 m) and the retractable roof which sits above the steel superstructure (at a height of 30 m) at a total weight of approx. 3,000 t, including its built-up sections and commercial profiles.

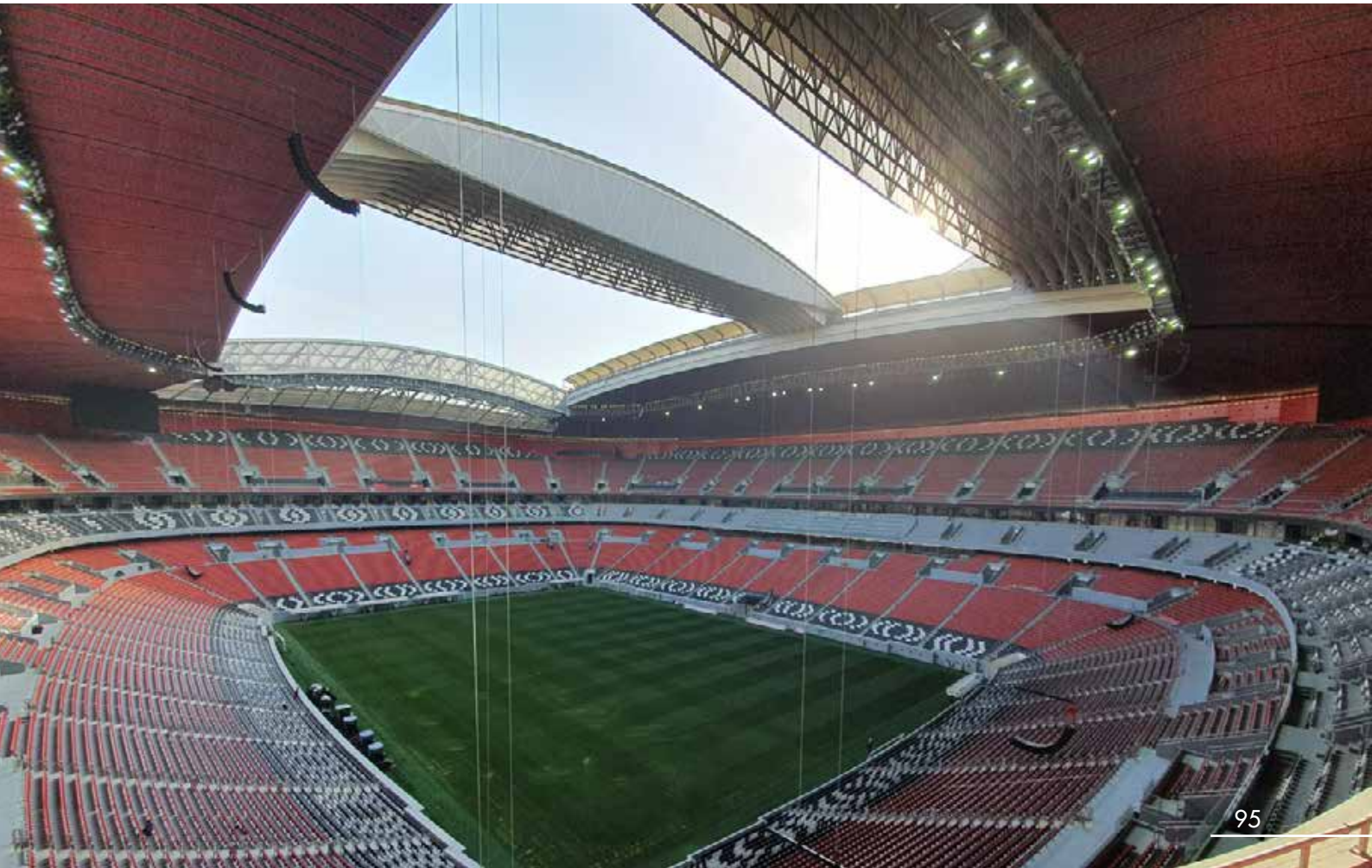
NEW LUXEMBOURG STADIUM

Luxembourg - Grand Duchy of Luxembourg - 2019

Owner:	Ville de Luxembourg
Architect:	Gerkan Marg+Partner - BENG architects
Gen. Contractor:	Felix Giorgetti SARL - CDCL S.A. *Cimolai SpA* - JV
Capacity:	9,500 seats
Description:	the construction of the national football/rugby stadium started in August 2017 and ended in October 2019. The stadium's support system is based on a rectangular grid of 165 m x 135 m with a uniform spacing of 7.5 m. The vertical supports are 15 m in height with cantilevered beams of 22 m.

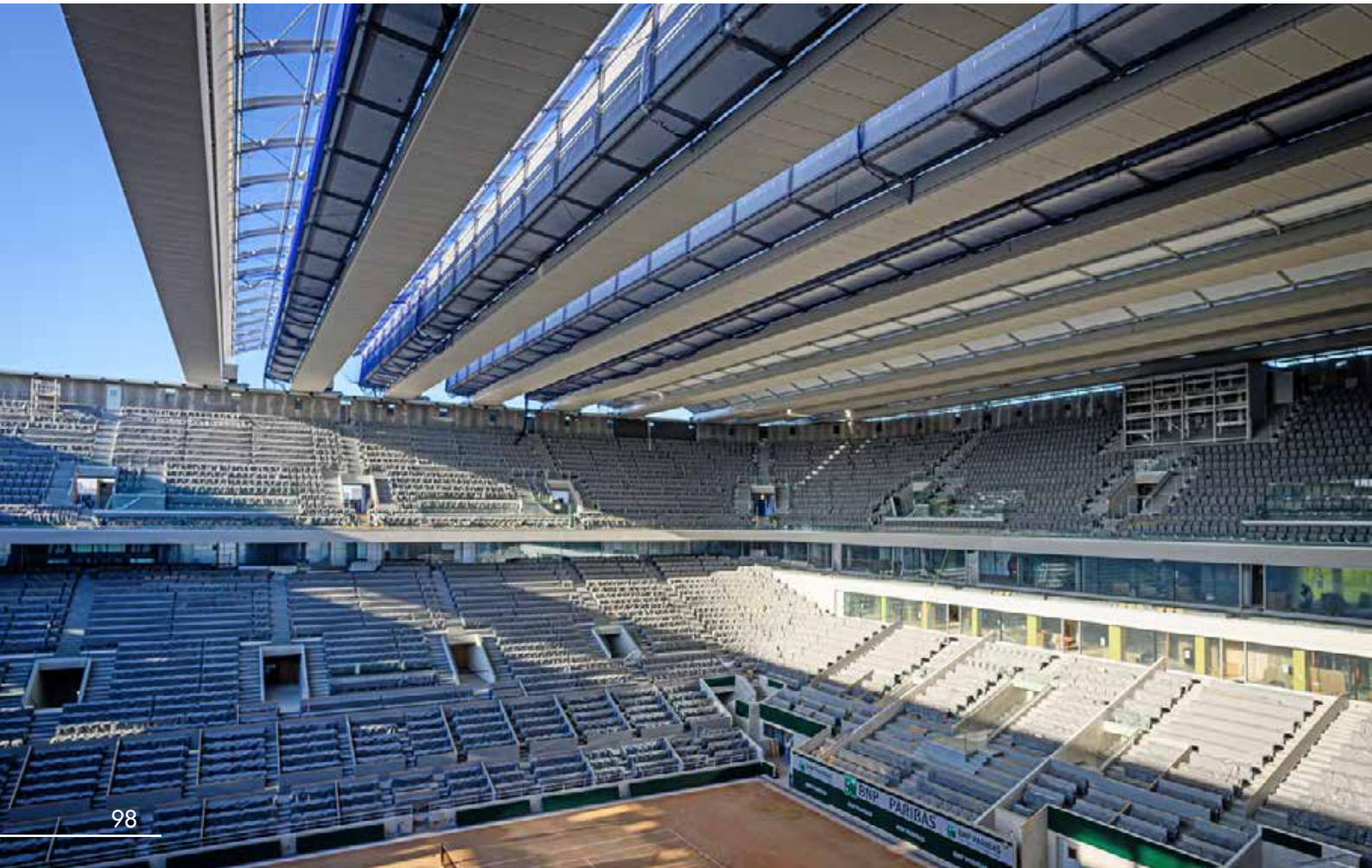
AL BAYT STADIUM
Al Khor - Qatar - 2020

Owner: Aspire Zone Foundation
Architect: Albert Speer
Gen. Contractor: Galfar Al Misnad - Salini Impregilo *Cimolai SpA* - JV
Capacity: 65,000 seats
Description: Cimolai is a subcontractor for the supply and assembly of the upper steps, the steel structure of the roof and the membranes. The roof is retractable, designed by Cimolai, and has dimensions equal to 100 m x 160 m with a total opening time of 20 minutes. The structure is 320 m long, 280 m wide and 73 m high.



PHILIPPE CHATRIER STADIUM
Paris - France - 2020

Owner:	FFT (Féderation Francaise de Tennis)
Architect:	Cabinet ACD - Girardet
Gen. Contractor:	VINCI Construction - *Cimolai SpA* - JV
Capacity:	15,000 seats
Description:	the project consists of the renovation of the 'Philippe Chatrier' stadium and the reconstruction of the stands and the installation of a mobile steel roof. The roof will consist of 11 high-strength steel box beams, one of which will be 'fixed' and the other 'mobile'. Each of the beams will have a height of approximately 3 m and a span of more than 100 m. Total weight of about 7,200 t.



AEK STADIUM
Athens - Greece - 2020

Owner: Amateur AEK
Architect: Athanassios Kyratsous
Gen. Contractor: Dimand - Ermonassa S.A. - JV
Capacity: 30,500 seats
Description: four main lattice girders hanging from the corner concrete pillars support the radial secondary beams of varying heights on which the roof made of PVC panels is connected.
The structure has dimensions of 180 m x 133 m with a height of 27 m from the ground.

LAS VEGAS RAIDERS STADIUM
Las Vegas - USA - 2020

Owner: Las Vegas Stadium Authority
Architect: MANICA Architecture - HNTB
Gen. Contractor: Vector Foiltec
Capacity: 65,000 seats
Description: assistance in the detailed design and construction of the secondary structure, to which the ETFE roof is connected.
The secondary structure, supported by a network of orthogonal cables connected to the perimeter, consists of pipes connected by hinged nodes.

BUILDINGS

13
COUNTRIES

OVER
1 MILLION
TONS OF STEEL

BUILDINGS
Major Projects

Airport maintenance hangar **2001**
Athens - Greece - 24,000 m² covered area

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Airbus assembly hangar **2003**
Toulouse - France - 29,250 m² covered area

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Paul Klee center **2003**
Bern - Switzerland - 12,000 m² covered area

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Sport City tower **2006**
Doha - Qatar - 300 m height

Leutschenbach school **2007**
Zurich - Switzerland - 11,500 m² covered area

Airport maintenance hangar **2008**
Roissy en France - France - 10,000 m² covered area

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Airport maintenance hangar **2010**
Doha - Qatar - 130,000 m² covered area

Tiburtina railway station **2011**
Rome - Italy - 50,000 m² covered area

BUILDINGS
Major Projects

Estela de Luz **2011**
Mexico city - Mexico - 110 m height

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Mediopadana railway station **2013**
Reggio Emilia - Italy - 28,000 m² covered area

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Auditorium Rhike Park **2013**
Tbilisi - Georgia - 600 seating capacity

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Intesa San Paolo tower **2014**
Turin - Italy - 175 m height

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The Floyd project headquarters JTI **2014**
Geneva - Switzerland - 9,825 m² covered area

Stavros Niarchos cultural center **2015**
Athens - Greece - 100 m x 100 m canopy size

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New safe confinement **2015**
Chernobyl - Ukraine - 257 x 150 x 109 m dimension

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WTC New transportation hub **2015**
New York - USA - 3,000 m² covered area

BUILDINGS
Major Projects

ADNOC Headquarters **2015**
Abu Dhabi - UAE - 330 m height

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Fiumicino terminal **2016**
Rome - Italy - 130,000 m² covered area

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Bologna Exhibition Center expansion **2018**
Bologna - Italy - 21,850 m² covered area

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Reconstruction of the OMC factory **2018**
Vicenza - Italy - 140,000 m² covered area

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Hudson Yards - Tower A - Tower E **2018**
New York - USA - 395 m height

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Lakhta Tower **2018**
St. Petersburg - Russia - 462 m height

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Pavilion 37 - Bologna Exhibition Center **2020**
Bologna - Italy - 184 m lenght

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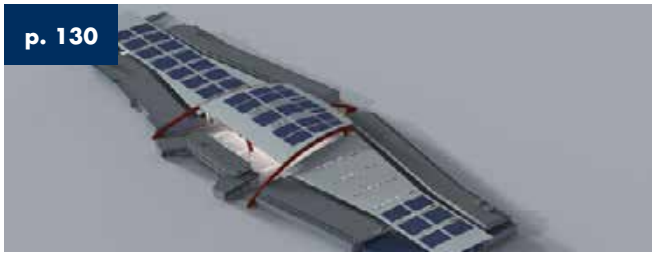
Hudson Yards - The Shed **2019**
New York - USA - 1,665 m² + 1,628 m² Covered Area

BUILDINGS
Major Projects



Fruit and vegetable market **2020**
Treviso - Italy - 6,500 m² covered area

Soundport Project **2020**
Copenhagen - Denmark - 39,000 m² covered area

Exo Building **2020**
Dublin - Ireland - 16,000 m² covered area

Ilva Iron Ore and Coal Yards **2021**
Taranto - Italy - 355,600 m² covered area

EHL Hospitality Management School **2021**
Losanna - Switzerland - 2,500 m² covered area

Courthouse Spar **2022**
Toronto - Canada - total lenght 89 m

Capannone Duferco **2022**
Brescia - Italy - 45.000 m² covered area

Perelman Performing Arts Center **2022**
New York - USA - 2,500 m² covered area

BUILDINGS
Major Projects

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Cern New Gateway **2023**
Genevra - Switzerland - 2.060 m² glass facades

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Tel-Aviv University Research Center **2023**
Tel Aviv - Israel - 24 m height

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New Control Room - Cern **2023**
Cessy - France - 7,000 m² covered area

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One Roof **2023**
Geneva - Switzerland - 1.800 metal columns

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Rolex Onyx **2023**
Genevra - Switzerland - 34 m height

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VDN - Nogaro Glassworks **2023**
San Giorgio di Nogaro - Italy - 60.000 m² covered area

BUILDINGS
Major Projects

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PRF Shed Extension **2023**
Viareggio - Italy - 1.225 m² covered area

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Borgo Roma Hospital **2023**
Verona - Italy - 44 m height

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Pilots Tower **2023**
Genova - Italy - 65 m height

BUILDINGS
Major Projects

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Sesto San Giovanni Station **2023**
Sesto San Giovanni - Italy - Extension Panels 110 m x 28 m

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Mose Masking **2023**
Venice - Italy - 4 independent facilities

AIRBUS ASSEMBLY HANGAR
Toulouse - France - 2003

Owner: Airbus Industries
Gen. Contractor: *Cimolai SpA* - GTM Construction - JV
Covered Area: 29,250 m²
Description: steel framing for an aircraft assembly hangar consisting of primary and secondary trusses fabricated from hot rolled sections & steel plate girders (100 m span, 200 m depth).

PAUL KLEE CENTER
Bern - Switzerland - 2003

Owner:	Paul Klee Fondation
Architect:	Renzo Piano
Designer:	OVE & Arup
Gen. Contractor:	*Zwahlen & Mayr*
Dimensions:	70 m x 70 m
Description:	the concept of this museum's design, was to have the sculpture rise naturally from the landscape. It is made up of a sequence of structural curvilinear steel elements arranged in parallel: the sum of these elements constitutes the roof of the museum on which cultivable land can be placed.

SPORT CITY TOWER
Doha - Qatar - 2006

Owner: Aspire Zone
Architect: Hadi Simaan
Gen. Contractor: Midmac - Six Construct - JV
Description: 300 m high tower building consisting of steel deck framing and an upper petal-shaped steel structure. The final form consists of a 1-1.8 m thick, reinforced-concrete cylinder (the core), varying from 12 m to 18 m in diameter, encircled with radiating networks of cantilevered steel beams on each floor of its building modules. The bottom of each module is covered with glass fibre reinforced concrete.

AIRPORT MAINTENANCE HANGAR
Doha - Qatar - 2010

Owner: NDIA New Doha International Airport
Aktor - Cybarco - Al Darwish

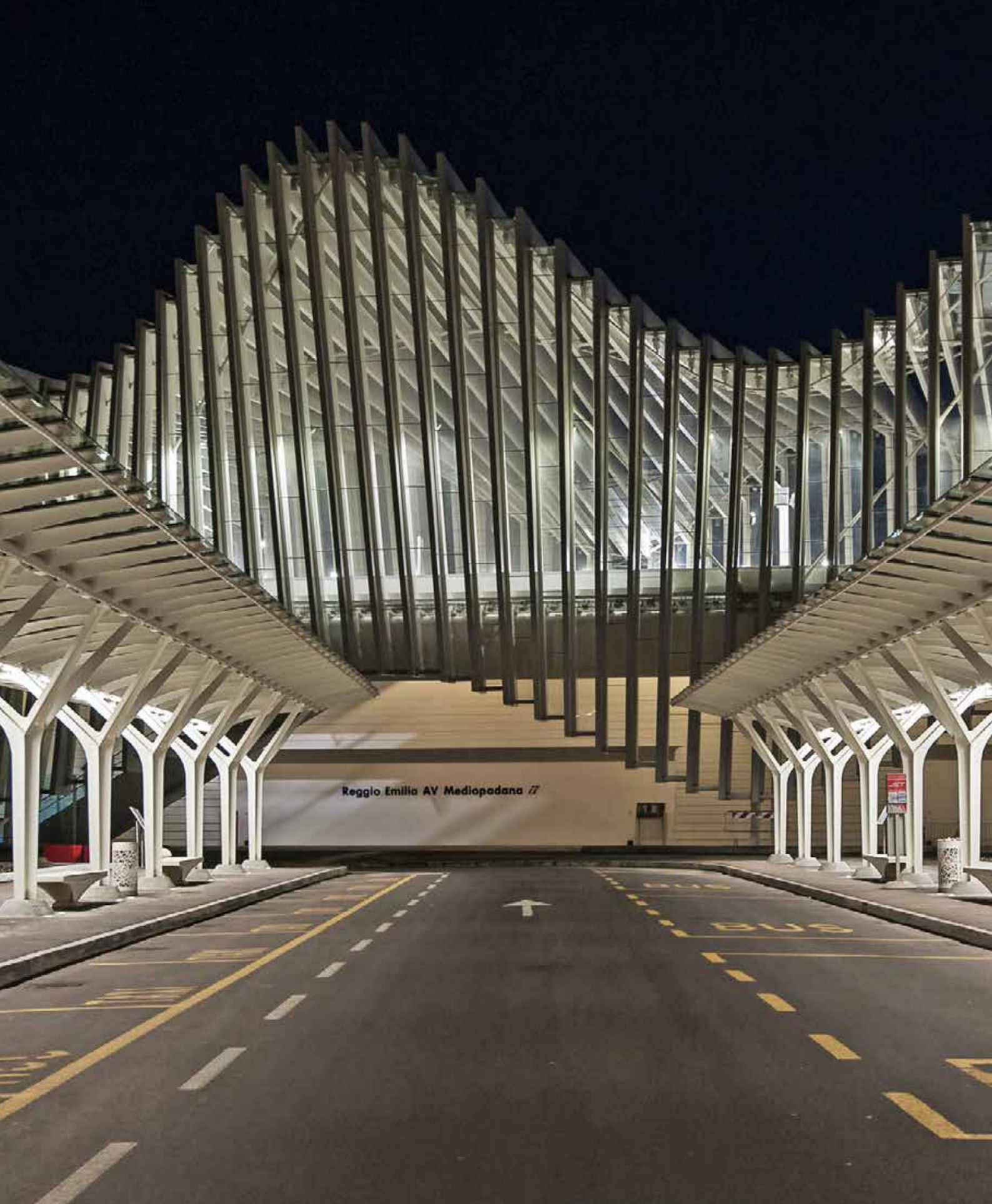
Gen. Contractor: *Cimolai SpA* - JV

Covered Area: 130,000 m²

Description: steel framing for the "CP26" maintenance hangar consisting of primary and secondary trusses fabricated from hot rolled sections and plate girders (overall 280 m + 220 m spans with a 110 m depth).

MEDIOPADANA RAILWAY STATION
Reggio Emilia - Italy - 2013

Owner: Rete Ferroviaria Italiana
Architect: Santiago Calatrava
Gen. Contractor: *Cimolai SpA*
Covered Area: 28,000 m²
Description: the main feature of the new station is the cover, made up of steel portals covering about 500 m of the pre-existing "Mancasale" viaduct.
The repetition of the modules with 25 portals each, generates different wave-shaped visuals from each side of the station.


Reggio Emilia AV Mediopadana
BUS

AUDITORIUM RHIKE PARK
Tbilisi - Georgia - 2013

Owner:	NCC Construction Company
Architect:	Massimiliano Fuksas
Gen. Contractor:	*Cimolai SpA* - Permasteelisa SpA - JV
Dimensions:	2,000 m²
Description:	the building consists of two different elements, The Music Theatre and the Exhibition Hall, that are connected at the retaining wall as one, integral body. Each building is composed of steel floors and a steel roof having a double curvature shape.

INTESA SAN PAOLO TOWER
Turin - Italy - 2014

Owner: Banca Intesa San Paolo
Architect: Renzo Piano
Gen. Contractor: Torre S.c.ar.l
Description: the supply, delivery and erection of the steelwork for the six steel mega columns with a total weight of 4,500 t, built to a height of 175 m. These columns possess a cross-section characterized by two curved shells which taper in height and enclose a core of steel and concrete.

THE FLOYD PROJECT HEADQUARTERS JTI
Geneva - Switzerland - 2014

Owner:	Japan Tobacco International
Architect:	Skidmore, Owings & Merril Inc. (SOM)
Designer:	Consortium Ingeni & SOM
Gen. Contractor:	*Zwahlen & Mayr*
Covered Area:	9,825 m²
Description:	the design, which ranks among the most sustainable buildings in Europe, consolidates four existing JTI premises within a single landmark building and demonstrates commitment to the search for integrated design, sustainability and innovation solutions for the workplace..

NEW SAFE CONFINEMENT
Chernobyl - Ukraine - 2015

Owner: Chernobyl Nuclear Power Plant (ChNPP)
Gen. Contractor: Novarka (JV Bouygues-Vinci)
Covered Area: 38,550 m^2
Description: the NSC is the creation of a huge metal archway with 109 m height, 257 m width and 150 m length, formed by 16 arches which were raised in six main phases. Once complete, the entire structure was carefully positioned about 300 m above the old reactor by using special slides.

WTC NEW TRANSPORTATION HUB
New York - USA - 2015

Owner: Port Authority of New York & New Jersey
Architect: Santiago Calatrava
Gen. Contractor: Skanska Koch Inc.
Covered Area: 3,000 m^2
Description: this structure, called "Oculus", is composed of steel elements and is approximately 50 m high from street level. Inside there is a central room, 110 m long and 35 m wide, entirely covered with metal and glass. The production lasted 2 years and the pieces were transported from the Cimolai workshops to the port of New York by ship.

NEW FIUMICINO TERMINAL
Rome - Italy - 2016

Owner: Aeroporti di Roma SpA
Architect: ADR Engineering
Gen. Contractor: *Cimolai SpA*
Covered Area: 130,000 m²
Description: the design and construction of a new terminal building including all civil, mechanical, electrical and steel work. The contract involved the installation of approx. 92,000 m³ of concrete, 23,000 t of steel, 81,000 m² of floors, 50,000 m² of ceilings and partition walls, 40,000 m² of cladding, 32,000 m² of roofing, hundreds of km of cables, thousands of lights, as well as a complete baggage handling system.

BOLOGNA EXHIBITION CENTER EXPANSION
Bologna - Italy - 2018

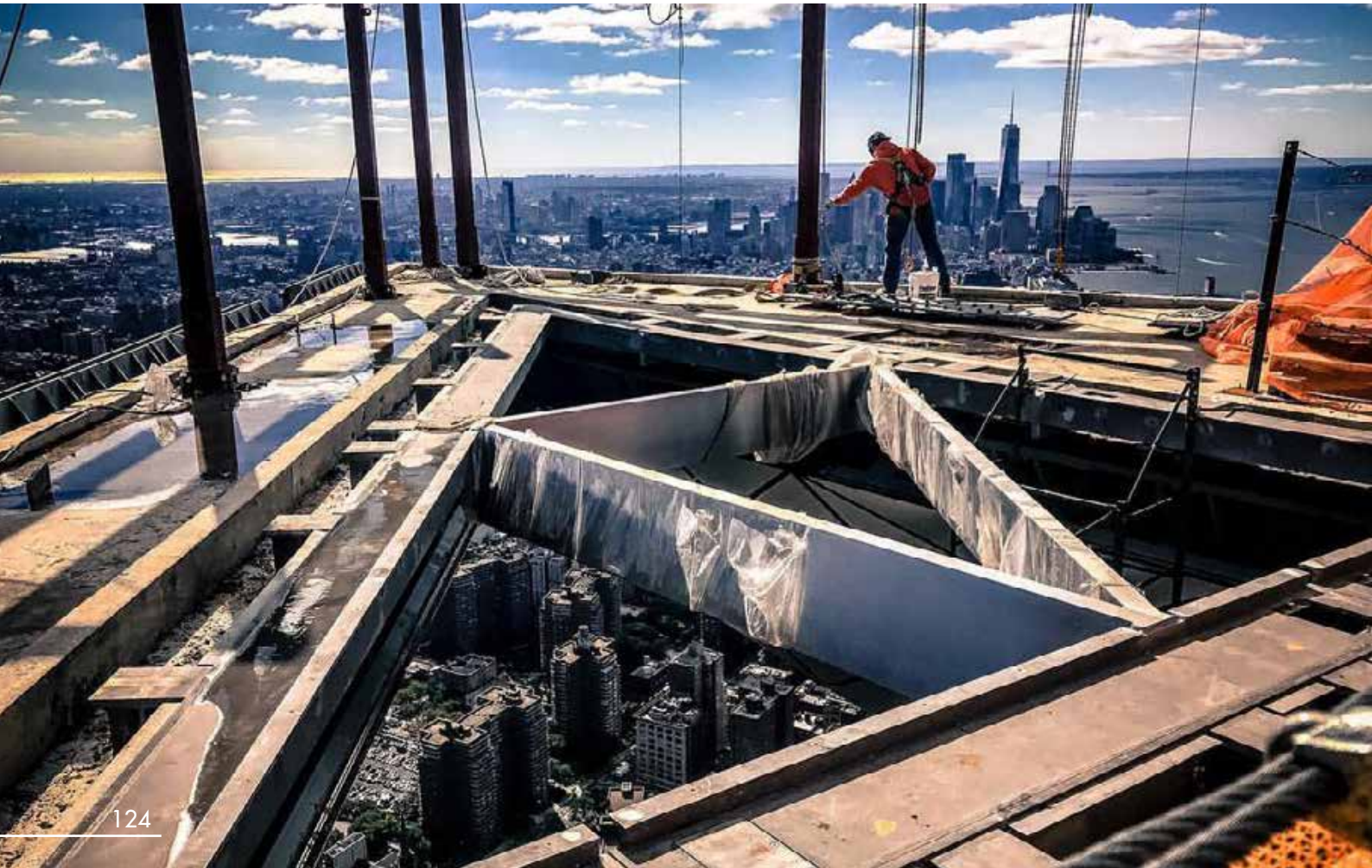
Owner: Bologna Fiere SpA
Architect: Di Gregorio Associati Architetti
Gen. Contractor: Strabag SpA - Alpiq SpA - ***Cimolai SpA*** - JV
Description: contract involved the demolition and rebuilding of pavilions 29 and 30 with a wider and more functional planimetric distribution. The structure of the new pavilions have a plan development of 70 m x 112 m (pavilion 29) and 81 m x 173 m (pavilion 30) and are characterized by the absence of internal supports. The distinctive and repeating structure of the cover consists of a variable section twin-sided lattice grid.

RECONSTRUCTION OF THE OMC FACTORY
Vicenza - Italy - 2018

Owner: Trenitalia SpA
Gen. Contractor: *Cimolai SpA*
Covered Area: 140,000 m²
Description: this project included the construction of a new warehouse, a building for periodic train maintenance and the modification of the train carriage department. It also required the renovation of the train axel depot, the mechanical department, and the entire heating system of the various departments.

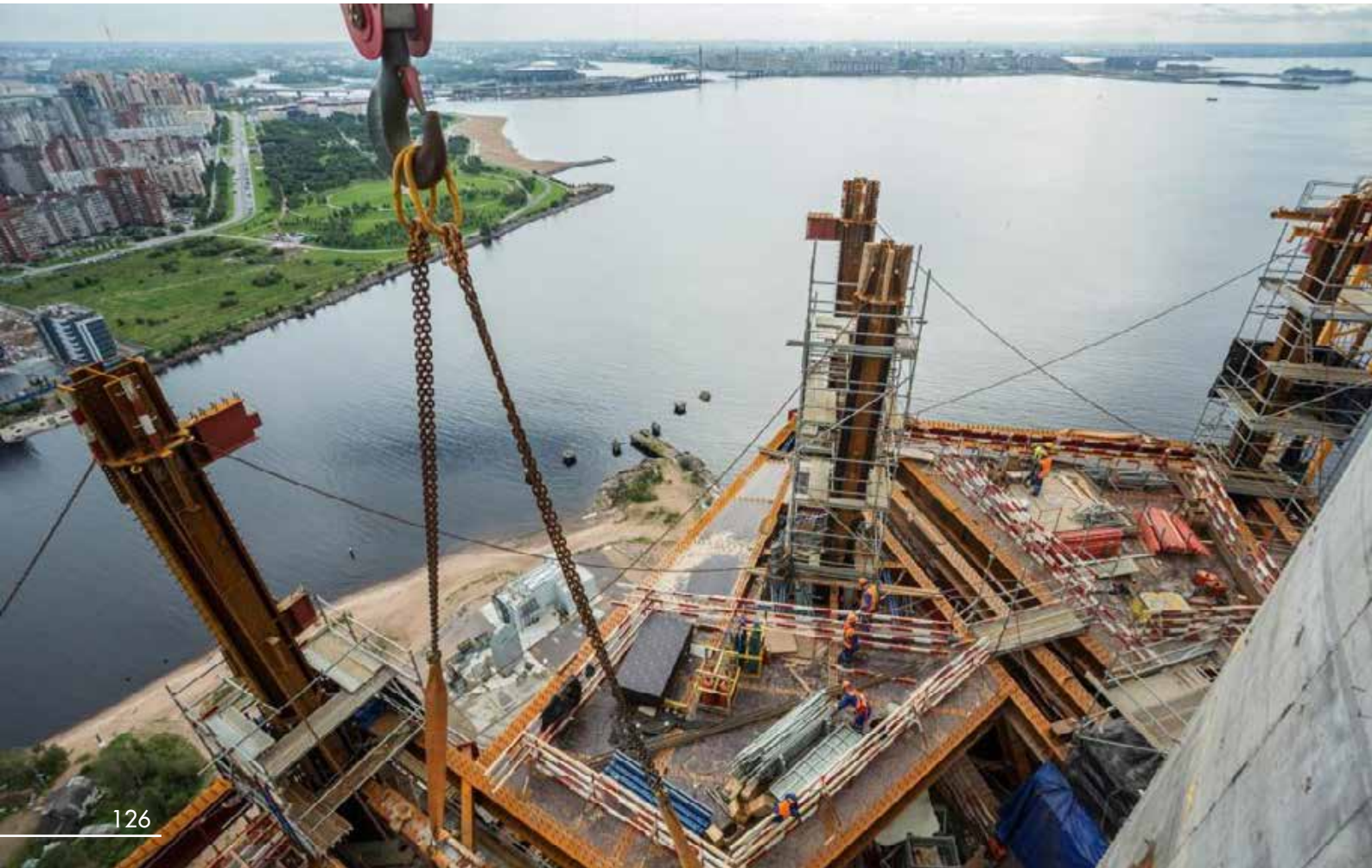
HUDSON YARDS - TOWER A - TOWER E
New York - USA - 2018

Owner: Hudson Yards Construction LLC
Architect: Kohn Pedersen Fox Associates
Gen. Contractor: AECOM Tishman
Covered Area: 81,000 m²
Description: tower A consists of a main structure of floor steel framing, bolted or welded to steel columns, and encased in glass cladding. Cimolai was awarded the contract to supply the structural steel for most of the Tower, as well as the design, including the cladding, of the highest outdoor observatory in New York which was built on the sixty-seventh floor of the tower.



LAKHTA CENTER COMPLEX TOWER
S. Petersburg - Russian Federation - 2018

Owner: Gazprom
Architect: RMJM London
Gen. Contractor: Renaissance Construction
Description: the new Skyscraper at the Lakhta Center represents the highest building ever constructed in Russia and Europe, standing 462 m in height and boasting 86 floors. A public panoramic observatory is located at 357 m. The columns are a composite structure formed by cruciform steel beams encased in concrete, 8.4 m in length, and fabricated at our Monfalcone facility.



PAVILION 37 - BOLOGNA EXHIBITION CENTER
Bologna - Italy - 2020

Owner: Bologna Fiere SpA
Designer: Gregorio Associati's studio
Gen. Contractor: Strabag SpA - Alpiq SpA - *Cimolai SpA* -JV
Dimensions: total length 184 m
width 80.8 m
Description: Pavilion 37 is a single-storey structure without supports. Its roof is divided into a fixed part and a movable part consisting of two modules measuring 19 m x 180 m each, which can slide sideways outwards using a winch system enabling the central part of the roof to be opened. Total weight is 3,800 t.

HUDSON YARDS - THE SHED
New York - USA - 2019

Owner: Culture Shed Lessee LLC
Architect: Diller Scofidio + Renfro
Gen. Contractor: Sciame Construction LLC
Covered Area: 1,665 m^2 + 1,628 m^2
Description: this structure is a highly adaptable facility composed of two major elements: the fixed building and the movable Shed. The fixed building (46 m x 37 m x 33 m height) is located at the western end of the site; the Shed can move in an East-West direction on a series of wheeled bogies over the top of the fixed building, to reveal its open position, (an area of approximately 37 m x 44 m x 39 m height).

FRUIT AND VEGETABLE MARKET
Treviso - Italy - 2020

Owner: City of Treviso
Architect: Urban Professionals
Gen. Contractor: CEV Spa - *Cimolai Spa* - JV
Area Covered: 12,000 m²
Description: design and construction of the roof of the Fruit and Vegetable Market of Treviso. The building consists of two "wings" 110 m long and a central part 70 m long. The structure of the "wings" is made up of tubular columns and reticular beams while the central part consists of three 16 m high portals.

SOUNDPORT PROJECT
Copenhagen - Denmark - 2020

Owner: Ferring Pharmaceuticals A/S
Architect: Foster + Partners
Gen. Contractor: Soundport A/S
Description: The supply and assembly of the metal roof support structure for the new Ferring Pharmaceuticals headquarters in Copenhagen. The structure is composed of a series of vertical lattice girders anchored to the concrete slab that support the closing grid of the central partition. Its weight is about 800 t.


Immagine di Mikkelsen Arkitekter

EXO BUILDING
Dublin - Ireland - 2020

Owner: Grant Thornton
Architect: Shay Cleary Architects - MCA Architects
Gen. Contractor: Bennett Construction
Area Covered: 16,000 m^2
Description: the building consists of 17 floors supported by 6 steel columns and an impressive truss system along the facades. Cimolai was awarded the supply and installation of all the steelwork as well as the corrugated sheets for the floors, including structural design and erection, made particularly complex by the presence of portions of the building cantilevered from the central concrete cores. Total weight about 3,000 t.

Immagine di Jamie Hackett, Magnaparte

COVERAGE OF ILVA IRON ORE AND COAL YARDS
Taranto - Italy - 2021

Owner: Arcelor Mittal Italia
Gen. Contractor: *Cimolai SpA*
Covered Area: 355,600 m²
Description: As part of the environmental adaptation work at the ILVA Taranto plant, Cimolai has acquired the contract for the construction of the Mineral and Fossil Parks. This includes the foundations and plant engineering work. It consists of two metal structures 80 m high, 254 m wide and 476 m long, with a total weight of approximately 44,000 t.

EHL HOSPITALITY MANAGEMENT SCHOOL

Lausanne - Switzerland - 2021

Owner:	EHL Real Estate SA
Architect:	Itten + Brechbühl SA Lausanne
Gen. Contractor:	Zwahlen & Mayr
Construction Management:	TEKHNE SA et Dr. Lüchinger + Meyer Bauingenieure AG
Area Covered:	2,500 m²
Description:	The extension of the hospitality academy includes a new connecting structure between the existing academic buildings and the units on the new campus. This connection, culminating in a steel and glass roof (verrière), includes the new main entrance with reception area, a 450-seat restaurant, kitchens, offices, a multi-purpose hall, swimming pool, spa and underground parking for 600 spaces. Total weight approx. 390 t.

COURTHOUSE SPAR
Toronto - Canada - 2022

Owner: Offshore Spars
Architect: RPBW (Renzo Piano Building Workshop)
Dimensions: total lenght 89 m
Description: the structure called "Spire" is composed of 6 cylindrical and cylinder-conical steel elements that will form an antenna of about 89 m.
The structure is assembled at the Courthouse in Toronto.


Immagine di Renzo Piano Building Workshop

DUFERCO SHED
Brescia - Italy - 2022

Owner: Duferco Travi e Profilati S.p.A.
Dimensions: width 117.35 m
lenght 476.5 m
Description: new industrial shed for rolling structural beams composed of a "rolling mill" area and a "cooling plate" area. The bearing structure in metal carpentry is composed of 5 rows of columns with a typical pitch of 16 m and transverse trusses arranged every 8 m.
The pitched roof is surmounted by a ventilation dome. The infill is composed of sandwich panels both on the roof and on the facade.

PERELMAN PERFORMING ARTS CENTER
New York City - USA - 2022

Owner: Port Authority of New York & New Jersey
Architect: REX Architecture P.C. & Davis Brody Bond
Gen. Contractor: Sciame Construction LLC
Covered Area: 2,500 m²
Description: the Perelman Building in Manhattan, located in the Word Trade Center area, is a multifunctional performing arts center.
Designed with high levels of flexibility in mind, the Perelman Center contains three performance halls, as well as a rehearsal room that can adapt to different configurations on demand.
The entire facility weighs approximately 5,800 t.


Immagine di Laurian Ghinitoiu

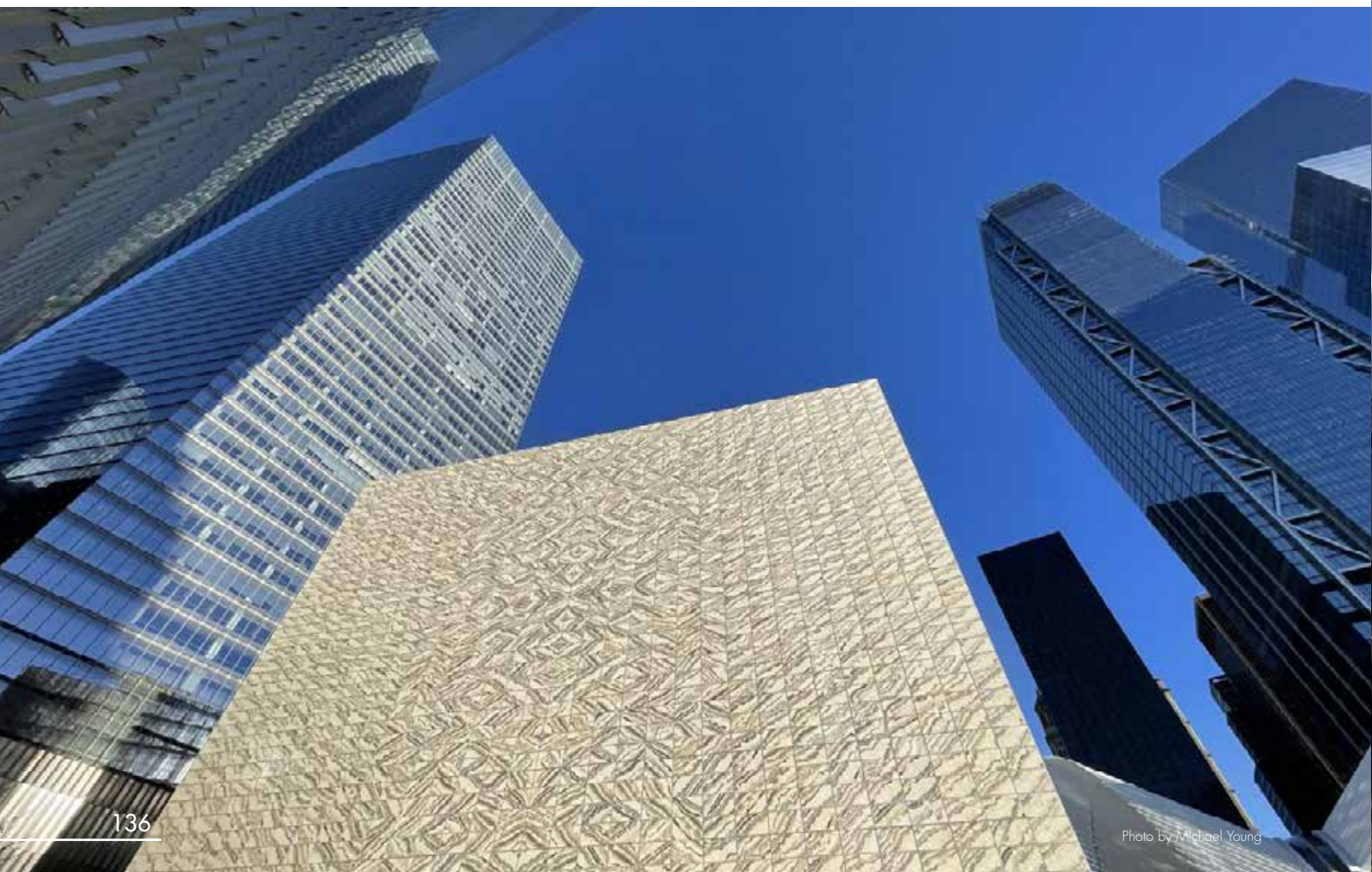


Photo by Michael Young

Immagine di Young MIchael

CERN NEW GATEWAY
Geneva - Switzerland - 2023

Owner:	Cern
Architect:	Renzo Piano Building Workshop Maltauro -
Gen. Contractor:	Maltauro - *Cimolai SpA* - JV
Dimensions:	1,800 t total weight
	7,320 m^2 of metal cladding
	2,750 m^2 glass facades
	315 m^2 of glass flooring
Description:	the project consists of three pavilions and two structures made of steelwork and glass in the form of tubes, arranged on either side of one of the arteries connecting Geneva to neighboring France. Completing the work is a steel-glass elevated walkway that allows for the crossing of the road and the streetcar line, as well as the connection between all the units.

TEL AVIV UNIVERSITY RESEARCH CENTER

Tel Aviv - Israel - 2023

Owner: Tel Aviv University
Architect: Michel Rémon & Associés - Y.Y. Granot Architects
Contractor: Baran Group
Description: the envelope consists of 146 steel box columns with a height of 24 m. Devoid of scale markers, such as windows or doors, it forms a geometric landscape modulated by the undulations of the surface. A lattice of beams will surround the building on all sides and form the exoskeleton load-bearing exoskeleton of the building, like a skin, to manage the thermal exchanges between the exterior and interior of the building and the necessary light supply.

NEW CONTROL ROOM - CERN
Cessy - France - 2023

Owner: CERN
Gen. Contractor: *Cimolai SpA* (leader), Esa Electromech S.r.l. (JV)
Description: design and construction of a 15.7 m x 24.5 m building intended to house the new Control Room at Cern's LHC-P5 site, within which one of the most important experiments currently underway for elementary particle research is taking place. Cimolai designed and built the civil works, steel load-bearing structure, exterior cladding and interior partitions of the building, as well as the supply and installation of the systems.

Image by Steven Zucker

ONE ROOF
Cessy - France - 2023

Owner: Banque Lombard Odier, Cie SA
Gen. Contractor: Consortium CIII
Architect: Herzog & de Meuron
Dimensions: total lenght168 m,
Description: total weight 74 m
for the new world headquarters of the bank Lombard Odier in Bellevue will be provided with 1,800 metal columns for all the corridors. In addition to fabrication, a C2 duplex system will be applied and the shipment will be carried out from Italy.


Immagine di Herzog & de Meuron

ROLEX ONYX
Geneva - Switzerland

Owner: Rolex SA
Gen. Contractor: Construction Perret SA /Induni & Cie SA
Architect: Brodbeck Roulet Architectes Associés SA
Dimensions: total lenght 115 m,
total weight 52 m.
Description: new ROLEX production unit in Chêne-Bourg. The steel structure and stairs will be supplied for the project. In addition to the supply of the material, the manufacturing of the various structures with the application of the C3 and R60 intumescent systems is also planned.

VDN - NOGARO GLASSWORKS

San Giorgio di Nogaro - Italy - 2023

Owner: VDN S.r.l.

Dimensions: 2 buildings of 320 m x 90 m x h variable from 32 m to 13 m each

Description: Cimolai is participating in the construction of the new plant of the Vetreria Cooperativa Piegarese. The plant will cover an area of 330,000 square metres, with a production area of 30,000 square metres and storage area of 30,000 square metres, where 150,000 tonnes of glass per year, over 400 tonnes per day, will be processed for the production of glass containers for foodstuffs. Cimolai is building the metal structures weighing more than 4,000 t, wall and roof cladding, doors, windows and related finishes, as well as the design, supply and installation of the 61 m high chimney.

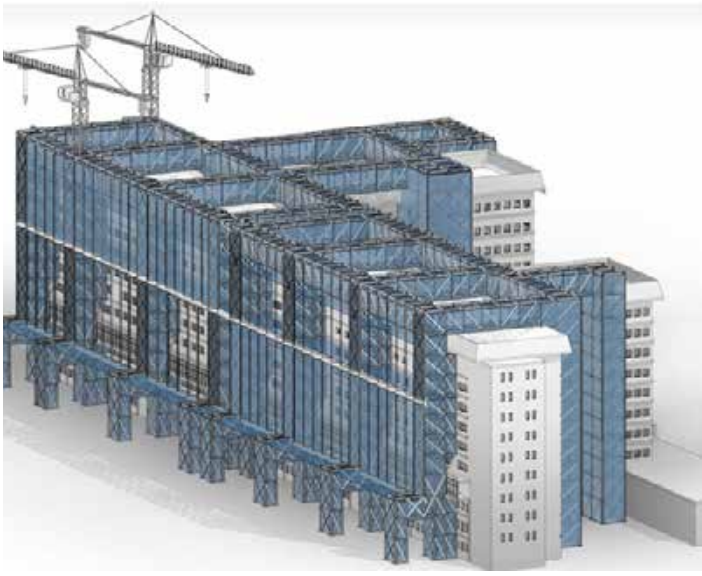
PRF SHED EXTENSION
Viareggio - Italy - 2023

Owner: Azimut Benetti S.p.A.
Gen. Contractor: Municipality of Livorno
Description: construction of civil works and supply of the metal structures for the extension of the "PRF" shed located in the industrial complex used as a shipyard in the port of Livorno.

BORGO ROMA HOSPITAL
Verona - Italy - 2023

Owner: Azienda Ospedaliera Universitaria Integrata Verona

Description: design and execution of structural anti-seismic works to protect the Borgo Roma hospital building. The project envisages the construction of a galvanised steel reticular structure weighing approximately 6,700 t that wraps around the building. It is a structure composed of 20 towers, approximately 44 m high, connected by roof and wall trusses. The design and execution of the cladding of the structures is also included. The diffuse masking consists of a series of metal panels approximately 16 m high and 2 m wide, which alternate to create an interplay of empty and full spaces.



PILOTS TOWER
Genoa - Italy - 2023

Owner: Autorità di Sistema Portuale del Mar Ligure Occidentale

Architect: RPBW (Renzo Piano Building Workshop)

Description: light metal structure made of tubes and tie rods that evokes the architecture of the old cranes of the port docks. At the top of the 65 m high tower there is the pilots' cabin which, equipped with large windows, will enable visual control of the port entrance. Above, the 28 m square roof acts as a large protective visor. Also part of the project are the two-story building and the walkway adjacent to the tower.

Image of Renzo Piano Building Workshop

SESTO SAN GIOVANNI STATION

Sesto San Giovanni - Italy - 2023

Owner: Milanosesto S.p.A.

Architect: RPBW (Renzo Piano Building Workshop), ODB & Partners (Ottavio Di Blasi & Partners)

Description: turnkey realization of the new station in Sesto San Giovanni characterized mainly by the steel and glass overbridge of the existing railway line housing inside stores, bars, services for visitors and travelers.

Image of Renzo Piano Building Workshop

MOSE MASKING
Venice - Italy - 2023

Owner: Consorzio Venezia Nuova
Gen. Contractor: San Nicolò Scarl - Setten Genesio SpA
Description: these are masking structures that will improve the architectural appearance of the Venice lagoon, and the facilities serving the Mose barrier system. They consist of four independent structures, located respectively on the North and South abutments in the Lido San Nicolò inlet and on the East and West abutments in the Lido Treporti inlet, for which galvanised and painted S355 steel structures will be supplied and installed, on which ceramic masking tiles will be laid.

Immagine di Mole Engineering

SPECIAL PROJECTS

6
COUNTRIES

OVER
300,000
TONS OF STEEL

SPECIAL PROJECTS
Major Projects

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Seabourn Odyssey/Sojourn/Quest **2008**
Gross tonnage each 32,000 t

p. 153

Costa Concordia removal platforms **2013**
Giglio island - Italy - 35 m x 45 m x 20 m dimension

p.154

Mo.s.e. - Lido Port Entrance **2014**
Venice - Italy - 23 gates

p. 155

Sparvo tunnel **2015**
A1 motorway - Italy - 540 m total length

p. 156

On Shore modules **2015**
Upper Zakum Oilfield - UAE - 6 modules

p. 157

TLS for Pioneering Spirit **2015**
Allseas - 16 beams

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Gates on new Panama canal **2016**
Panama - 16 gates

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On Shore structures - Tengiz **2017**
Kazakhstan - 20 modules

SPECIAL PROJECTS
Major Projects

p. 160

Hudson Yards - Vessel **2018**
New York - USA - 46 m height

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Head in the wind **2019**
London - UK

p. 163

RFI ferry boat **2020**
2,510 t total weight

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Port Caisson **2020**
Casablanca - Morocco - 42 m total length

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Barge Arcalupa **2020**
127.2 m x 31.5 m x 6.5

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Pioneering spirit - JLS beam **2021**
Allseas - 2 beams of 175 m each

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Modules LNG Canada **2021**
Kitimat - Canada - 4 modules

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Carnival Seabourn Pursuit **2022**

SPECIAL PROJECTS
Major Projects

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Al Wasl Plaza **2021**
Dubai - UAE - 130 m diameter

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Off Shore Platform - Ravenna - Italy **2022**
45.000m² Covered Area

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WSF - Weapons Storage Facility - **2022**
Camp Darby - Pisa (Italia)

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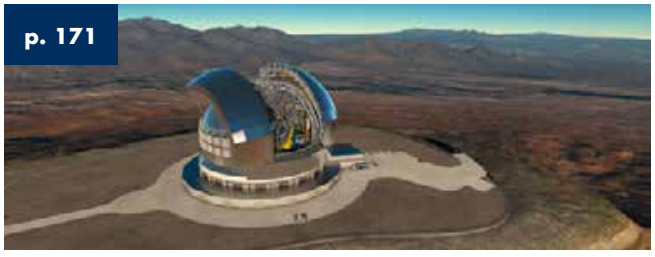

Elt Telescope **2023**
Cerro Armazones - Chile - Diameter 39 m

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Plaquemines - Plaquemines 1+ **2023**
Louisiana - USA - length 43 m

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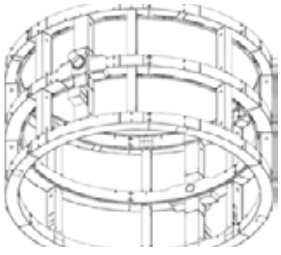

External Caisson **2023**
Aigle – Switzerland

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Stand De Tir Ouverts Evolutifs **2023**
France - length 43 m

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Mo.S.E. - Malamocco Port **2023**
Venice - Italy

SEABOURN ODYSSEY - SOJOURN - QUEST
2008 - 2009 - 2010

Owner: Seabourn Cruise Line
Gen. Contractor: T. Mariotti SpA
Description: construction of the hulls for three vessels weighing 32,000 t each.

COSTA CONCORDIA REMOVAL PLATFORMS
Giglio Island - Italy - 2013

Owner: Costa Crociere SpA
Gen. Contractor: Titan - Micoperi Srl - JV
Description: provision of 4 temporary platforms and 18 foundation piles with a length of aproximately 35 m, used by the Titan - Micoperi consortium for the Costa Concordia removal operation near Giglio Island.

MO.S.E. - Lido Port Entrance
Venice - Italy - 2014

Owner: Magistrato delle Acque
Gen. Contractor: Comar Scarl
Description: each gate measures 18.6 m x 19.8 m x 3.6 m and weighs approximately 170 t. The gates are essentially closed steel box structures, of typically naval construction, formed by a steel frame and clad both sides with 8/10 mm stiffened skid plates (Tee diaphragms and bulb flats).

SPARVO TUNNEL
A1 Motorway - Italy - 2015

Owner: Autostrade per l'Italia
Gen. Contractor: San Benedetto Val di Sambro Scarl
Description: S460 steel shells were installed using hydraulic equipment specially designed and developed by the Cimolai technical department. The project made use of calendered panels made from metal sheets with a thickness of between 30 mm and 70 mm, reinforced with curved T-section ribs (thickness 50 mm to 100 mm).

OFF SHORE PLATFORM
Upper Zakum Oilfield - UAE - 2015

Owner: Petrofac
Gen. Contractor: Nuovo Pignone Srl
Description: realization of six complete modules of tertiary structures (stairs, handrails, electrical supports, pipes), each module has a dimension of 20 m width, 44 m length and 24 m height and a weight of 1,000 t.
The six modules were fully assembled at our San Giorgio di Nogaro plant.

TLS FOR PIONEERING SPIRIT
Allseas - 2015

Owner: Allseas
Gen. Contractor: Societè d'Exploitation du Pieter Schelte
Description: Cimolai equipped Allseas' new flagship with a system of 16 beams to be used for the decommissioning of off-shore oil platforms.
The girders, 6.4 m high x 64 m in length and each weighing 1,600 t, required machining to their overall length which was undertaken by a new milling machine equipped with a mobile arm installed at our Monfalcone plant.

GATES ON NEW PANAMA CANAL
Panama - 2016

Owner: Panama Canal Authority
Gen. Contractor: GUPC
Description: manufacture and installation of 16 sluice gates (eight on the Atlantic side and eight on the Pacific side), along with accessory structures and movement mechanisms for their operation, resulting in a total weight of approximately 55,000 t.
The sluice gates have maximum dimensions of 60 m x 10 m x 33 m (comparable to a 10 storey building) and weigh approximately 4,300 t.

ON SHORE STRUCTURES TENGIZ
Kazakhstan - 2017

Owner: TCO (TengizChevronOil)
Gen. Contractor: Baker Hughes GE Oil&Gas
Description: 5 on-shore modules for the production of electrical energy with electric supports, pipes and lights.
Each module is made up of 2 denominated units, GTG (Gas Turbine Generator, 16 m x 58 m x 22 m) and PAU (Pre-Assembled Unit, 16 m x 32 m x 22 m) which in turn are subdivided in 2 parts, Lower and Upper, in order to facilitate shipment.

HUDSON YARDS - VESSEL
New York - USA - 2019

Owner: Hudson Yards Construction LLC
Architect: Heatherwick Studio
Gen. Contractor: AECOM Tishman
Description: at over 46 m in height, The Vessel is a major new attraction in New York, a breathtaking new place from where to view the city. It is designed to be part of a large gathering space for the city, a place for New Yorkers and visitors alike. With 80 viewing platforms and 154 staircases, there is an entire mile of vertical exploration where the dynamic energy and creativity of New York offers varying views and perspectives.

HEAD IN THE WIND

Greenwich Peninsula - London - United Kingdom - 2019

Owner: Knight Dragon

Artist: Allen Jones RA

Description: One of Britain's most distinguished Pop artists, Allen Jones, was commissioned to create a site-specific piece of artwork inspired by the context of The Tide. Unlike most public sculptures, which are designed to be viewed from the ground, Jones' striking red 8-metre high sculpture Head in The Wind is also designed to be seen from above, inviting viewers to interact with the sculpture from a whole new perspective. Cimolai worked with the artist in the moulding and fabrication of sculpture.

RFI FERRY BOAT
2020

Owner: Rete Ferroviaria ItalianaT. Mariotti S.p.A.,
Gen. Contractor: A.T.I. T. Mariotti S.p.A., San Giorgio del Porto S.p.A.
Description: Construction of the steel hull and superstructure of a ship with a length of 147 m and a maximum width of 19 m and a weight of 2,510 t. The ship is used to transport rail coaches and wagons, passengers, cars and trucks and operates in the Strait of Messina for R.F.I.

PORT CAISSON
Casablanca - Morocco - 2020

Owner:	Royaume Du Maroc Agence Nationale Des Ports
Contractor:	*Cimolai Spa*
Designer:	Studio Eng. Nattero
Dimensions:	total length 42 m width 8.4 m height 15 m
Description:	the contract involves the executive design, fabrication, supply, and commissioning of the Barca Porta for the new dry dock at the Port of Casablanca. The Barca Porta is a semi-submersible vessel, capable of changing its buoyancy thanks to ballast tanks, which allows the dock to be closed, kept dry and filled. The weight of the carpentry and deck is 630 t.

BARGE ARCALUPA
2020

Owner:	Arcalupa S.r.l.
Contractor:	*Cimolai Spa*
Designer:	Studio Eng. Nattero
Dimensions:	127,2 m x 31,5 m x 6,5 m
Description:	The "Arcalupa" is a floating barge in ABS +A1 class for the transport of exceptional loads, with a load capacity of 14,000 t and a capacity of 30 t/sqm on the deck. By installing special flotation towers, it is possible to submerge the roof of the barge, thus creating a floating dock for launching products with a load capacity of 9,800 t. The weight of the barge is 3,800 t LSW with towers 4,200 t LSW.

PIONEERING SPIRIT - JLS BEAM
Allseas - Netherlands - 2021

Owner: Societè d'Exploitation du Pioneering Spirit

Description Cimolai, as part of the JLS System project, built two 175-m-long beams that make up the stern-lift system. The complexity of the work is given by both the S690-grade materials as well as the construction tolerances; electrical, hydraulic and instrument outfitting systems and the management of the ballast tanks (water ballast tanks) complete the project. The weight of the two beams is over12,000 t.

LNG MODULES CANADA
Kitimat - Canada - 2021

Owner: JFJV – JGC Fluor BC LNG Joint Venture
Gen. Contractor: Baker Hughes Company
Description: as part of the design of the LNG Canada terminal, Cimolai fabricated four steel modules S355ML and S460ML, having dimensions of approximately 54 m x 22 m x H 25 m, complete with cladding structures, piping/electro-instrumental supports, and tertiary structures (stairs, parapets, gratings, and seafaring stairs). The total weight is about 6,000 t.

CARNIVAL SEABOURN PURSUIT
2021

Owner: Seabourn Cruise Line

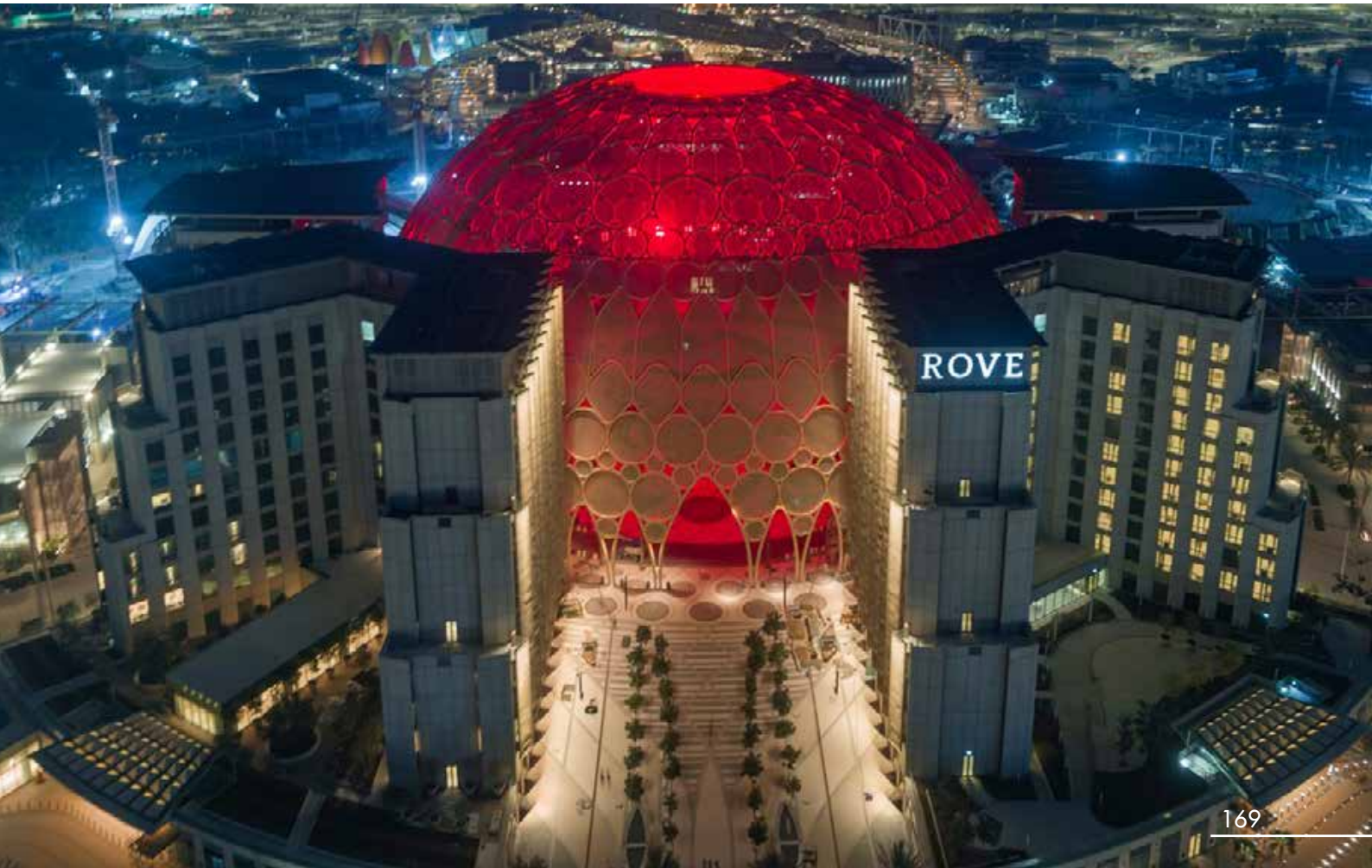
Gen. Contractor: T. Mariotti S.p.A., ***Cimolai Spa*** CI.MAR. Costruzioni navali S.r.l.

Description: construction of the steel hull and superstructure of the 172.3-m long and 24-m wide Pursuit weighing 5,789 t. The ship, designed and built to meet ice class requirements, is used as an extra-luxury cruise and can accommodate up to a maximum of 530 people.

Photoo by Courtesy of T.Mariotti

AL WASL PLAZA
Dubai - UAE - 2021

Owner: Expo 2020 Dubai
Architect: Adrian Smith - Gordon Gill Architecture
Gen. Contractor: Cimolai Rimond M.E.
Description: the structure, inaugurated on October 1, 2021, is designed to cover the central plaza of the new EXPO 2020 complex. The 130 m diameter dome reaches a height of 67 m.
It consists of tubes organized in a pattern of interconnected rings. The diameters of the tubes are standardized to 508 mm with thicknesses from 10 mm to 50 mm.
The areas inside the structure are enclosed by transparent membranes, which, along with the utility installations, are part of the contract.
Weighs about 2,500 t.



OFF SHORE PLATFORM
Ravenna - Italy - 2021

Owner: Rosetti Marino SpA
Gen. Contractor: *Cimolai SpA*
Description: construction of 4 blocks (LN, CN, MN AND MS) made of s355 and s460 steel with a total weight of about 1,750 t, each having length 50 m, width 22 m and height 10 m. 6 grillage structures having a total weight of about 300 t were also built. The structures were Ex works from our factory to be subsequently assembled at the Piomboni yard in Ravenna by the customer.

WSF - Weapons Storage Facility
Camp Darby - Pisa (Italy) - 2021

Owner: U.S. NAVY - NAVFAC
Gen. Contractor: *Cimolai Spa*
Description: construction of a 2.7-kilometer-long railway line connecting the RFI network to the US ARMY's Camp Darby base, a river quay along the Navicelli Canal serving the U.S. base, and a series of environmental and plant completion works. Among the most significant works is the 70-m-long, 500-t Navicelli Canal overpass swing railway bridge, complete with all mechanisms and facilities for rotation.

ELT TELESCOPE
Cerro Armazones - Chile - 2023

Owner: European Southern Observatory (ESO)
Gen. Contractor: ACe Consortium, led by ***Cimolai SpA***
Description: the Extremely Large Telescope (ELT) will be the largest optical telescope ever built in the world, with the diameter of the primary mirror equal to 39 m and it will be located in Cerro Armazones in the Chilean Andes at about 3,000 m above sea level.
It consist of a metallic structure with a diameter of 71 m and a height of 62 m.
The telescope, which incorporates extremely high technology solutions, will be positioned inside a steel rotating structure called the "dome" of 6.000 t equipped with sliding openings with a diameter of 92 m and a height of 80 m and a partially permeable screen (Windscreen).

courtesy of Eso: E.Garcés and N.Dubost

PLAQUEMINES - PLAQUEMINES 1+
Louisiana - USA - 2023

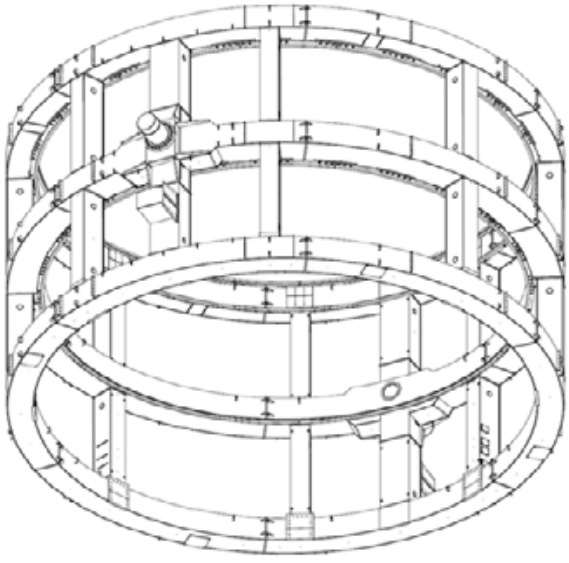
Owner: Nuovo Pignone Srl
Gen. Contractor: Venture Global LNG
Dimensions: length 43 m,
width 21,30 m,
height 11,30 m
Description: supplying, for the Venture Global Plaquemines LNG project in Louisiana, 14 steel modules S355J2, S355M and S460M complete with piping supports, tertiary structures (stairs, parapets, grating and seafaring stairs) and with the assembly of 5 vessels (supplied EXW by the client) having dimensions of approximately 43 m x 21.30 m x 11.30 m (LU x LA x H).

OIL & GAS

Thanks to the excellent results achieved in the production and shipment of Oil & Gas orders, while maintaining the set delivery schedules and deadlines, important new orders in this sector are expected in the future. In fact, Cimolai is in advanced negotiations to acquire a new supply of on-shore modules.
In the field of work related to offshore structures, wind and carbon capture (CO_2), Cimolai has successfully completed several audits with some of the world's most important players.
The latest qualification was successfully completed on 1 December 2022 for a major Finnish group involving the Monfalcone and the San Giorgio di Nogaro tube plants.

EXTERNAL CAISSON
Aigle - Switzerland - 2023

Owner: APCO Technologies
Dimensions: diameter 20 m, height 10 m
Contractor: Zwahlen & Mayr SA
Description: the project comprises the three-tier metal structure for a naval project. ZM will be responsible for the supply and fabrication of the relevant structures consisting mainly of metal caissons and pivots, as well as the machining of the elements, the painting of the structures and the shipping of all elements to the customer located in Aigle.



OPEN SHOOTING RANGES
France - 2023

Owner: Ministero della Difesa francese
Gen. Contractor: Guintoli (leader), NGE Génie Civil, Lagarrigue, ***Cimolai SpA***, (JV)
Description: framework contract for the design, fabrication and erection of the steelwork elements, and related wood/panel ballistic sheet metal cladding, for the construction of shooting ranges (stand de tir) of different lengths to be built in the South of France on behalf of the French Ministry of Defense. The structures of the polygons will consist of steel lattice girders. Included is the supply and installation of the roofing structures and associated corrugated sheets covering the target area.

Mo.S.E. MALAMOCCO PORT
Venice - Italy - 2023

Owner: Consorzio Venezia Nuova
Gen. Contractor: Comar Scarl
Description: fabrication of the new sea-side gate of the Malamocco inlet navigation lock. This gate, complete with electromechanical systems and measuring 54 m x 16 m x 7 m, required the fabrication of a handling system on rails to be placed on the seabed through the use of an underwater bell that allowed dry machining at a depth of 14 m. Both the handling system and the underwater bell were designed by Cimolai and built by it. Total weight of the steelwork about 2,370 t.

SHELTERS

For aircraft protection and missile depots

PIPE DIVISION

Since 2003, Cimolai has been a major producer of LSAW steel pipes of large diameters and heavy wall thicknesses for Offshore structures and the Oil and Gas industry in general, as well as fabricating jacket structures for renewable energy.

The factory is equipped with its own quay for mooring sea vessels and barges, which is 200 m in length and has a 7 m water depth.

Components of virtually any size and weight can be handled by the various lifting equipment installed, such as a 350 t capacity mobile gantry crane, Self-Propelled Multi-Wheel Trailers (SPMT), telescopic and crawler cranes, strand jacks and lifting towers.

LSAW LARGE DIAMETER PRODUCTION

PRESS BENDING

- Production range pipes:
  Outside Diameter 457 mm - 2.032 mm (18" - 80").
  Wall Thickness 9.53 mm - 101 mm (3/8" - 4").
  Max Length 15,100 mm (49.54 ft).

ROLL BENDING

- Production range:
  Min Outside Diameter 914 mm (36").
  Wall Thickness 9.53 mm - 127 mm (3/8"- 5").
  Max Length 3,050 mm (10 ft).

Structural Pipes EN Standard	Yield Strength: from **355 MPa up to 830 MPa**.
Line Pipe API 5L Standard	**PSL 2** Delivery Condition **M** Max Grade **X120, Q** Max Grade **X100**. **Sour Service** (Annex H): Delivery Condition **M** and **Q** Max Grade **X70**. **Offshore Service** (Annex J): Delivery Condition **M** Max Grade **X80 Q**. Max Grade **X100**.
Process Pipes ASTM Standard	**A671:** Steel Pipe for Atmospheric and Lower Temperature. **A672 :** Steel Pipe for High-Pressure Service at Moderate Temperatures. **A691 :** Carbon and Alloy Steel Pipe for High-Pressure Service at High Temperatures.
Pipes for Shell and Boiler Construction	**P355 NL1 / NL2**. **P460 NL1 / NL2**. **SA302 Gr. B**.

Processing inside the factory by CNC machines allows for the following consistent advantages:

- Engineering and welding experts
- Certain production time
- QC in production line
- Reduction of waste and related costs
- Reduction of costs for stock and handling of pipes at construction yard
- Production not affected by weather
- Absolute precision in matching pieces
- Extremely easy assembly
- Increased reliability, reduced criticalities
- Overall reduction of manpower
- Reduction of Yard Transit Time
- Controlled production conditions
- Circumferential welding
- Prefabricated components
- Repetitive procedures
- Highly skilled staff
- CNC processing
- 3D modelling
- Internal laboratory
- Secondary steel
- Logistic
- Handling
- Coating

ZWAHLEN & MAYR

Founded in 1881 by Louis Zwahlen with a handcrafted production of art ironworks, this company has expanded
over the years and today Zwahlen & Mayr is a primary contributor to the international industry and is active in two main sectors:

- production of welded, redrawn and seamless stainless steel tubes
- steel constructions

Since 1979, Zwahlen & Mayr has been a leading producer of welded stainless steel and nickel alloy tubes under the brand ZM Tubes. About ten years later (1990) Zwahlen & Mayr has started with the production of the redrawn stainless steel tubes until the production also of the seamless tubes started last 2021. These tubes are manufactured in Aigle, close to Geneva Lake and are 100% Swiss Made.
Thanks to continuous investment in machines and staff training, ZM Tubes is known throughout the world for its high quality products, excellent customer service and reliability for critical applications.
Situated in the heart of Europe, logistically perfect to serve main European industrial areas, ZM is always ready to meet the innovative challenges of the market.

TUBES

ZM Tubes manufactures three types of stainless steel tubes: standard welded, and redrawn or seamless forhigh precision applications. These tubes are used in a wide range of applications as heat exchangers, condensers, evaporators, feed water heaters for power plants and equipment in the food industry as well as in the pharmaceutical, pneumatic, automotive, instrumentation, oil & gas, valves and aerospace industries.
Inspection and tests are made in accordance with the execution standard. Samples are taken during the manufacturing process to carry out mechanical and metallurgical tests. All materials are supplied with Mill test certificates (MTC) according to EN 10204 3.1 or 3.2. Tubes may be made available to third party inspection agencies such as TÜV or Lloyd's.

MERKETS

PHARAMACEUTICAL

CHEMICAL &
PETROCHEMICAL

HEAT EXCHANGERS

INSTRUMENTATION

ELECTROMAGNETIC

PNEUMATIC

FOOD INDUSTRY

POWER
PLANTS

AUTOMOTIVE

AIR COOLERS

STEEL CONSTRUCTIONS

OUR STAFF

Sales division
Projet Managers
Engineering Department
Production and Coating
Quality and Controls Department
Logistic
Erection teams
Administration office

PRODUCTION

Plants and storages on large surface(in partnership with Cimolai Spa)
High manufactur capacity per year
High Lifting capacity
Application of coating treatment

STUDY AND

Our team and our tools:
- Engineers and designers
- Brand new IT
- Skills, experiences and references

Our advices:
Project step:
- Global solutions development

Execution step:
- Erection Optimization
- Erection concept

ERECTION

Speed and flexibility
Cost saving
Precision and quality
Security

MARKETS

STADIUMS

AIRPORTS

PRIVATE BUILDINGS

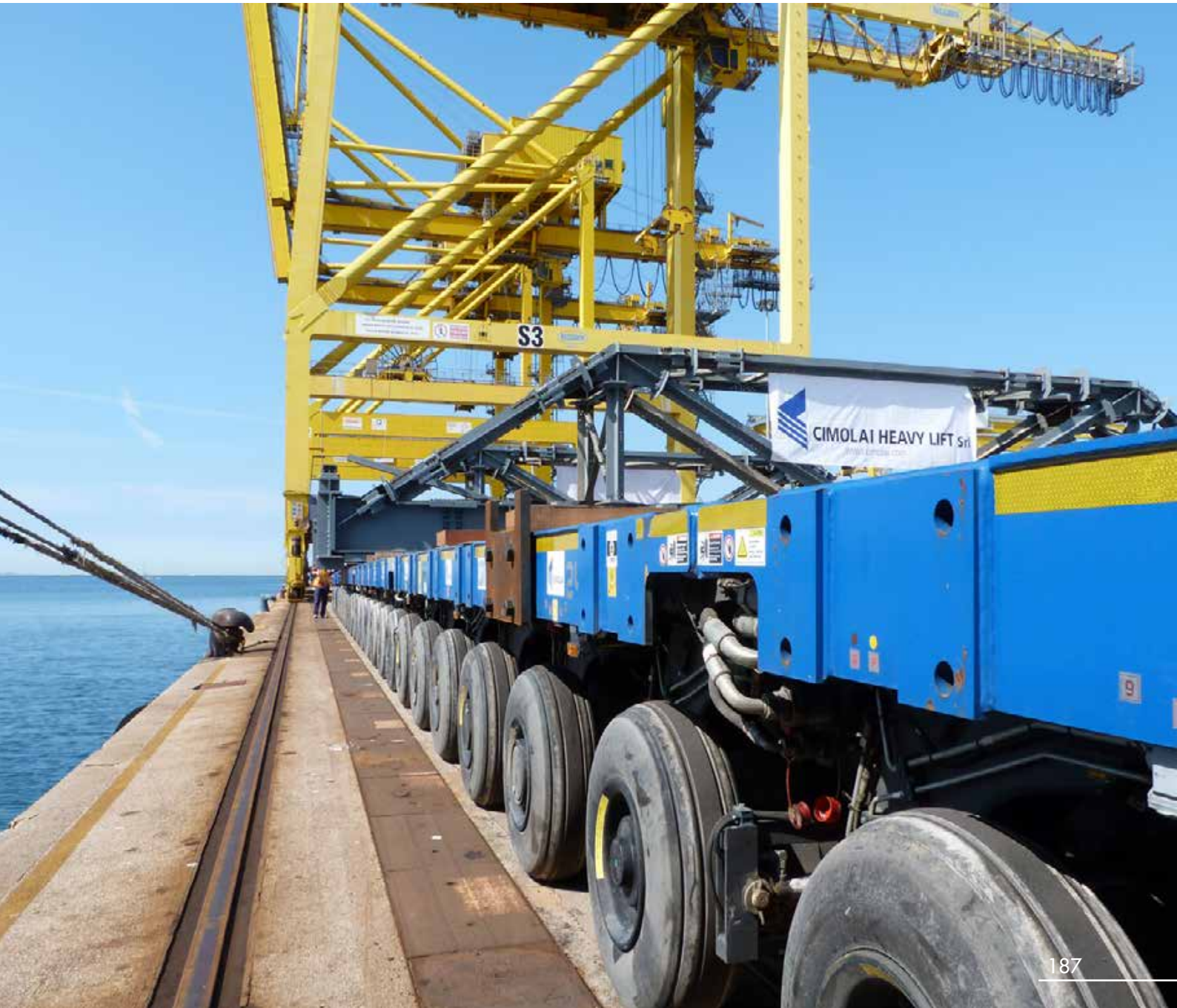
PUBLIC BUILDINGS

BRIDGES

CIMOLAI HEAVY LIFT

Cimolai Heavy Lift came into existence thanks to the great experience and ability that the Cimolai Group has gained in over half a century of handling and lifting exceptional elements.

The Company's aim is to provide a "turnkey" service which includes the design and execution of transport, as well as the lifting of oversize structures.



SPMT - MSPE EVO 2 type - more than 160 axes available - 9,500 t total load capacity

SPMT - MSPE EVO 2 type - more than 160 axes available - 9,500 t total load capacity

SPMT - MSPE EVO 2 type - more than 160 axes available - 9,500 t total load capacity

STRAND JACKS - HSL 2000 type - 12,000 t lifting cap.

STRAND JACKS - HSL 2000 type - 12,000 t lifting cap.

TEMPORARY TOWERS - with cross or circular sections

TEMPORARY TOWERS - with cross or circular sections

TEMPORARY TOWERS - with cross or circular sections

HYDRAULIC CYLINDERS - from 50 to 500 t load cap.

CRANES - telescopic and crawler - from 50 to 600 t cap.

CRANES - telescopic and crawler - from 50 to 600 t cap.

CRANES - telescopic and crawler - from 50 to 600 t cap.

CIMOLAI ARCHITECTURAL

Immagine di Pilo Studio

WHO WE ARE

Cimolai Architectural S.r.l. was established in **February 2022** from the merger of CS Facades S.r.l. and Cimolai ASC (Architectural Solutions and Contracting), the former being more active in the creation of internal envelopes, the latter in exteriors. At the origin of the new company is the precise entrepreneurial choice to join forces and strengthen the skills necessary for the realisation of interior and exterior architectural elements with structural value.

From our headquarters in North-East Italy, we manage orders and construction sites in **Europe, the UK and the USA**.

The company operates according to three key principles

- **flexibility**, in the type of service and solutions;
- **innovation**, in solutions and working methods (e.g. 3D design, use of shared platforms);
- **ingenuity**, understood as a concrete and practical approach, the engineering contribution that makes every creative proposal feasible.

OUR PROJECTS

Cimolai Architectural S.r.l. is able to act as a **single source for EPC** (engineering, procurement and construction) contracts for architectural cladding and complex ornamental elements. We have gathered experience and expertise in a company context capable of guaranteeing the **reliability of solutions and the management of the entire order**.

Projects are organised in the following categories:

- building claddings;
- ornamental architectural elements.
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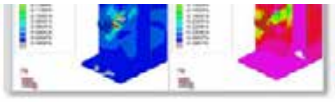
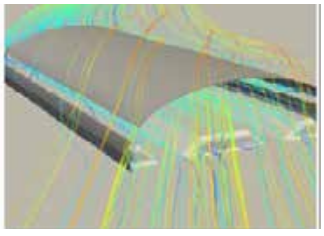


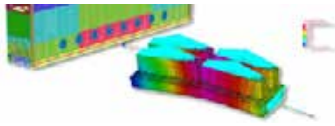


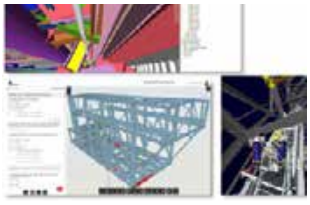

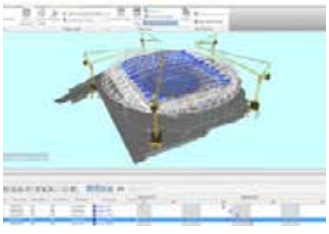




Our many years of market presence around the world have seen us mature as a partner of choice for customised architectural cladding and complex ornamental elements, taking care of every detail from design to installation.

Unique solutions for developers, designers, builders and users alike.

The Cimolai team's problem-solving approach allows us to realise any type of project, optimising design time and costs.

We are able to contribute to the development and design of various technical studies, giving shape, style and aesthetic quality to unique works

ARCHITECTURAL PROJECTS
Major Projects

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515 Canopy **2021**
New York City - USA - 1,900 m² covered area

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550 Madison - Sony building **2022**
New York - USA - 2,500 m² facades

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50 Hudson Yard - Storefront & Feature Stair **2022**
New York - USA

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Sky Lab **2022**
London - UK - 6,000 m² facets

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Olympia Emberton House **2023**
London - Uk - 7,000 m² casing

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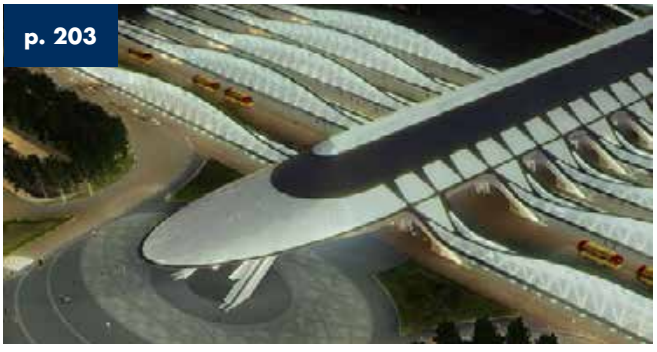

Gare De Mons **2023**
Mons - Belgium - 10,900 m² glass windows

ARCHITECTURAL PROJECTS
Major Projects

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Piraeus Tower
Athens - Greece - 13,450 m² covered area

2023

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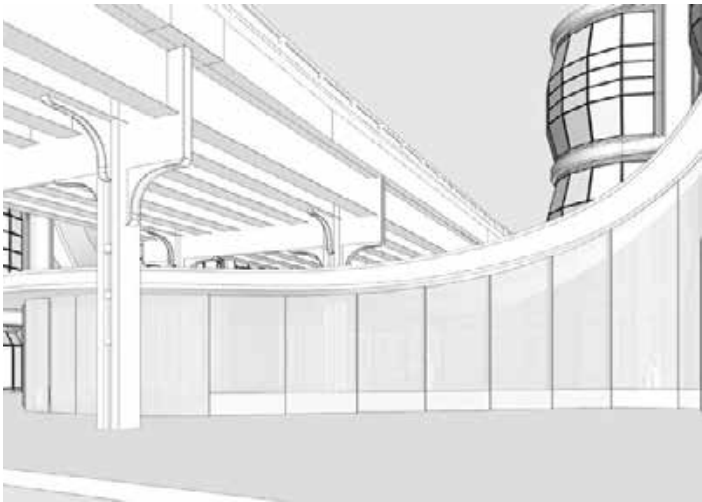
Mareterra
Monaco - Principality of Monaco - aluminum cladding - 17,000 m²

2023

515 CANOPY
New York - USA - 2021

Owner: 18th Highline Associates, L.L.C.
Architect: Heatherwick Studios LTD
March & White LLC
Gen. Contractor: Related Construction LLC
Description: design and realization of the hall for the buildings located in 515 West 18th Street in New York. Our supply includes, in addition to the steel load-bearing structure, all ornamental details related to the roof and the storefront, including sliding doors.



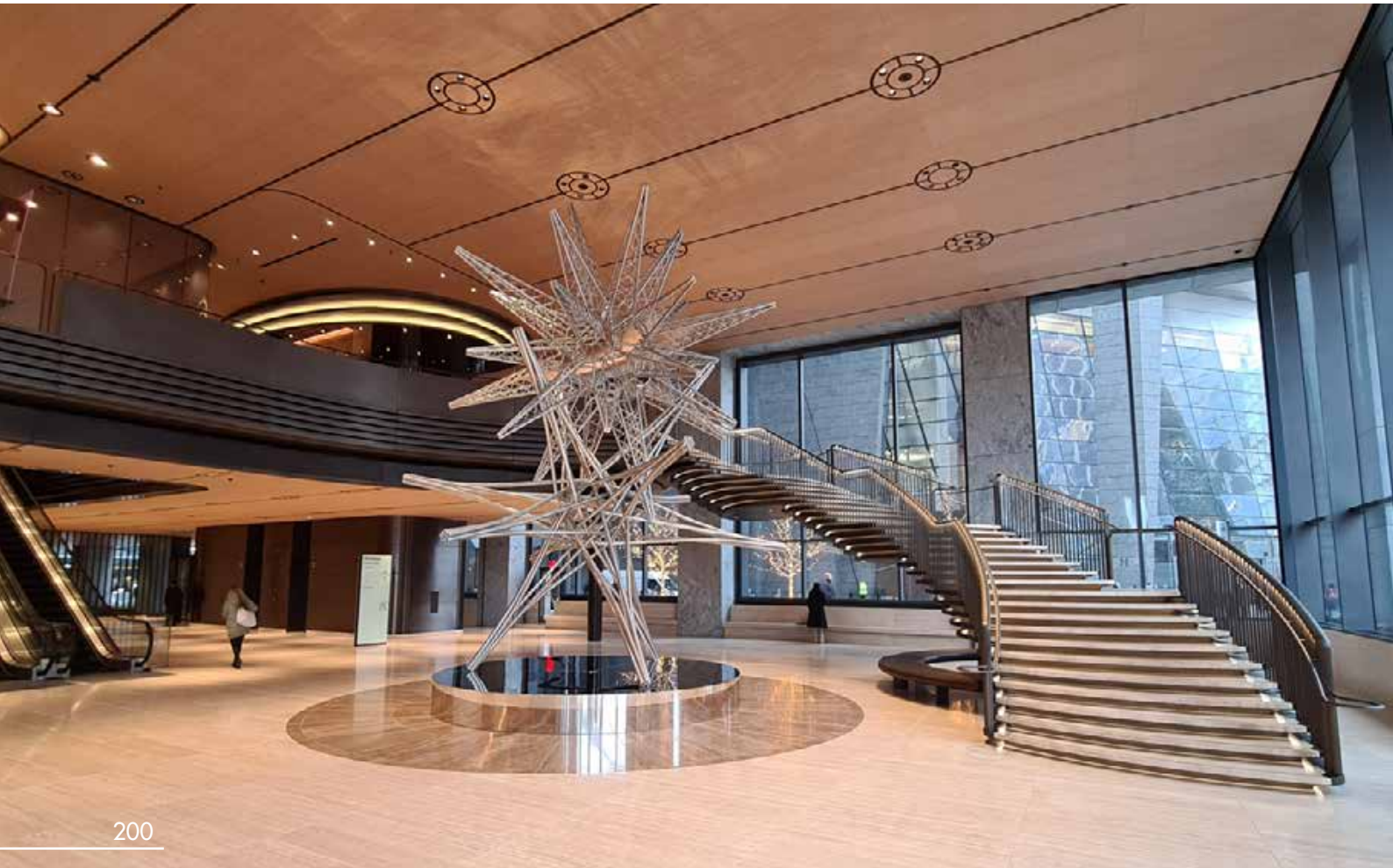
550 MADISON - SONY BUILDING
New York City - USA - 2022

Owner:	Tishman
Architect:	Snoetta + AAI
Gen. Contractor:	Tishman
Dimensions:	1,500 m² of façade on 24 storefront reno-
Description:	vation with bronze finish of the Storefront of one of the most prestigious skyscrapers in New York City, located on the famous Madison Avenue: the Sony Building. The two main facades are composed of 12 glazed sections 18 m high and 5 m wide. The architectural steel structure (mullions and transoms) is made of milled sheets machi- ned in the Cimolai Spa workshops.

50 HUDSON YARDS - STOREFRONT & FEATURE STAIR

New York City - USA - 2022

Owner: The Related Companies L.P.
Architect: Oxford Property Group Inc.
Gen. Contractor: Foster + Partners
Description: Hudson Yards Construction II LLC design and construction of the monumental Feature Stair at the main entrance to the West Lobby of the 50 Hudson Yard building. The steel-framed staircase is clad in curved bronze panels, has a brass handrail and curved glass railings. Glazed balustrades on the first level and, on the ground floor, a storefront with oversized windows and decorative aluminum blades clad in bronze will also be built.



SKY LAB
Londra - United Kingdom - 2022

Owner: Sky Television
Architect: Atkins
Gen. Contractor: ISG
Description: supply and installation of Sky Television's new research laboratory headquarters in London, covering a total of 6,000 m² of façade. The project includes anodized aluminum alloy 5005 gray cladding, the main facade with extra clear high performance glass, external sunscreens, an architectural steel support structure, skylights and main entrances.

OLYMPIA EMBERTON HOUSE
London - UK - 2023

Owner: Olympus Property Holding Limited
Gen. Contractor: Laing O'Rourke Construction Limited
Description: renovation of a multi-storey car park. After renovation, it will house a luxury hotel, a theatre and a prestigious school. Construction of approximately 7,000 square m of envelope, including the glass-aluminium cell curtain wall, ribbon façades and GRC cladding. The work is completed by the large skylight on the roof, the stainless steel balustrade, the canopies protecting the entrance to the school and the hotel, and the typical painted steel doors and windows reminiscent of late 19th century London architecture.


Immagine di Future Olympia


Immagine di Future Olympia

GARE DE MONS
Mons - Belgium - 2023

Owner:	Société Nationale des Chemins de fer Français
Architect:	Santiago Calatrava
Dimensions:	10,900 m² of stained glass windows
Description:	the work will house a 15 m wide and 16 m high station-underpass with services, a crèche and shops for the over 100,000 weekly passengers expected. The work is part of the modernization plan of the station and includes the use of about 10,900 m² of flat and curved insulating glass, balustrades and aluminum coatings.


Immagine di Santiago Calatrava architects & engineers


Immagine di Santiago Calatrava architects & engineers

PIRAEUS TOWER
Athens - Greece - 2023

Owner:	Dimand
Gen. Contractor:	Terna SA.
Architect:	PILA Architects
Dimensions:	9,300 m² of coating
Description:	new cladding for Piraeus Tower, the second tallest tower in Greece. The project involves 9,300 m² of cellular façade, which will be supplied by Cimolai Architectural.

MARETERRA

Monaco - Principality of Monaco - 2023

Owner:	Anse du Portier - Principaute de Monaco
Gen. Contractor:	ENGECO SAM
Architect:	RPBW (Renzo Piano Building Workshop)
Dimensions:	17,000 m^2 di rivestimenti in alluminio 10,000 m^2 di rivestimenti vetrati
Description:	the work is part of the iconic Monaco project that involves the design of a new 6-hectare floating island with cultural and recreational spaces and extensive Mediterranean gardens. The project includes the exterior cladding of the most impressive building in the prestigious Mareterra district in the Principality of Monaco, designed by architects Renzo Piano, Denis Valode, and Michel Desvigne.

Immagine di Renzo Piano Building Workshop

SERVICES

ANTE OPERAM SERVICES

- Preliminary design
- Design support
- Feasibility study
- Project budget and cost definition
- Value analysis - value en gineering
- Performance evaluation
- Material sampling and comparisons
- Scale models

PRODUCTION

- Profile processing
- Panel assembly
- Quality control
- Collaboration with loyal manufacturers
- manufacturers who are characterised by high craftsmanship skills

DESIGN AND ENGINEERING

- System development
- Structural, thermal and acoustic engineering
- Laboratory testing (through independent laboratories)
- Design management
- BIM
- Parametric design/modelling
- Support in achieving sustainability targets (carbon fo-otprint calculation, LEED, BREEAM, WELL protocols)

PROJECT MANAGEMENT

- Project planning
- Procurement management
- Quality management

INSTALLATION

- On-site management
- Supply chain and delivery management

AFTER-SALES SERVICES

- Maintenance
- Replacement

PARTNERS

We design and manufacture building claddings and architectural elements for the most prestigious studios.

The sparks from which our projects are born are the collaborations with established studios: their creativity and performance expectations meet our technical and production capacity, and this is how extraordinary intuitions are translated into feasible and tangible solutions.

The partnership does not end in the design phase but continues with production and installation. Cimolai Architectural S.r.l. proposes itself as a general contractor capable of managing every step of the order, from feasibility studies to after-sales.


SEABOURN ODYSSEY

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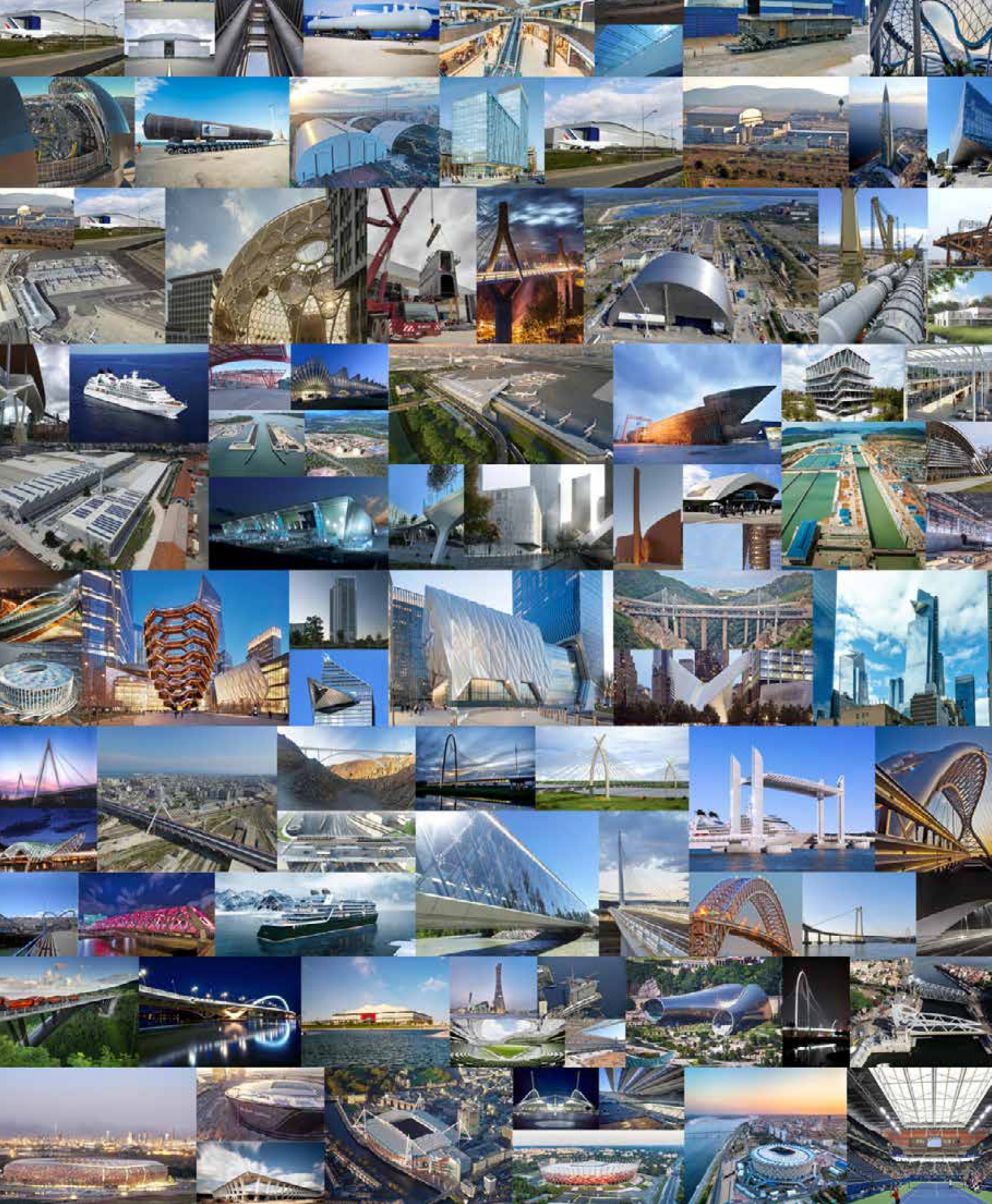

ENG
2023