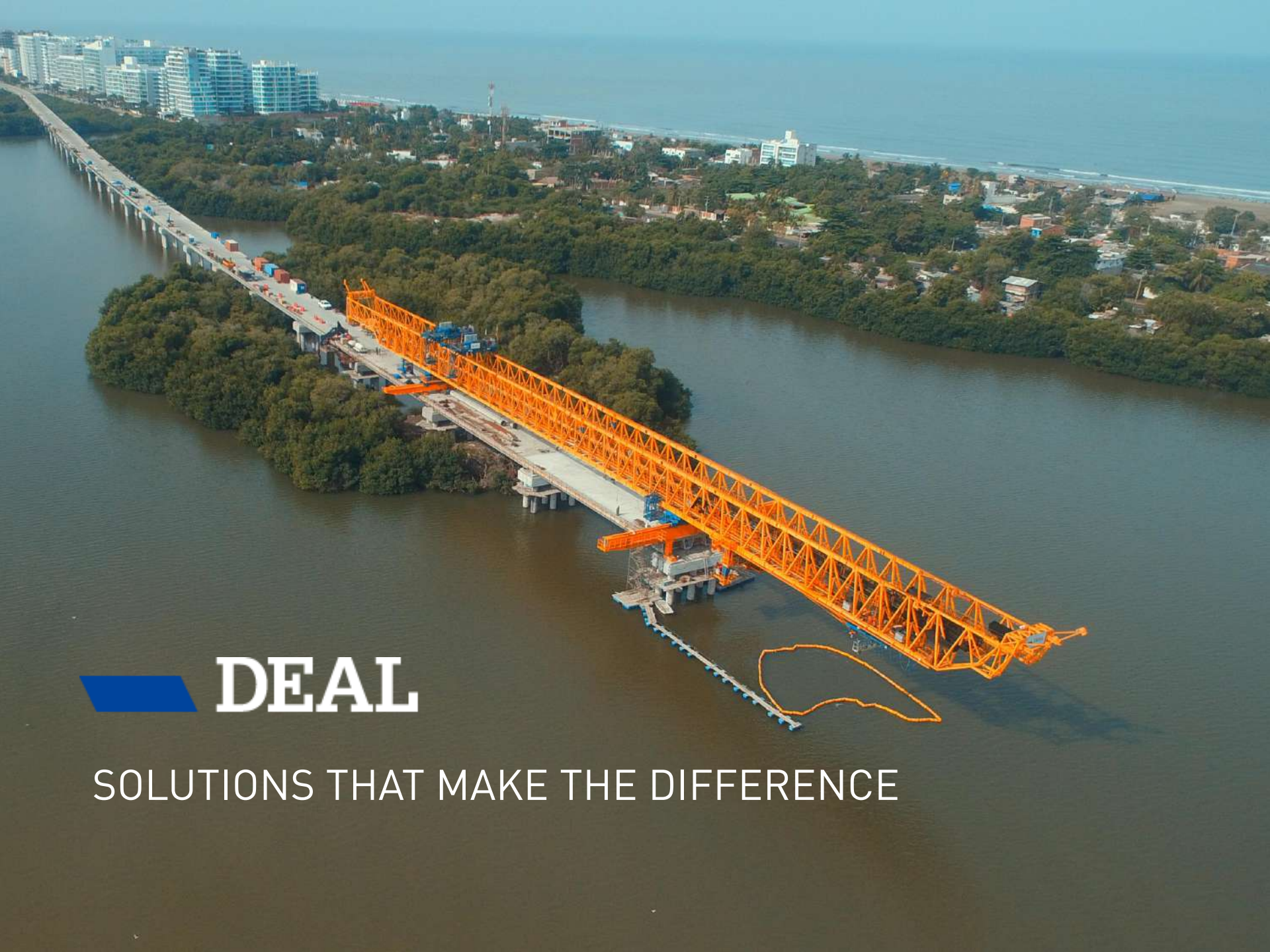
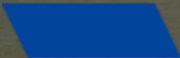




Company Profile – 2026

Engineering and special equipment for bridge and viaduct construction.



 **DEAL**

SOLUTIONS THAT MAKE THE DIFFERENCE

Section 1 - Index

- History
- Group's overview
- Worldwide
- Core Business
- Applications
- Team Organization

HISTORY

In more than 45 years of activity, DEAL has successfully faced many challenges and has gained experience in different construction fields, regulations and cultures.

1980

DEAL was established. A new support unit, specializing in high-technology design and manufacturing of innovative custom-built equipment for construction of bridges and viaducts.

1994

The company soon achieves astounding success in this high-value-added niche market and becomes a company operating worldwide and offering its custom-made services to external contractors as well.

2011

DEAL acquires Tensacciai srl, together are able to provide fully integrated engineering and equipment solutions that offer the best value proposals.

Today

Today, DEAL is world leader in the construction field, supported by the strong relation with Tensacciai, Rizzani de Eccher, and Spic.



GROUP'S OVERVIEW



Engineering & Special Equipment for Bridges & Viaducts.



General Contracting

- RdE Aus
- RdE Mex



Stay-cables, post tensioning, bearings, joints & anti-seismic devices.

GROUP'S OVERVIEW

In numbers

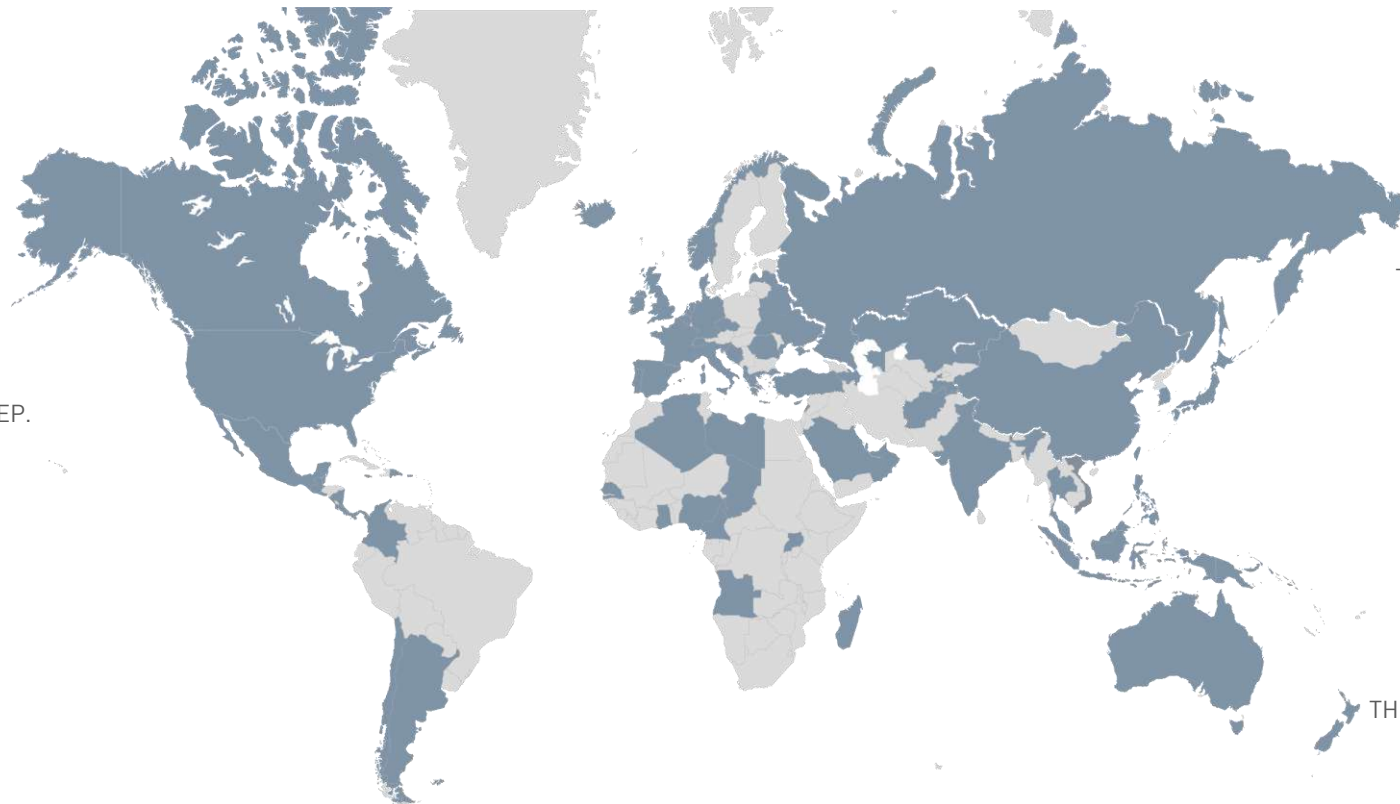


- ✓ WORLDWIDE CONSTRUCTION CONTRACTORS
- ✓ OPERATIONS IN 70 COUNTRIES
- ✓ OVER 300 PROJECTS SUCCESSFULLY COMPLETED

WORLDWIDE

International presence

AFGHANISTAN
 ALGERIA
 ANGOLA
 ARGENTINA
 AUSTRALIA
 AZERBAIJAN
 BAHRAIN
 BELARUS
 CAMEROON
 CANADA
 CHAD
 CHILE
 CHINA
 COLOMBIA
 COSTA RICA
 CROATIA
 CYPRUS
 DENMARK
 DOMINICAN REP.
 EGYPT
 EL SALVADOR
 FRANCE
 GERMANY
 GREECE
 GHANA
 HONDURAS
 HONG KONG
 ICELAND
 INDONESIA
 IRAQ
 IRELAND
 ITALY
 JAMAICA
 JAPAN
 KAZAKHSTAN
 KUWAIT
 LEBANON



LIBYA
 LUXEMBOURG
 MACEDONIA
 MADAGASCAR
 MALAYSIA
 MEXICO
 NEW ZEALAND
 NIGERIA
 NORWAY
 OMAN
 PANAMA
 THE PHILIPPINES
 PORTUGAL
 PUERTO RICO
 QATAR
 ROMANIA
 RUSSIA
 SAUDI ARABIA
 SENEGAL
 SINGAPORE
 SPAIN
 SOUTH KOREA
 SWITZERLAND
 TAIWAN
 TAJIKISTAN
 THAILAND
 THE NETHERLANDS
 TURKEY
 UAE
 UGANDA
 UKRAINE
 UNITED KINGDOM
 USA
 VIETNAM

Core Business

Civil Engineering

DEAL is a global leader in offering customized solutions for **bridge and viaduct** construction. With completed projects in more than 40 countries.

Based in Pozzuolo del Friuli (Udine), **DEAL** is active worldwide, providing value **Engineering Solutions for constructions** of bridges, viaducts and elevated structures for Light Metro Transit Systems.

Services, structure design and detailed **design of pre-fabrication systems**, design and supply of Specialised Equipment and Technical Assistance On-Site.

Core competencies include:

- Concept design
- Detailed design
- Geometry control
- Precast engineering



Core Business

Equipment supply

Developing construction methods and providing specialized equipment for **casting, lifting, handling, transport and installing concrete elements** and other components. **Experience, dedication, and qualification** are the key components which ensure that our services are delivered with the highest standards of quality and accuracy.

The most notorious products DEAL offers are:

- LANCHING GIRDERS
- PILE DRIVERS
- SHAFT GANTRIES
- TUNNEL INSTALLATION GANTRIES
- PRECAST MOULDS
- TRANSPORTERS & CARRIERS
- TECHNICAL ASSISTANCE



LAUNCHING GIRDERS

DEAL launching & erection equipment provides complete solutions for the construction of precast and cast-in-place bridge decks, enabling safe, efficient and highly controlled placement of segments, beams and full-span elements.

Designed for maximum **performance and versatility**, these systems support a wide range of **erection methods**, including span-by-span, balanced cantilever, full-span, **beam launching and incremental launching**, covering applications from long-span viaducts to high-speed railways and complex road bridges.

The most representative LAUNCHING GIRDERS variations are:

- LANCHING GIRDERS FOR SPAN BY SPAN
- LAUNCHING GIRDERS FOR CANTILEVER
- LAUNCHING GIRDERS FOR BEAM
- LAUNCHING GIRDERS FOR FULL SPAN



PILE DRIVERS

Pile drivers are construction machines used to **install piles** into the ground by driving them through impact, vibration, or static pressure, in order to transfer structural loads to deeper, more competent soil layers.

The pile driving system offers significant technical advantages. It allows precise and **deep pile installation** with minimal crew involvement, thanks to semi-automated and high-tech operations.

The system achieves high productivity while reducing construction time and improving safety. Most importantly, it minimizes environmental impact by eliminating temporary access structures, making it ideal for construction over wetlands and sensitive areas.

TOP-DOWN CONSTRUCTION METHOD



PRECASTING & FORMWORKS

Precasting and formwork systems are engineered to support the complete production cycle of reinforced concrete segments and structural elements. Designed for **efficiency** and **precision**, each solution provides a controlled environment for placing reinforcement, casting concrete, managing curing conditions, and safely demoulding the final product.

Depending on project requirements, the system can be configured for short-line production of **individual segments**, long-line casting of full spans, or the fabrication of beams and other specialized components.

These technologies are widely used in major infrastructure projects, including bridges, viaducts, tunnels, and precast industrial works, where consistent **quality, geometric accuracy**, and reliable cycle times are essential. By streamlining operations and enhancing repeatability, our equipment helps customers achieve higher productivity, **improved safety, and superior performance** from the first cast to final installation.

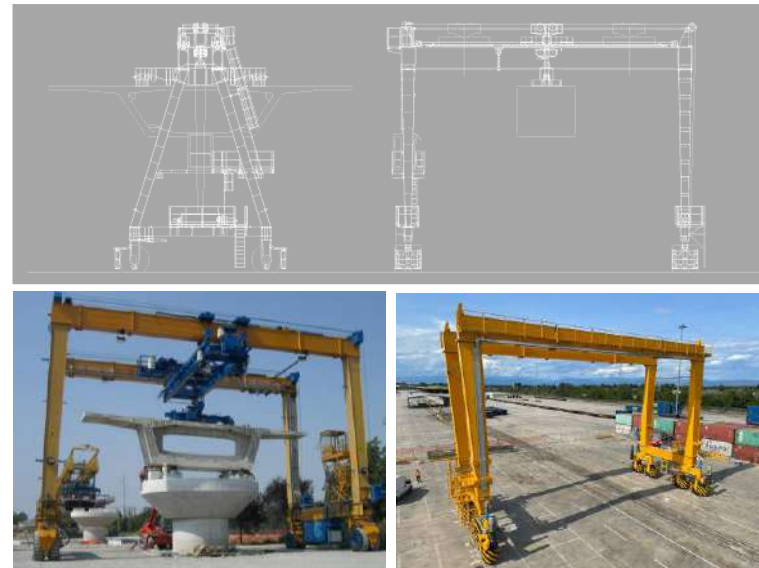


TRANSPORTERS & CARRIERS

A **transporter** is equipment specifically designed for on-site handling, short-distance movement, and precise positioning of heavy bridge and viaduct elements during construction. It is typically self-propelled and optimized for controlled, low-speed operations, allowing accurate alignment during erection, launching, or placement phases. Its primary role is construction handling rather than logistics transport.



A **carrier** is equipment primarily intended for the transportation of bridge components from one location to another, usually along predefined routes or access roads. It is designed to maximize payload capacity and travel efficiency, with limited capability for fine positioning. Its function is mainly logistical transport, delivering elements to the construction area rather than performing placement operations.



Applications

DEAL delivers its engineering solutions with the **highest standards of quality** and in a timely manner.



BRIDGES & VIADUCTS

Elevated structural positioning, high precision, and geometric control.



TUNNELS

Continuous horizontal advance, material flow management, and productivity.



SHAFT

Vertical material handling, safety, and controlled lifting operations.

Team Organization

Our success relies on the combination of a wide spectrum of skills in possession of our collaborators and decades of experience in the sector.

Operations

Project Management (PM)

- Management of contracts and **project execution**.
- Coordination of **relationships with clients and stakeholders**.
- **Coordination of suppliers** and subcontractors.
- Planning and **control of project** scope, schedule, costs, and resources.

Supervisors and Technicians

- **Primary operational point** of contact with the client.
- **On-site activities**, including **assembly, commissioning**, and technical support.
- Post-commissioning **technical assistance for equipment operations**.

Technical Office

- **Design of equipment**.
- Preparation of operation and maintenance manuals.
- **Research & Development** activities, including product innovation and continuous improvement.
- **Product certifications** and compliance with accordance with specific country regulations (e.g., Canada, USA, EU, Australia).
- Factory acceptance and functional tests.
- **Definition of Quality Control Plan (QCP)**.
- **General Construction Requirement**.

Business Development

- Creation of competitive, value-driven **proposals for clients**.
- **Market analysis**, industry trend monitoring, and competitive positioning.
- Identification and development of new business **opportunities**.



Section 2 - Index

Core Business, product and services.

- Services
- Civil engineering
- Mobility infrastructures
- Equipment
- Technical assistance on-site

 **DEAL**

SERVICES

DEAL Services

Engineering and special equipment for bridge and viaduct construction

- DEAL provides value engineering solutions for the construction of bridges, viaducts and elevated structures for mobility infrastructures.
- The services range from permanent structure design and construction engineering of pre-fabrication and erection systems, to design and supply of specialized equipment, technical assistance on site until complete specialist subcontracting.



DEAL Services

Deal is a world leader in providing design and engineering services and custom-built special heavy equipment for the construction of bridges and viaducts of any complexity and size.

Deal's departments satisfies the Client with a complete set of services from the design stage to the equipment definition and supply, the construction engineering and until the assistance during Project development:

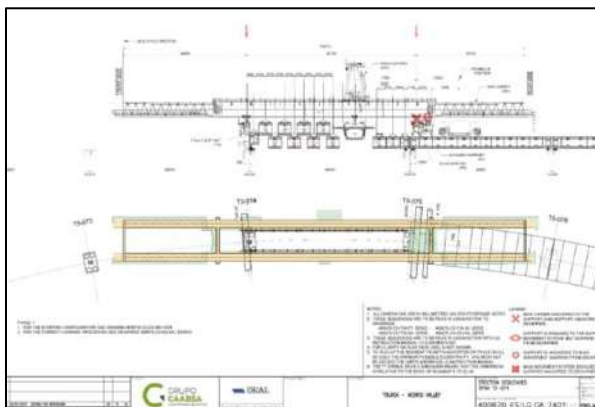
Equipment department

Design and fabrication of special equipment for precasting, handling and segments erection.



Civil engineering department

Value Engineering, design, construction engineering, shop drawings and dedicated software for geometry control



Technical assistance on site

Specialized technician and engineers availability.





CIVIL ENGINEERING

CIVIL ENGINEERING

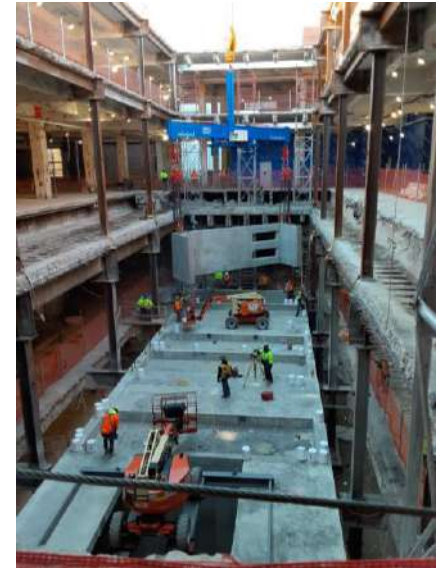
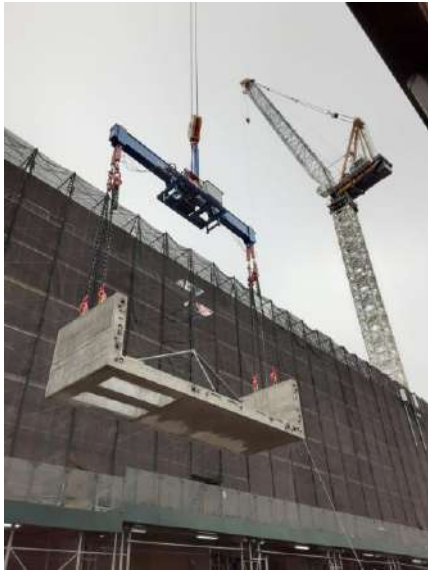
- ✓ VALUE ENGINEERING
- ✓ DESIGN
- ✓ CONSTRUCTION ENGINEERING
- ✓ SHOP DRAWINGS
- ✓ GEOMETRY CONTROL



CIVIL ENGINEERING DEPARTMENT

VALUE ENGINEERING

- alternative design solutions
- construction optimizations



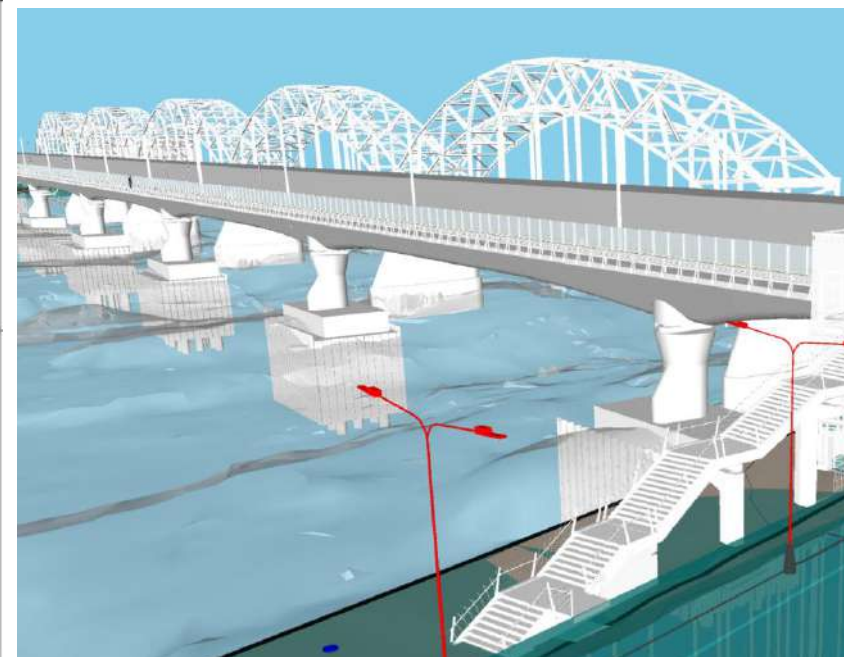
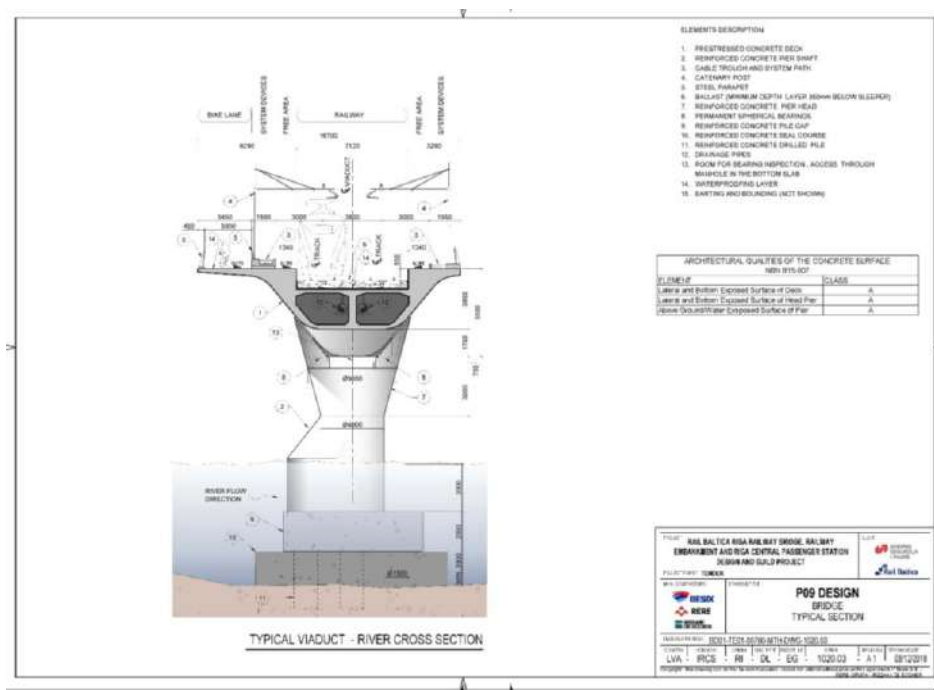
Precast Cores solution for Google headquarter building, Manhattan, New York, USA

Precast Segmental Technology applied to building core structure

CIVIL ENGINEERING DEPARTMENT

DESIGN

- preliminary design at tender stage
- detailed design
- developed in BIM

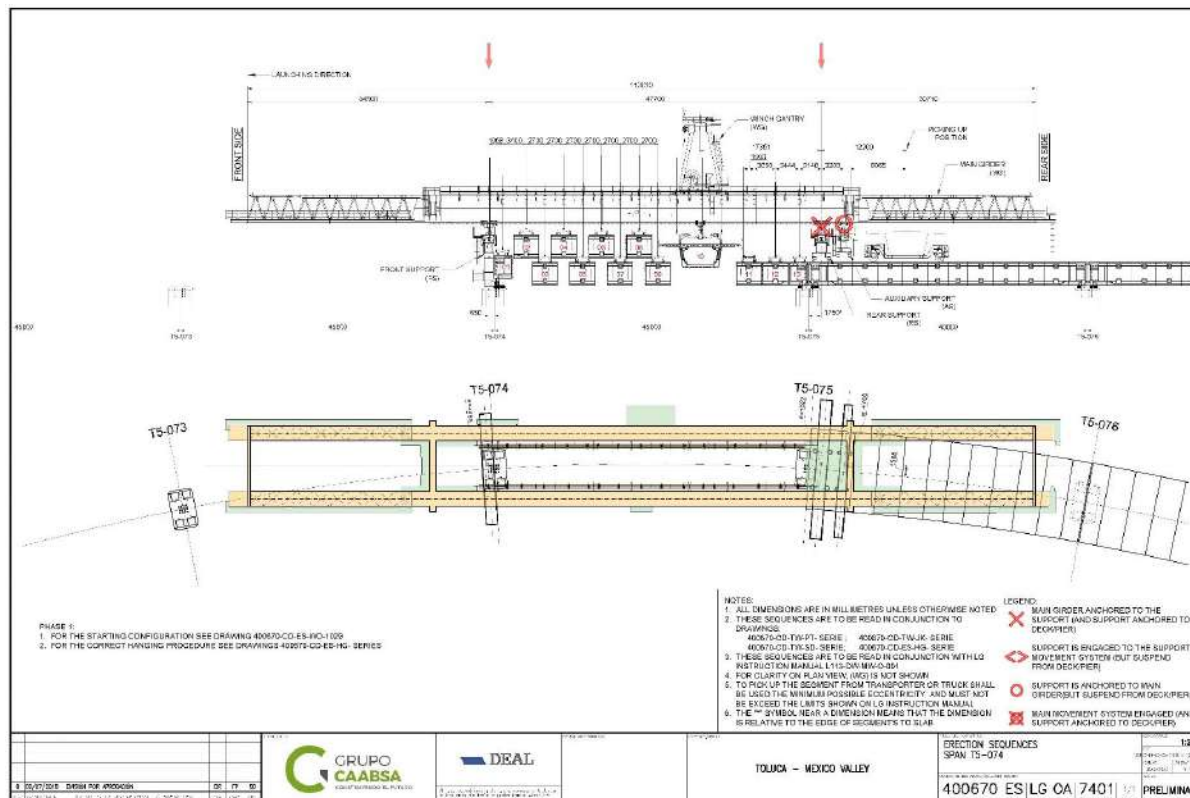


Preliminary and detailed design of Rail Baltica overpasses for Riga Central Station, Riga, Latvia

CIVIL ENGINEERING DEPARTMENT

CONSTRUCTION ENGINEERING

- erection sequences and reactions on deck
- method statements, procedures
- construction analysis, load transfer checks

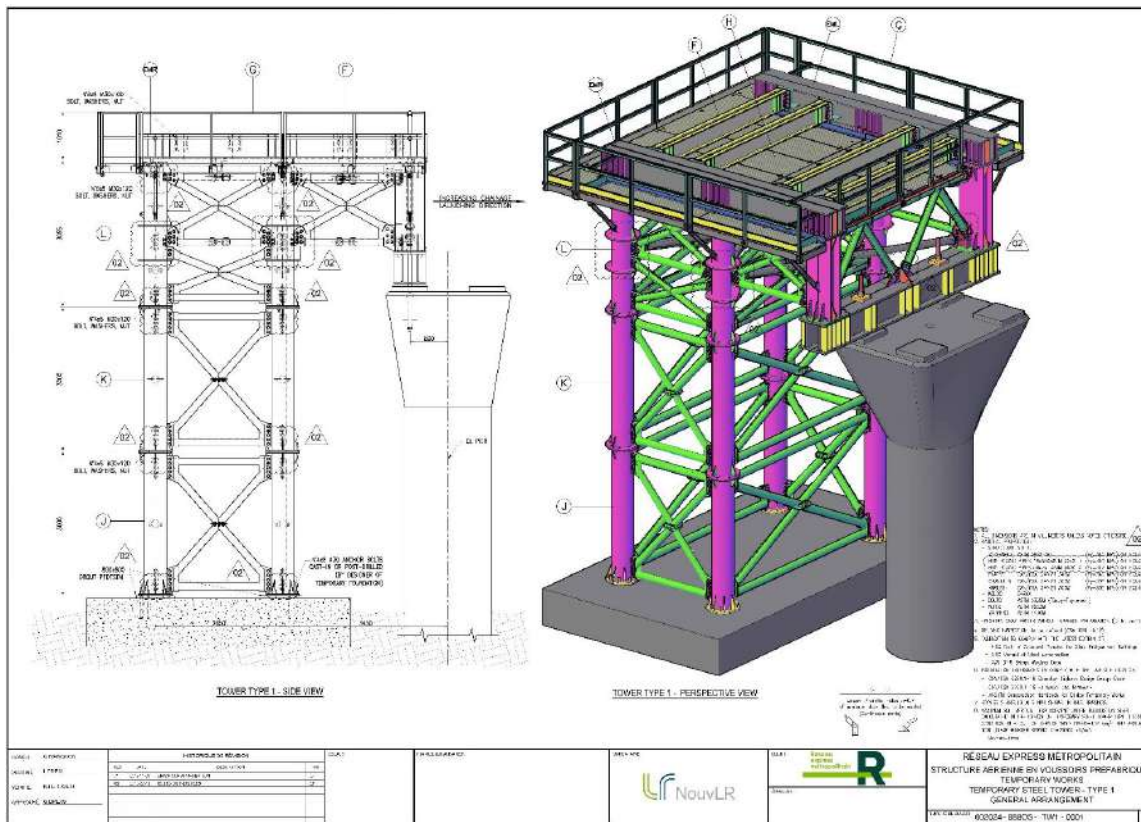


Erection Sequences for Tren Toluca, Mexico City, Mexico

CIVIL ENGINEERING DEPARTMENT

CONSTRUCTION ENGINEERING - Temporary Works

- temporary towers
- alignment beams



Temporary towers design for REM Metro Project, Montreal, Canada



Alignment beams for Orbital Road, Doha, Qatar

- precast yard logistics and organization
- foundations design
- rebar jigs design

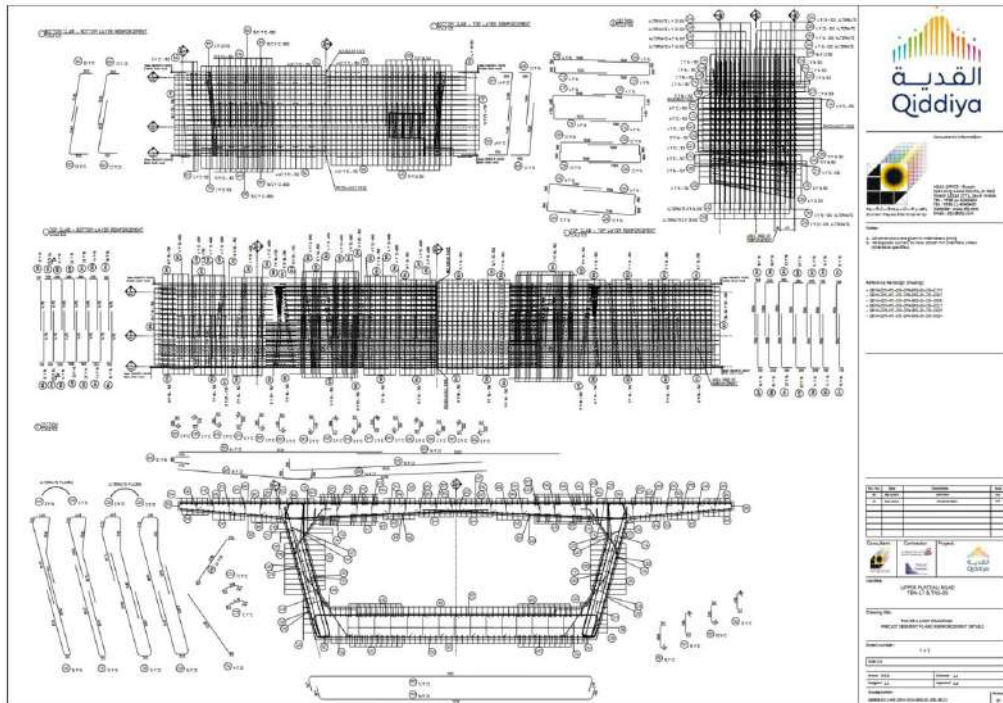


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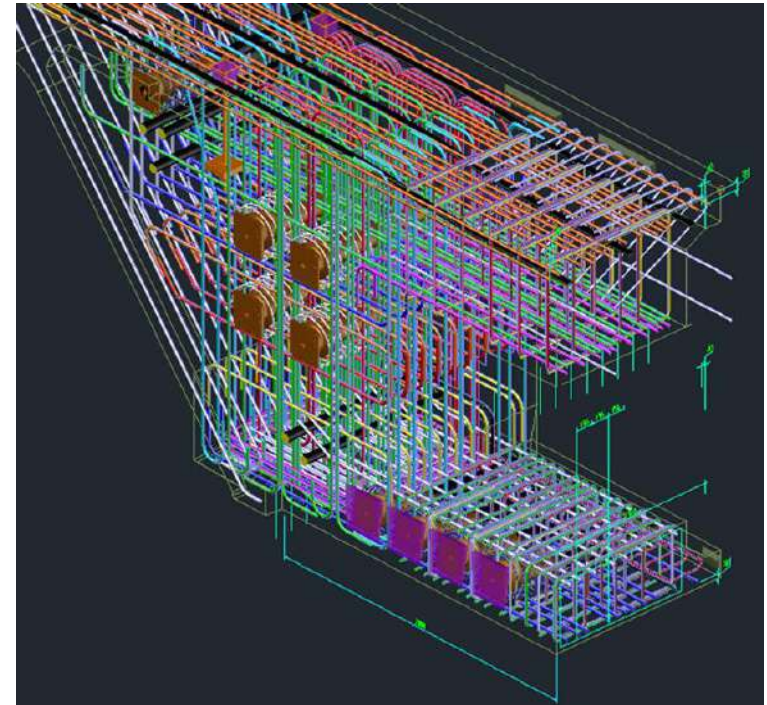
CIVIL ENGINEERING DEPARTMENT

SHOP DRAWINGS

- resolution of interferences
- constructability improvements
- developed in BIM



Shop Drawings for Qiddiya Project, Riyadh, Saudi Arabia

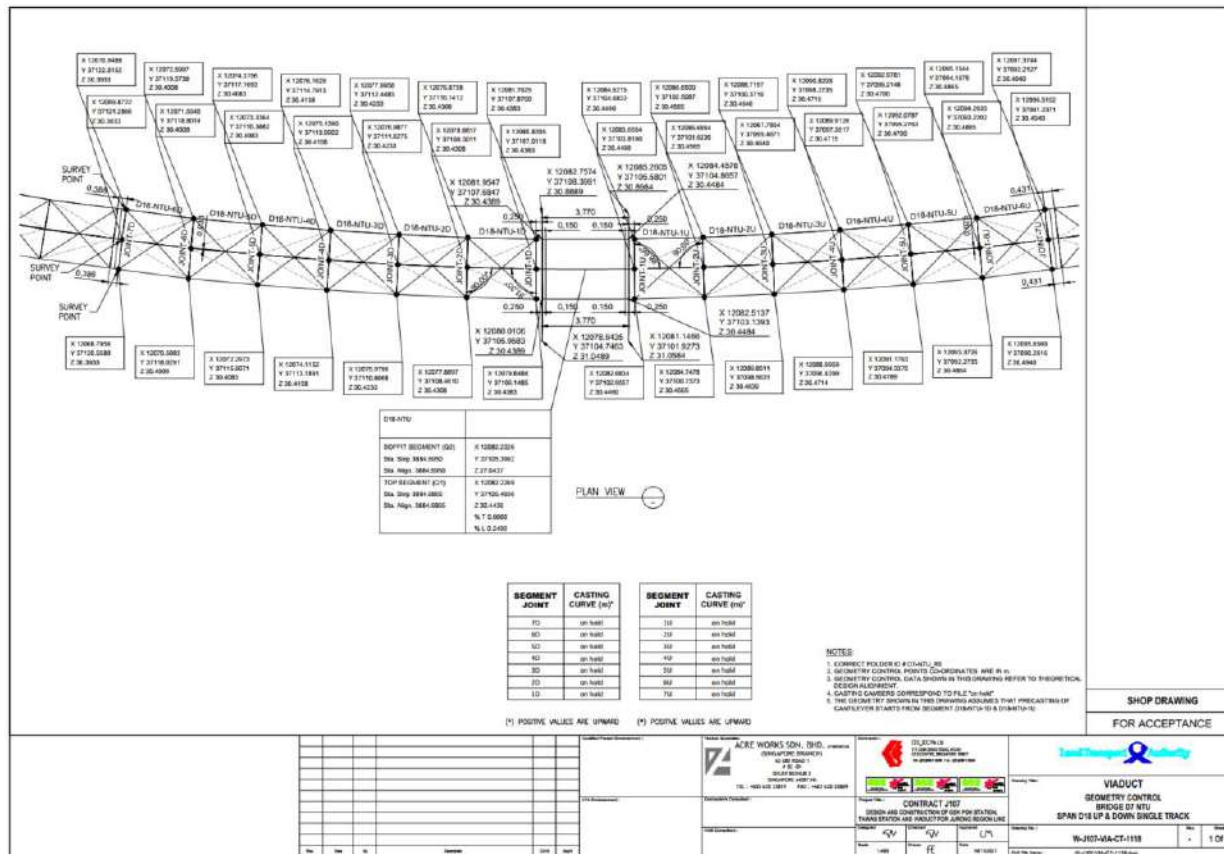


CIVIL ENGINEERING DEPARTMENT

GEOMETRY CONTROL

- independent check of bridge alignment
- control of geometry during segments prefabrication with dedicated software developed in-house
- control of geometry during erection

Geometry Control for Jurong Region Line, Singapore



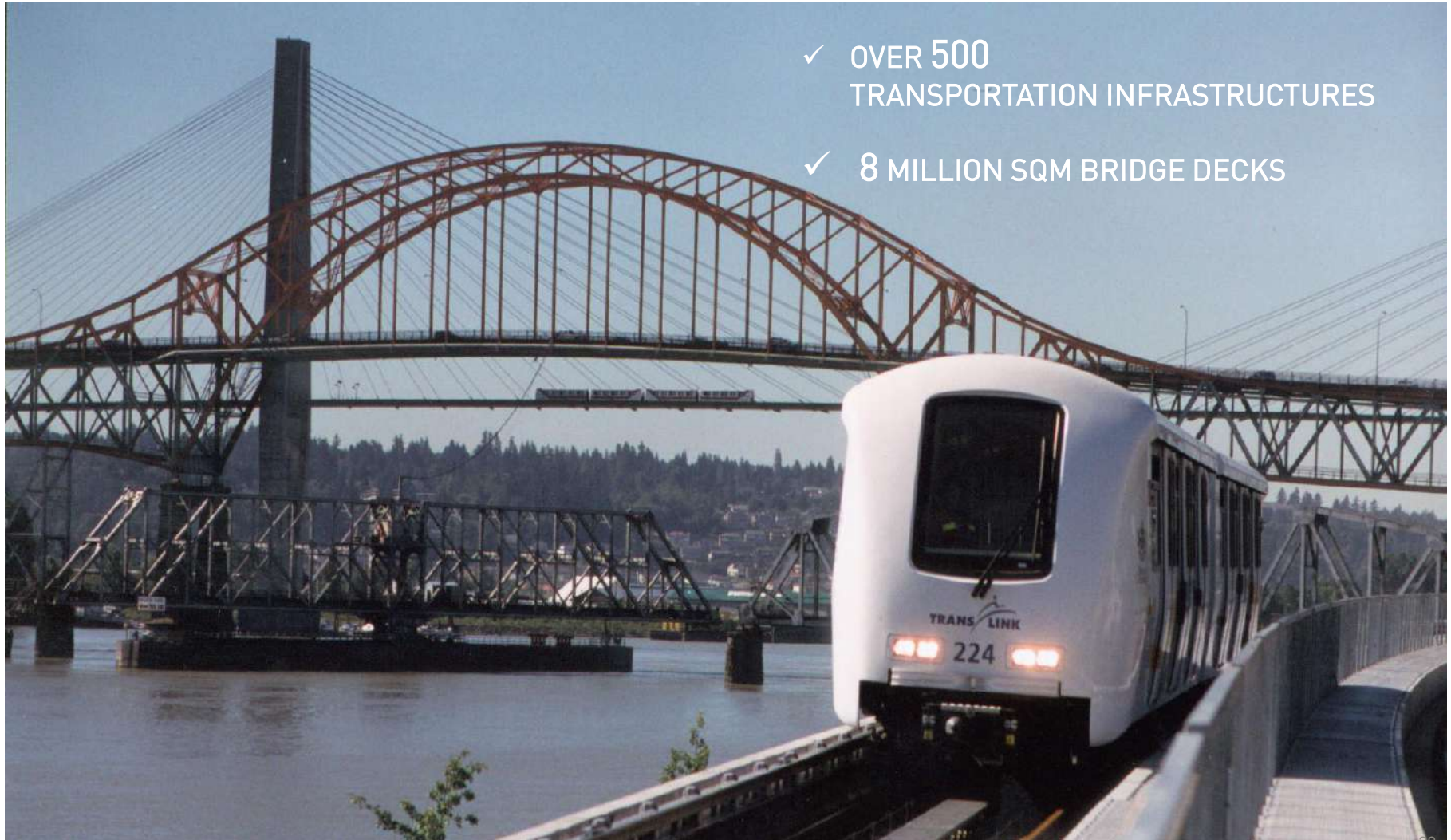


MOBILITY INFRASTRUCTURES

MOBILITY INFRASTRUCTURES

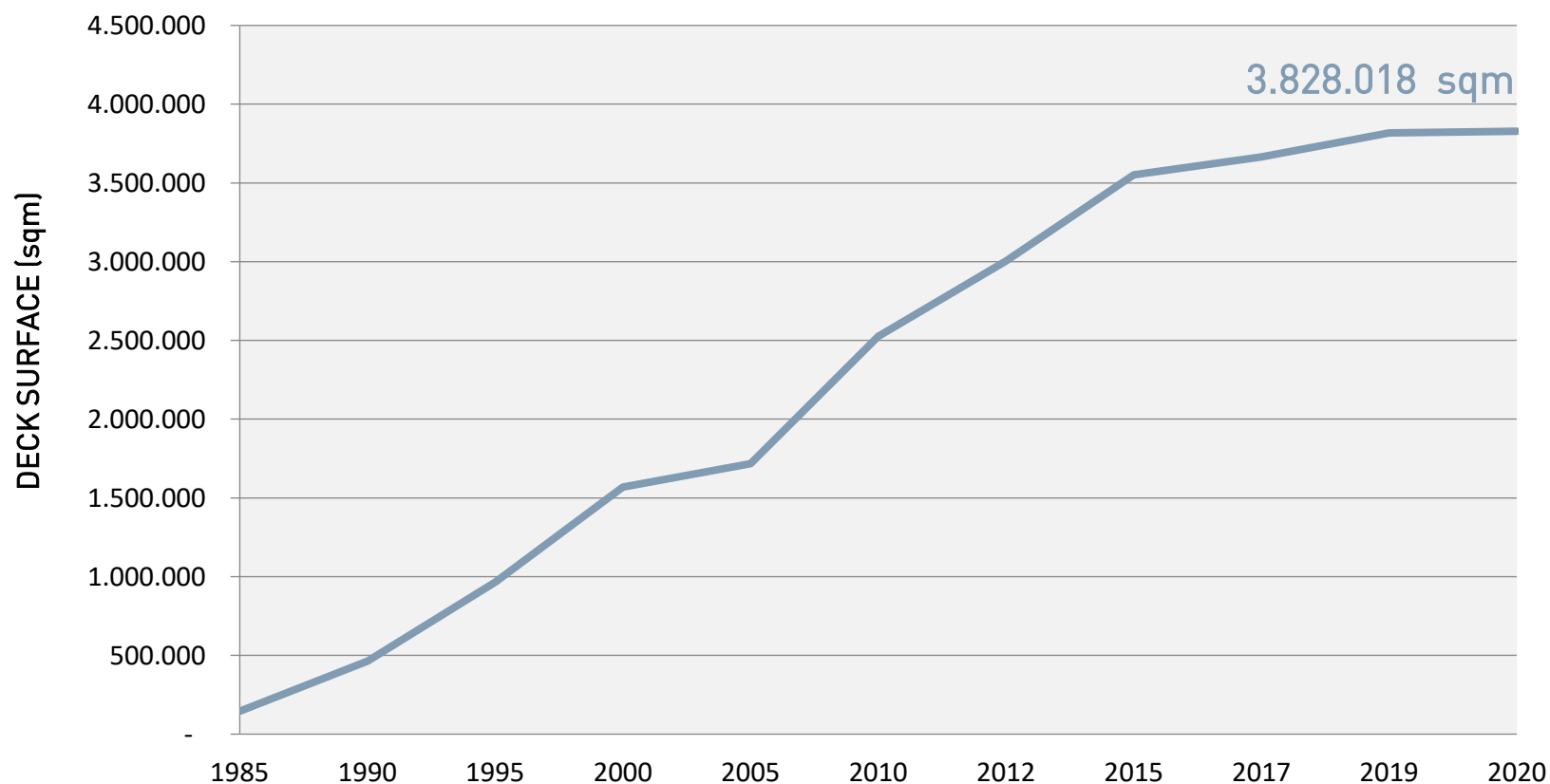
Numbers

- ✓ OVER 500
TRANSPORTATION INFRASTRUCTURES
- ✓ 8 MILLION SQM BRIDGE DECKS



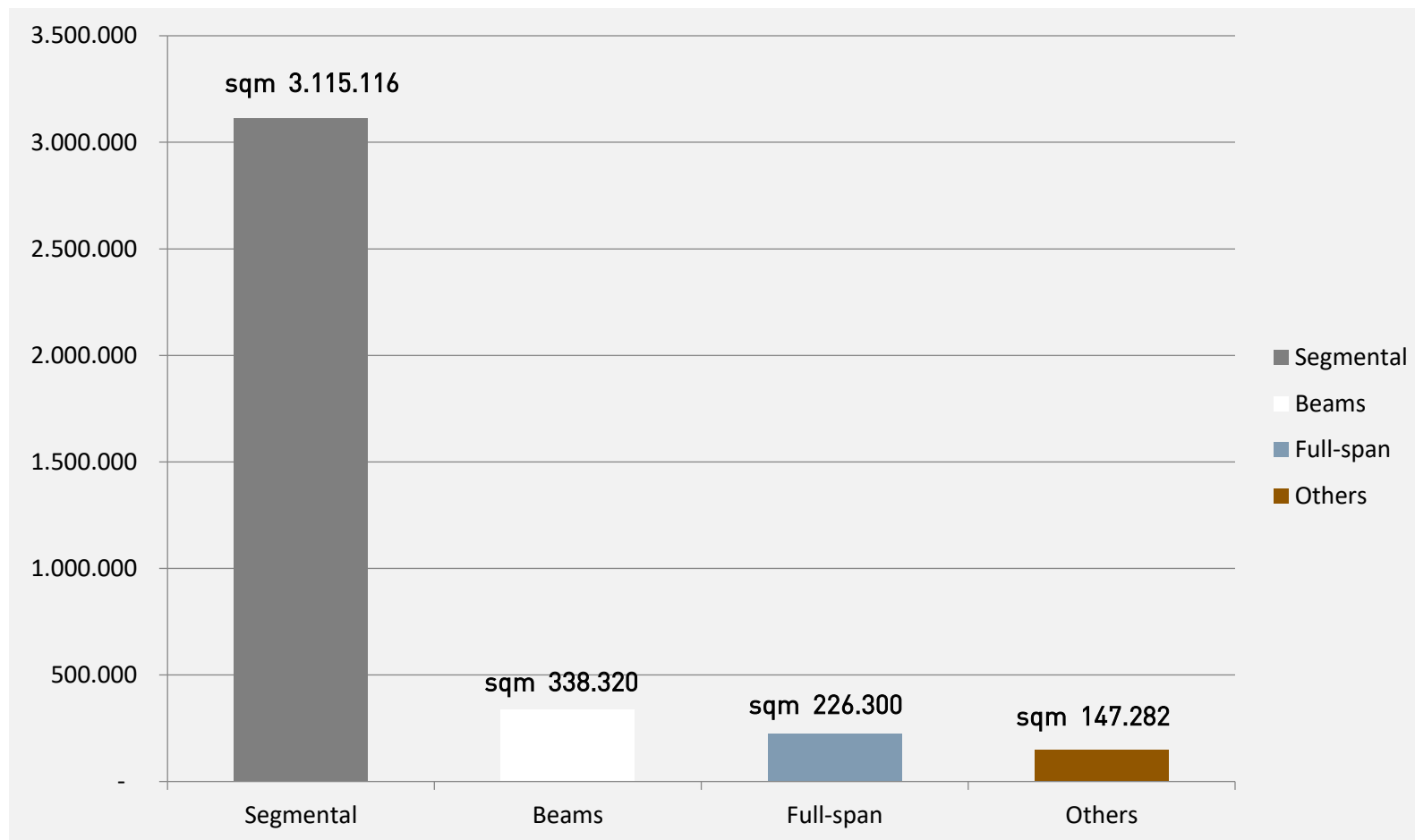
MOBILITY INFRASTRUCTURES

Bridges and viaducts contracting



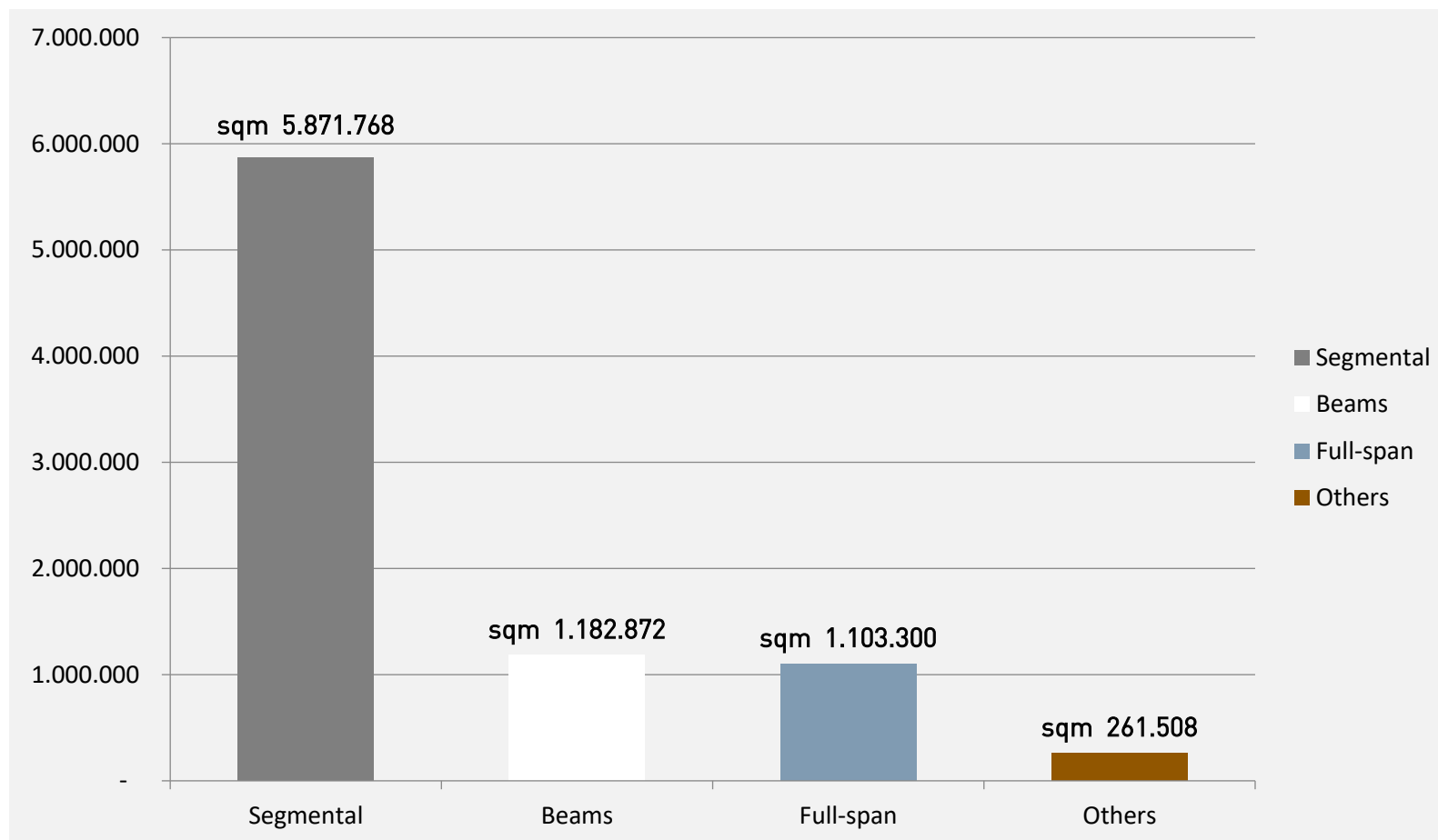
MOBILITY INFRASTRUCTURES

Surface by method 1980-2020 – Direct Construction



MOBILITY INFRASTRUCTURES

Surface by method 1980-2020 – Built with DEAL equipment



MOBILITY INFRASTRUCTURES

Projects overview – Motorway A20 Messina – Palermo, Italy



MOBILITY INFRASTRUCTURES

Projects overview - North Manama Causeway - Bahrain

3.9 km

90,000 sqm deck



MOBILITY INFRASTRUCTURES

Projects overview – Richmond-Vancouver Airport
Light Railway, Canada





EQUIPMENT

Bridge and viaduct deck construction



Span by Span launching method

Bridges & Viaduct deck construction

SPAN BY SPAN LAUNCHING METHOD

Projects overview – Middle East

Riyadh Metro Project - Riyadh, Saudi Arabia

- construction engineering & technical assistance
- no. 51 moulds
- no 15 launching gantries
- no. 6 gantry cranes
- no. 8 pairs of lifting frames
- no. 1 tilting system



SPAN BY SPAN LAUNCHING METHOD

Projects overview – Americas

REM metro, Montreal, Canada

- construction engineering & geometry control (150,000 sqm)
- no. 15 moulds
- no. 5 trolleys
- no. 2 launching gantries



SPAN BY SPAN LAUNCHING METHOD

Projects overview – Americas

Railway viaduct Mitre, Buenos Aires Argentina

- construction engineering, geometry contro, technical assistance
- no. 7 moulds
- no. 2 gantry cranes
- no. 1 launching girder



SPAN BY SPAN LAUNCHING METHOD

Projects overview – Asia

Second Penang Bridge, Malaysia

- no. 4 launching gantries





Full span launching method

Bridges & Viaduct deck construction

FULL SPAN LAUNCHING METHOD

Projects overview – Europe

High Speed Railway, Italy

- full span
- 250,000 sqm
- no. 2 launching gantries



FULL SPAN LAUNCHING METHOD

Projects overview – Asia

Hangzhou Bay Bridge, China

- Full span 1600ton
- no 1 launching gantry
- no.1 transporter
- no.4 straddle carriers
- no.2 gantry cranes

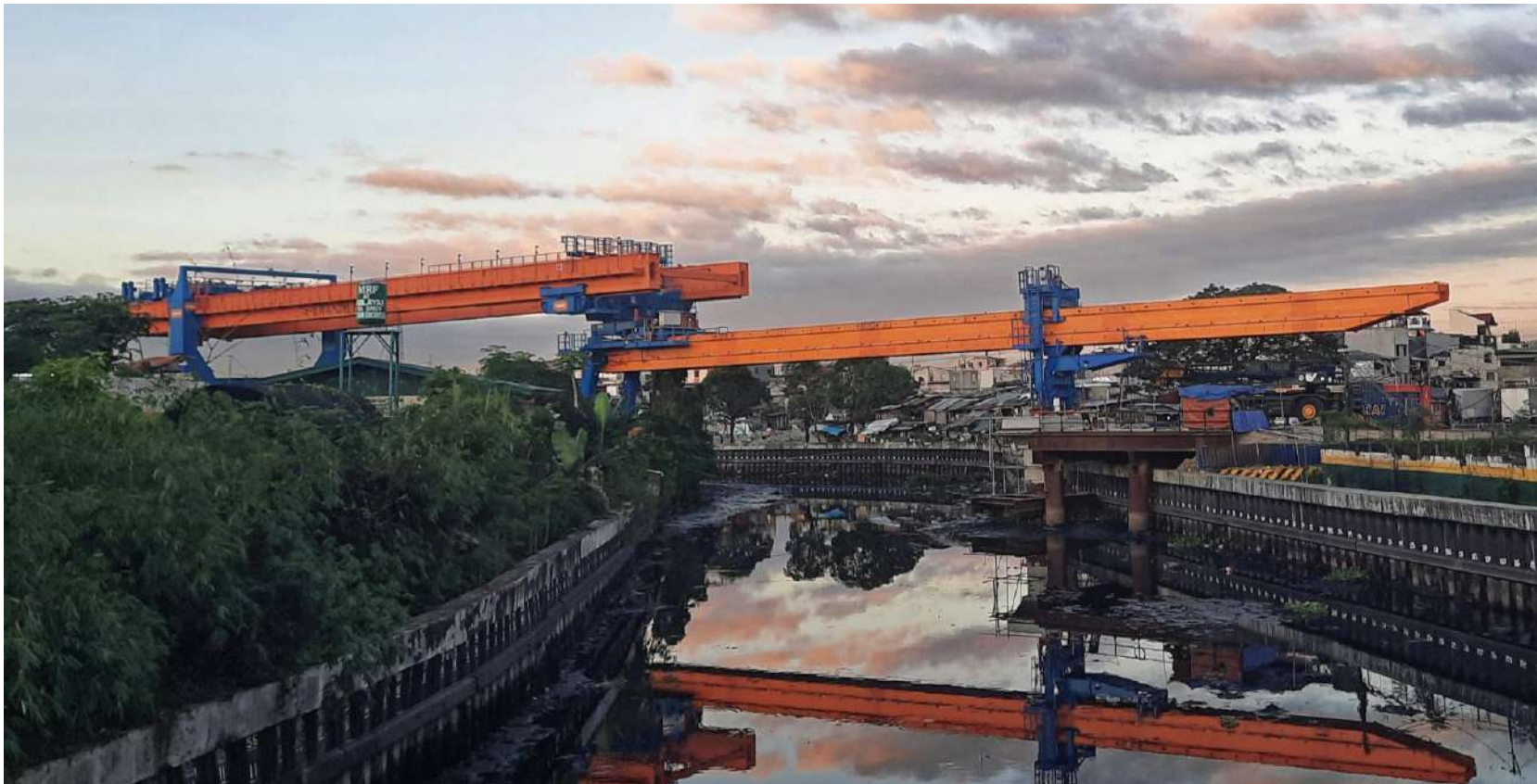


FULL SPAN LAUNCHING METHOD

Projects overview – Asia

LRT1 Cavite Extension - Manila, Philippines

- no. 1 launching gantry
- no. 1 transporter



FULL SPAN LAUNCHING METHOD

Projects overview – Oceania

Caulfieldn Dandengong rail upgrade, Melbourne, Australia

- no. 1 straddle carrier





Balanced cantilever launching method

Bridges & Viaduct deck construction

BALANCED CANTILEVER LAUNCHING METHOD

Projects overview – Asia

East Tsing Yi Viaduct, Hong Kong

- no. 1 launching gantry



BALANCED CANTILEVER LAUNCHING METHOD

Projects overview – Asia

Stonecutter bridge route 9, Hong Kong

- no. 2 launching gantries
- technical assistance



BALANCED CANTILEVER LAUNCHING METHOD

Projects overview – Americas

Richmond Airport LRT, Vancouver, Canada

- no. 2 launching gantries
- no. 11 moulds
- Design, construction engineering, geometry control



BALANCED CANTILEVER LAUNCHING METHOD

Projects overview – Americas

Oakland Bay Bridge, California, USA

- no. 1 straddle carrier 750 ton
- no. 3 moulds
- no. 2 gantry cranes





Lifting frames for cable stayed bridges

Bridges & Viaduct deck construction

LIFTING FRAMES FOR CABLE STAYED BRIDGES

Projects overview – Americas

Port Mann Bridge, Canada

- no. 1 launching gantry
- no. 1 pairs of lifting frames
- no. 1 straddle carrier
- moulds



LIFTING FRAMES FOR CABLE STAYED BRIDGES

Projects overview – Americas

Golden Ears Bridge, British Columbia, Canada

- lifting frame





Beam launching method

Bridges & Viaduct deck construction

BEAM LAUNCHING METHOD

Projects overview – Oceania

Second Range Crossing Viaduct, Toowoomba, Australia

- no. 1 launching gantry
- no. 2 straddle carriers
- technical assistance





Special applications using gantry cranes

Bridges & Viaduct deck construction

SPECIAL APPLICATIONS – GANTRY CRANES

Projects overview – Americas

Bridge on NC 12 over Pamlico Sound (Rodanthe), North Carolina, USA

- no. 4 gantry cranes
- no. 4 working platform
- no. 2 tilting system

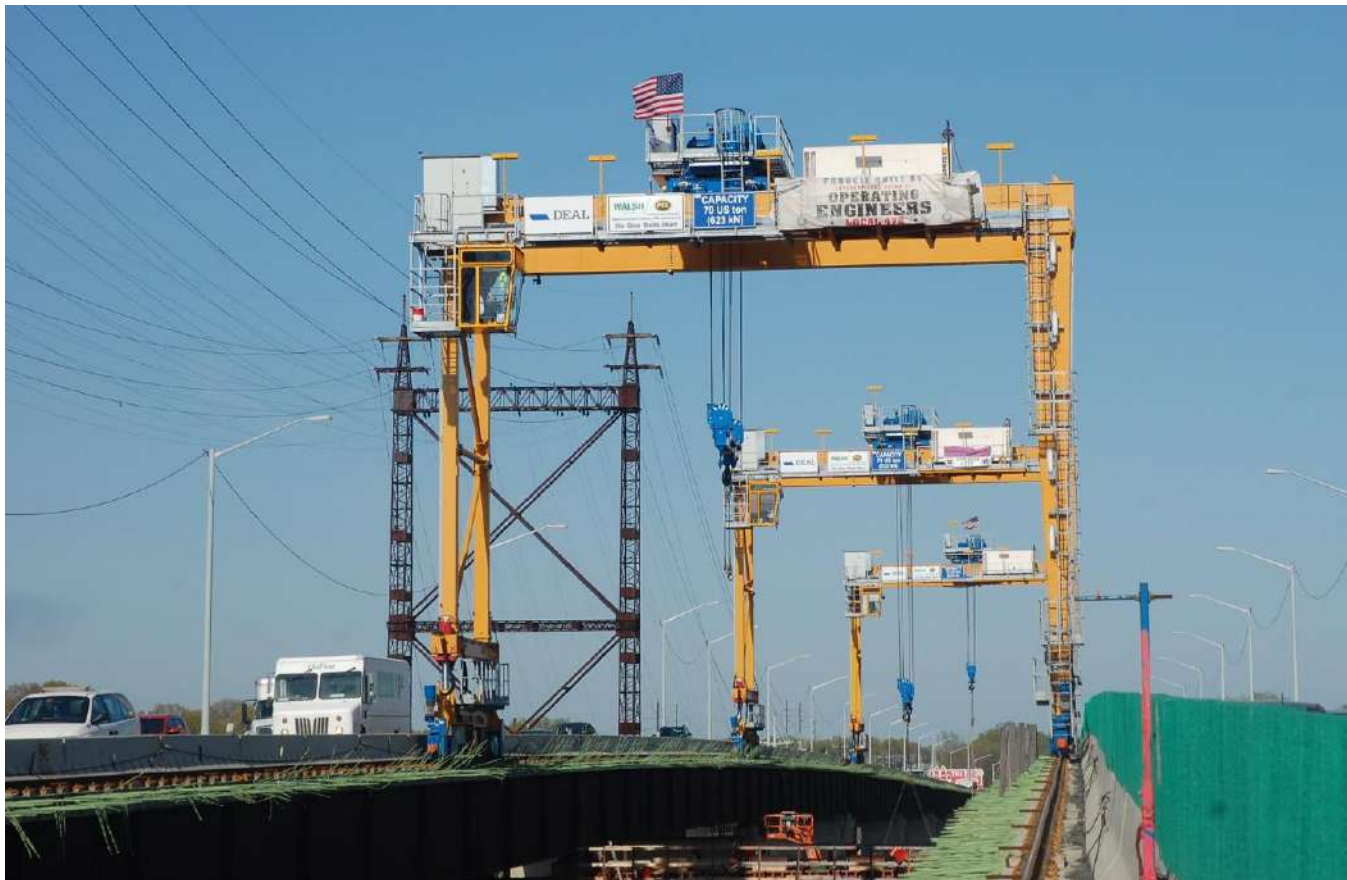


SPECIAL APPLICATIONS – GANTRY CRANES

Projects overview – Americas

Moses Wheeler Bridge Connecticut, USA

- no. 3 gantry cranes





Top-down construction method

Bridges & Viaduct deck construction

TOP-DOWN CONSTRUCTION METHOD

Projects overview – Americas

Gran Manglar Viaduct - Cartagena, Colombia

- no. 2 pile driving launching gantries
- no. 5 moulds
- no- 4 gantry cranes
- no. 2 straddle carriers



TOP-DOWN CONSTRUCTION METHOD

Projects overview – Americas

Washington Bypass Project - North Carolina, USA

- no. 1 pile driver launching gantry



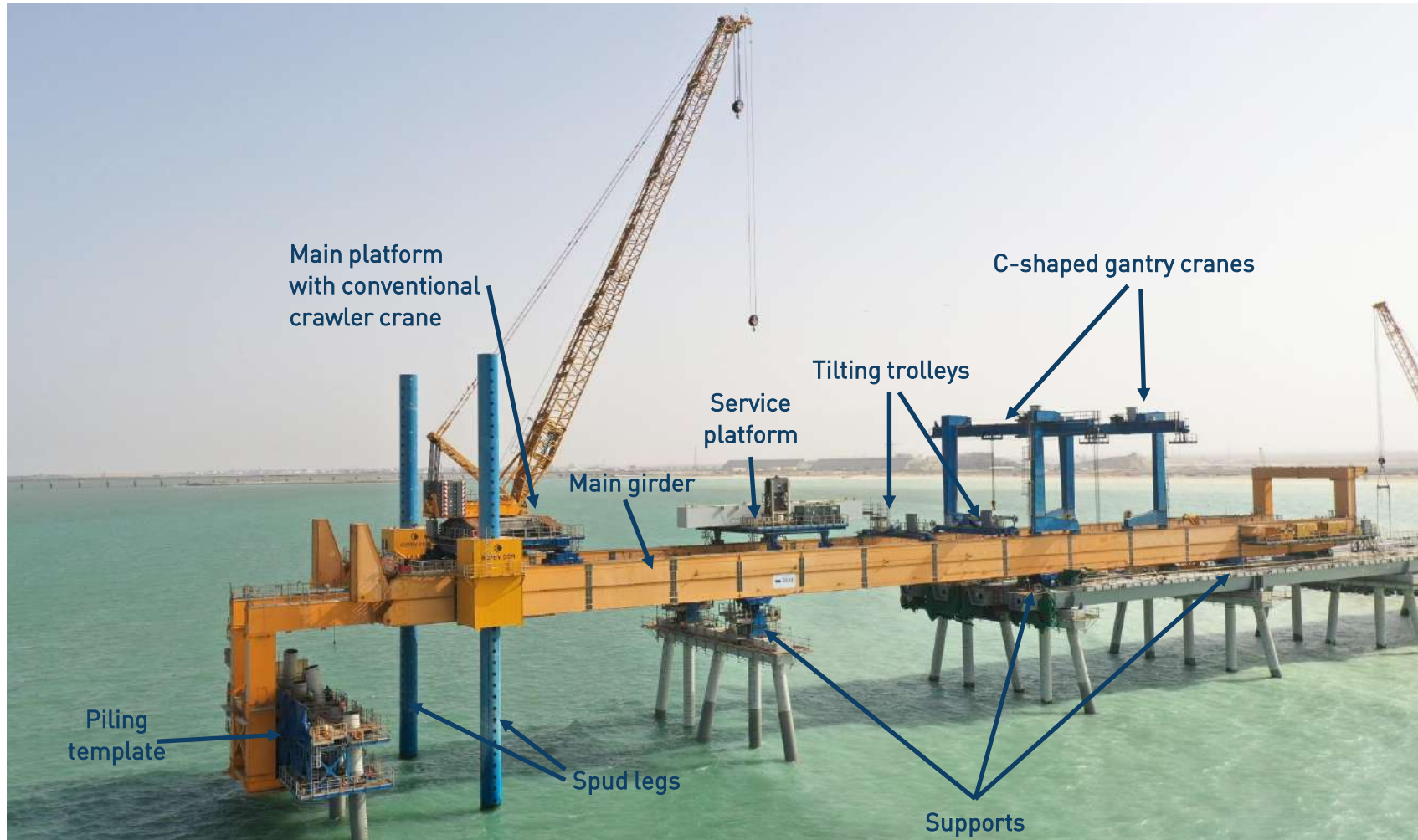
LG WITH LEAD SYSTEM (FOR PILE DRIVING)

Overview



LG WITH SPUD LEGS AND CONVENTIONAL MOBILE CRANE (FOR PILE DRIVING)

Overview



LG WITH DERRICK CRANE (FOR PILE DRIVING)

LG Assembled



LG WITH DERRICK CRANE (FOR PILE DRIVING)

During operations





Specially developed construction method

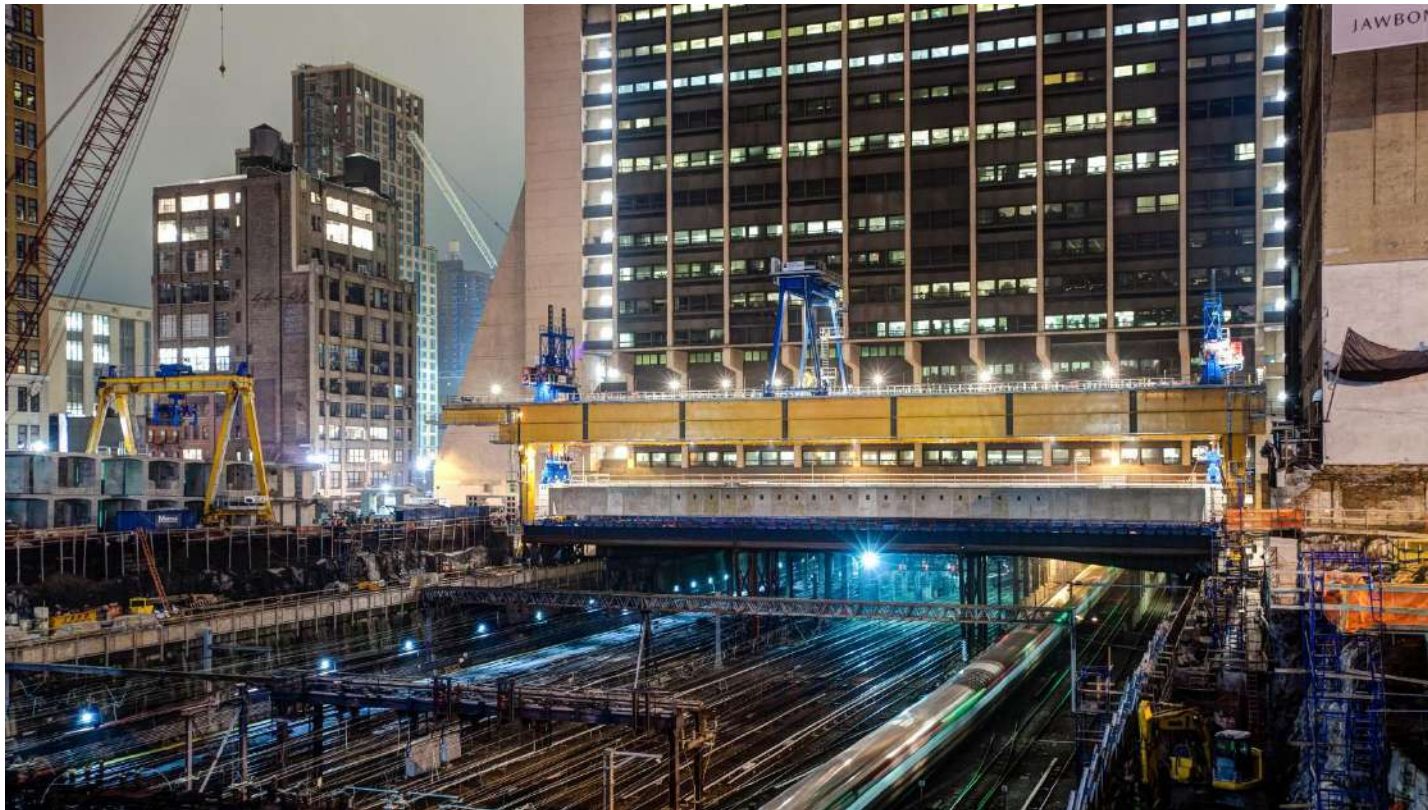
Bridges & Viaduct deck construction

SPECIAL DEVELOPED CONSTRUCTION METHOD

Projects overview – Americas

Manhattan West Development Platform - New York, USA

- 120,000 square foot deck
- Moulds
- no. 1 straddle carrier
- no. 1 erection gantry





Oil & Gas
Special equipment

OIL & GAS

Special equipment



Underwater spreader beam, El Ain Sokhna, Egypt



Trenching machine, Caspian Sea, Kazakhstan



Spooling winch, Korea



Spooling winch, Caspian Sea, Kazakhstan

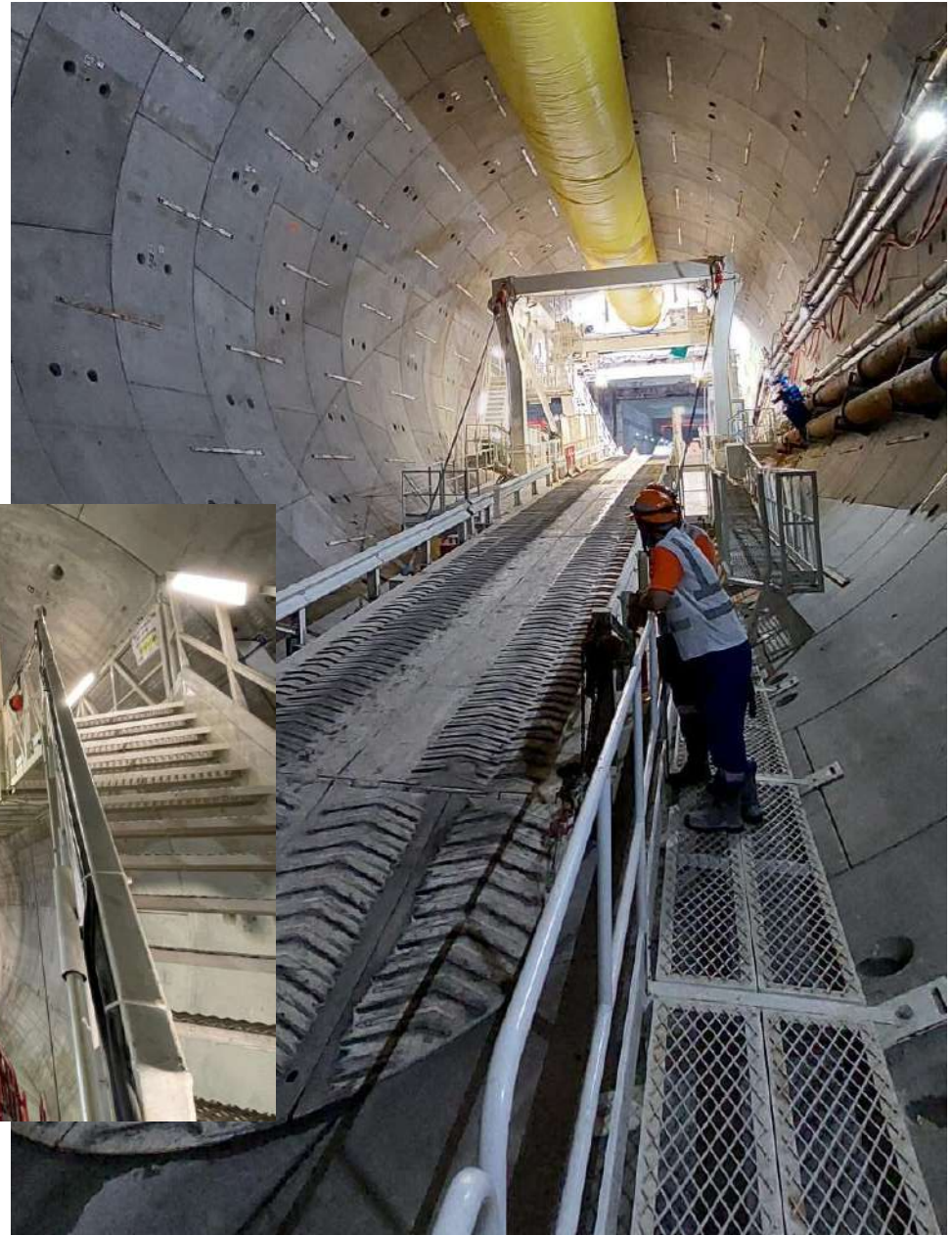


Underground works
Special equipment

UNDERGROUND WORK

ISIG – INTERNAL STRUCTURE INSTALLATION GANTRY

Trunk Road T2 at the Former
South Apron (Hong Kong);



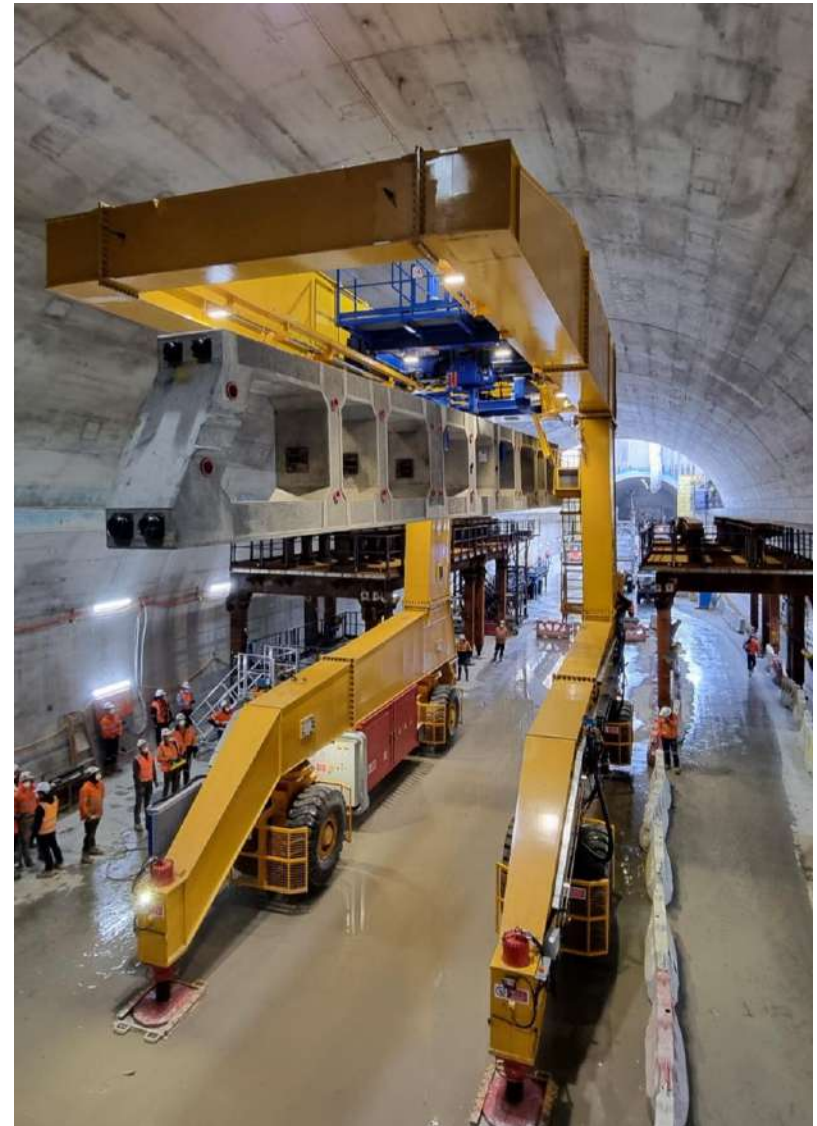
UNDERGROUND WORK

LONG LINE PRECAST SEGMENT MOULDS



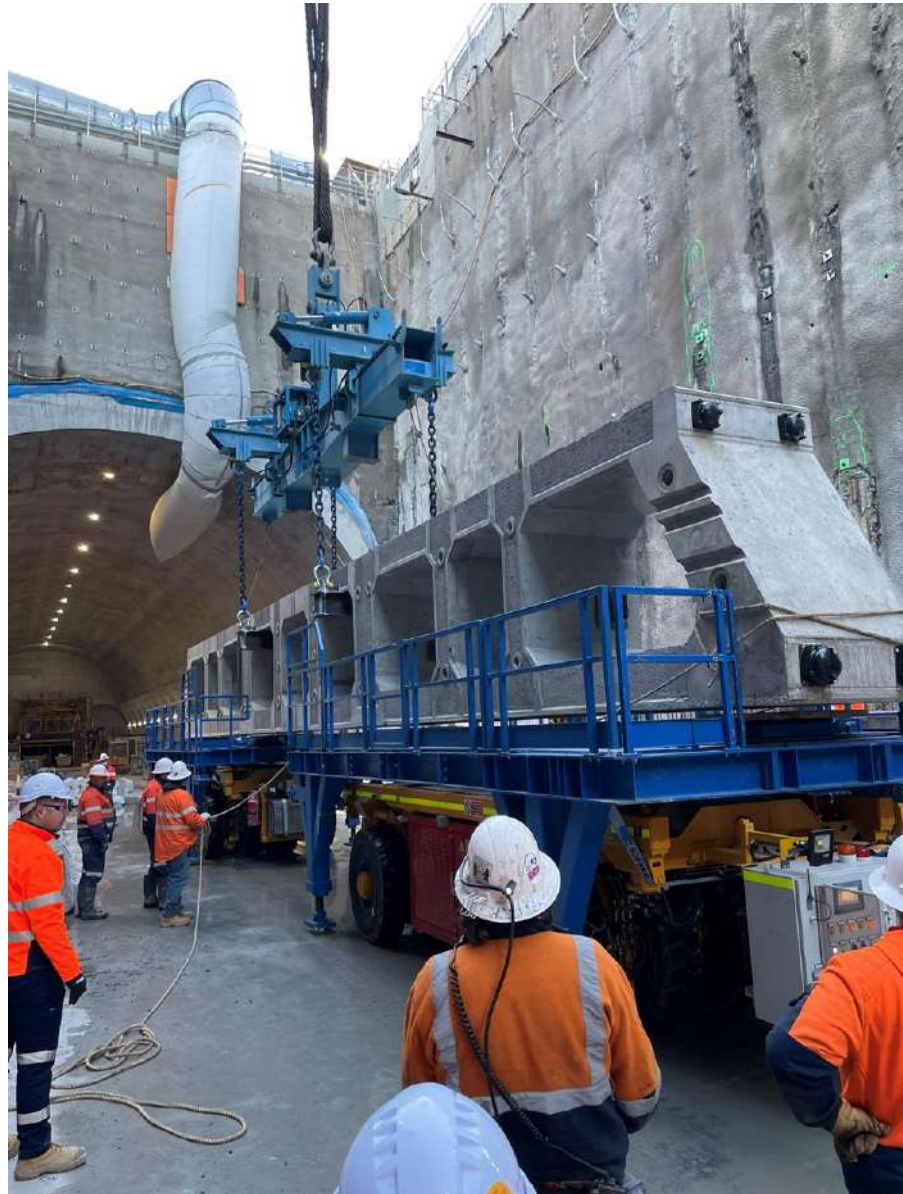
UNDERGROUND WORK

SEGMENT LOADERS



UNDERGROUND WORK

SELF PROPELLED TRANSPORTERS



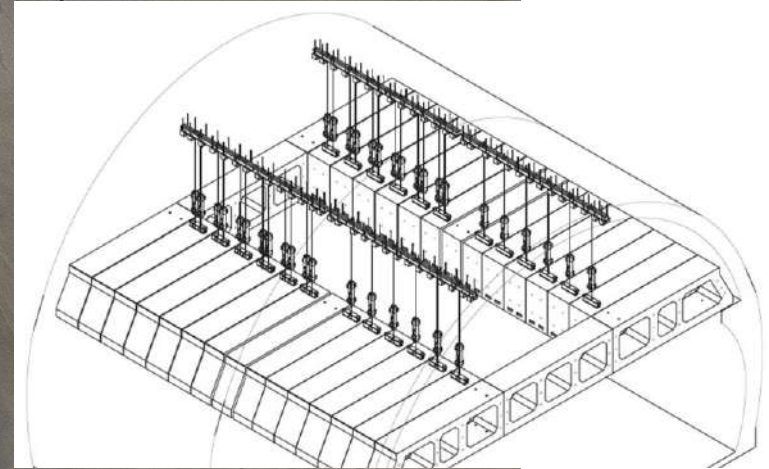
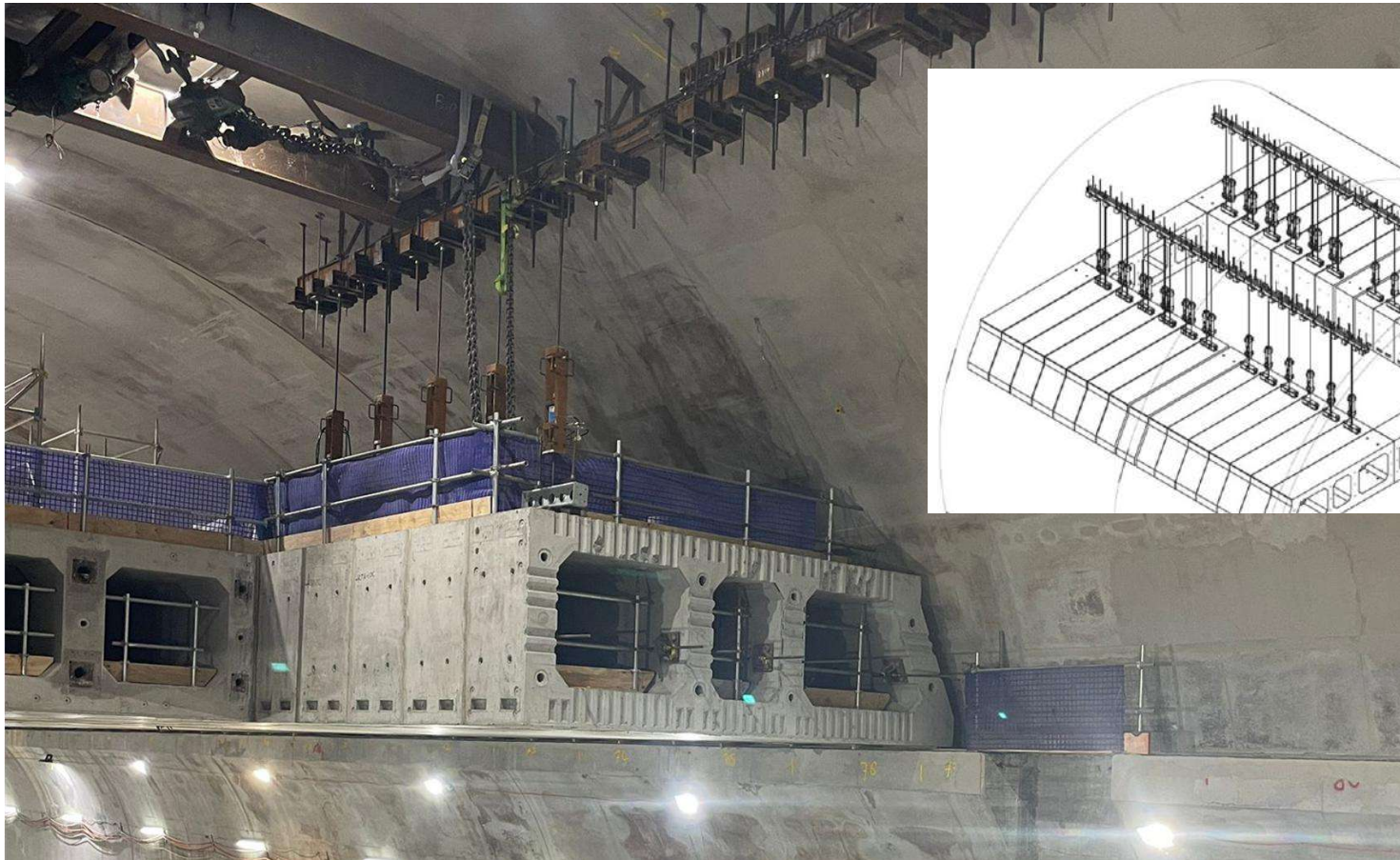
UNDERGROUND WORK

PROPS



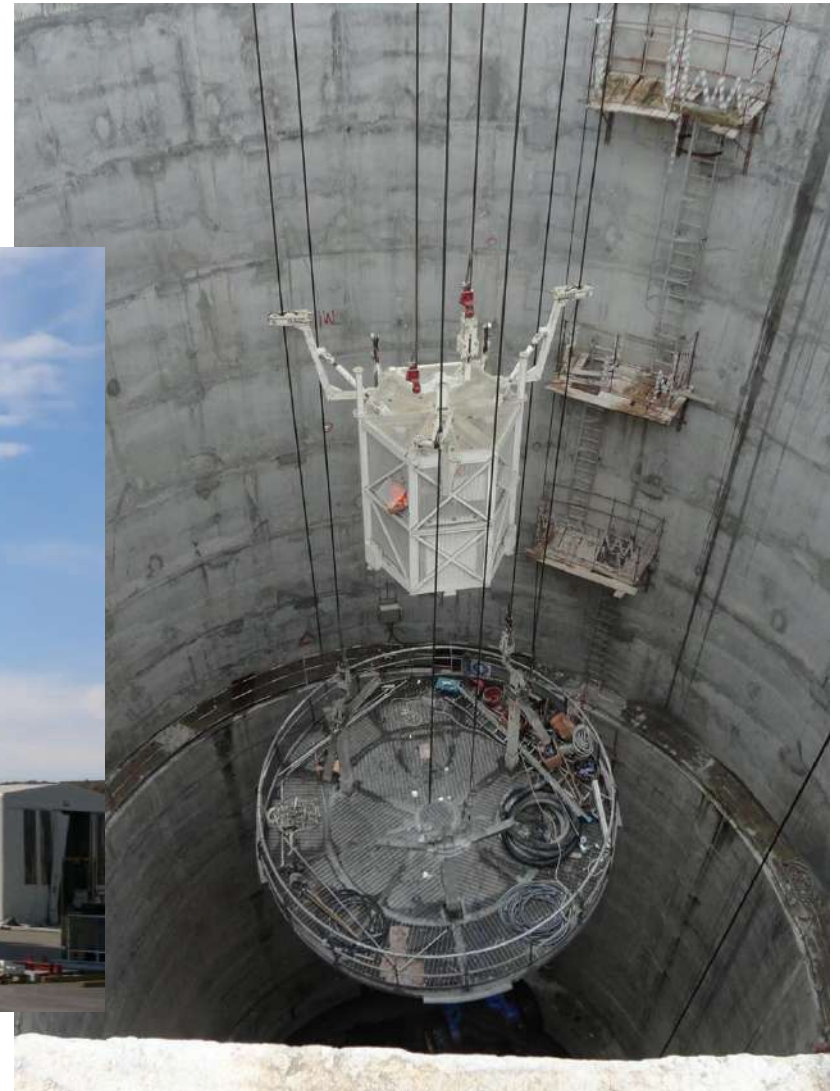
UNDERGROUND WORK

HANGERS



UNDERGROUND WORK

SHAFT GANTRY CRANES



UNDERGROUND WORK

SHAFT GANTRY CRANES



UNDERGROUND WORK

SHAFT GANTRY CRANES FOR MAINTENANCE





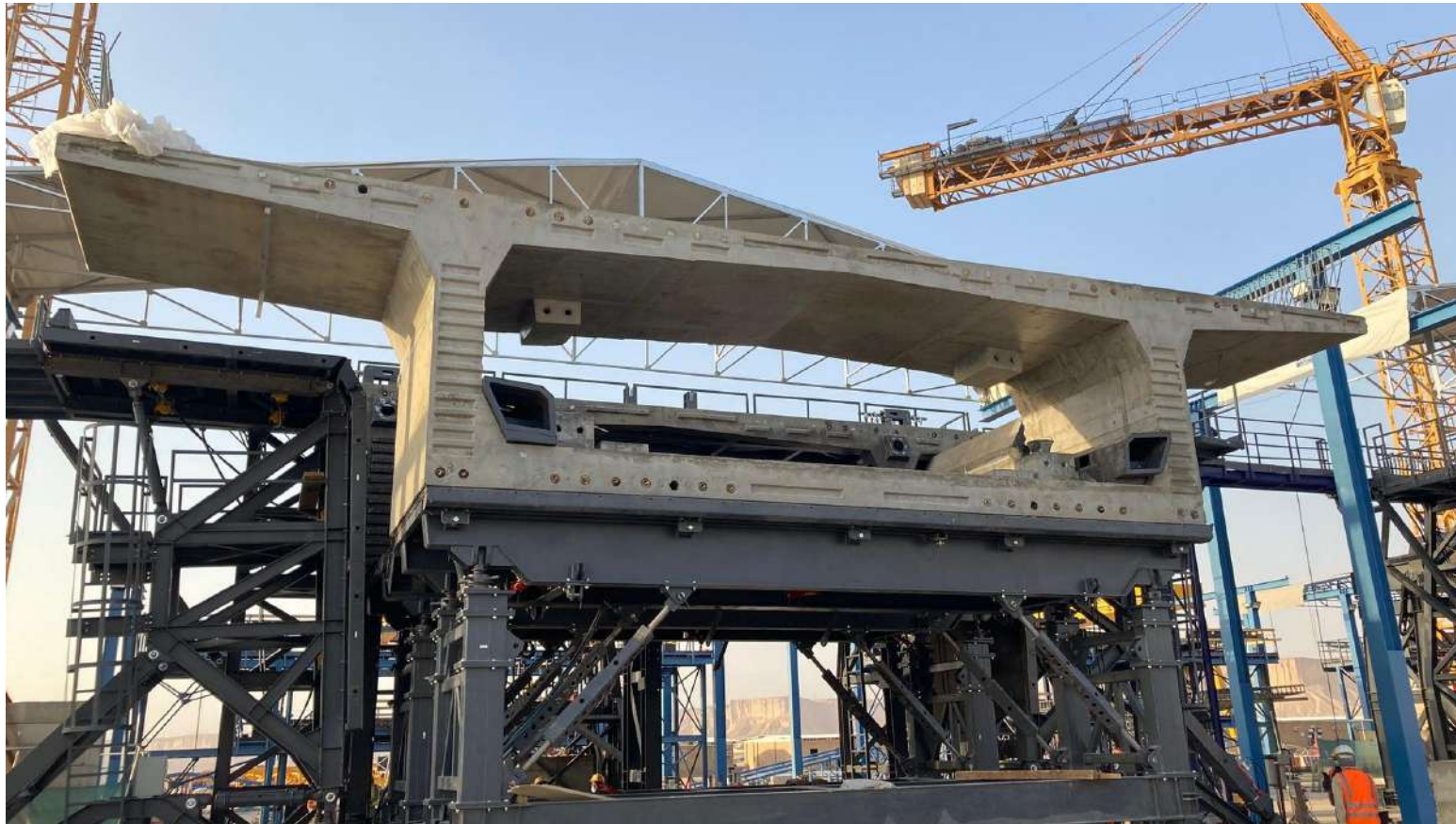
Special moulds for
prefabricated elements

MOULDS FOR PREFABRICATED ELEMENTS

Projects overview – Middle East

Al Qiddiya Project - Saudi Arabia

- Moulds
- gantry crane
- launching girder
- construction engineering, shop drawings, geometry control, technical assistance



MOULDS FOR PREFABRICATED ELEMENTS

Projects overview – Americas

Area rapid transportation, Honolulu, Hawaii USA

- no. 8 moulds
- no. 3 launching gantries
- no. 1 straddle carrier
- technical assistance



MOULDS FOR PREFABRICATED ELEMENTS

Projects overview – Americas



MOULDS FOR PREFABRICATED ELEMENTS

Projects overview – Americas

Sam Houston tollway ship channel bridge replacement, Texas, USA

- no. 2 straddle carriers
- no. 2 moulds
- no. 1 gantry crane





Technical Assistance On-Site

TECHNICAL ASSISTANCE

- ✓ SPECIALIZED TECHNICIANS
- ✓ EXPERIENCED ENGINEERS
- ✓ ASSURED AVAILABILITY



TECHNICAL ASSISTANCE

Projects overview – Middle East

Wadi Hanifa Bridge - Saudi Arabia

- technical assistance
Secondment of specialized personnell for precast and erection
- Moulds
- no. 1 launching gantry
- construction engineering, shop drawings, geometry control

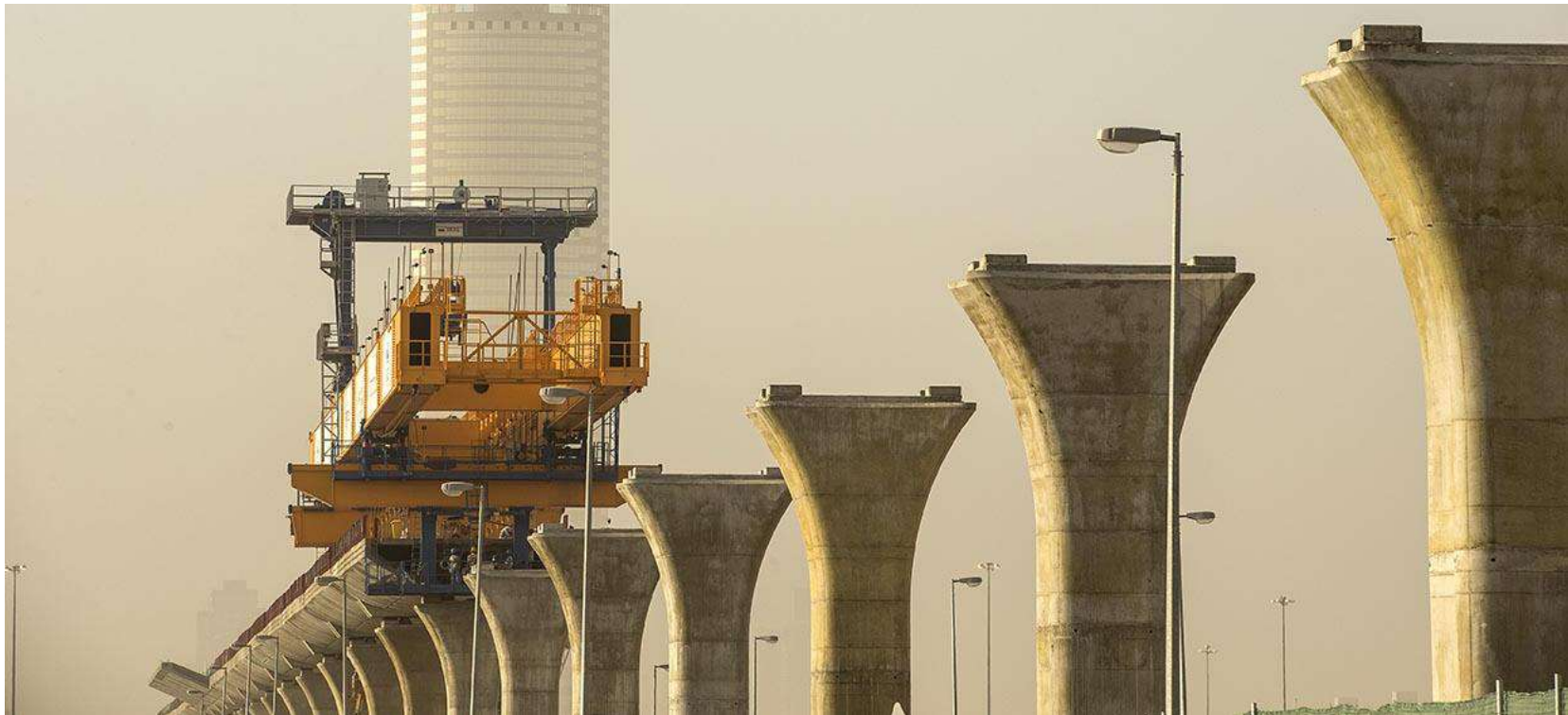


TECHNICAL ASSISTANCE

Projects overview – Middle East

Riyadh Metro Project - Riyadh, Saudi Arabia

- technical assistance & construction engineering
 - Secondment of specialized personell for managment and supervision of 5 erection fronts*
- no. 51 moulds
- no 15 launching gantries
- no. 6 gantry cranes
- no. 8 pairs of lifting frames
- no. 1 tilting system



TECHNICAL ASSISTANCE

Projects overview – Australia

South Road Superway - Adelaide, Australia

- Technical assistance, construction engineering, geometry control
Secondment of specialized personnell for erection
- no. 11 moulds
- no. 3 gantry cranes
- no. 1 straddle carrier
- no. 2 lifting frames
- no. 1 launching gantry



TECHNICAL ASSISTANCE

Projects overview – Americas

Area rapid transportation - Honolulu, Hawaii USA

- technical assistance
 - Secondment of specialized personnell for erection*
- no. 8 moulds
- no. 3 launching gantries
- no. 1 straddle carrier





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