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ESOLUTION CONSTRUCTION & ENGINEERING



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About Us



e-solution Construction & Engineering with its headquarter in USA- Ohio-Toledo and main branches in Saudi Arabia and Egypt Since 2004, we have been providing our clients with reliable solutions to their most complex construction challenges. Our strength lies in traditional construction methods and for our creative, fresh approach to cutting-edge technologies and delivery systems.



The people who make up the team at e-solution Construction & Engineering Company embody our values of strength, performance and passion. Our employees have strong connections to these ideas, which have contributed significantly to the progressive growth, success and leadership of our company. They have helped us develop the solutions, systems and project methods required to bring innovation, quality and value to the projects we deliver for our clients.



Our success is driven by our innovative solution to complex projects that met the client demands and within project budget. Our clients are turning to us for our ability to implement project management techniques and to serve as a reliable provider of knowledge-driven solutions for construction projects

OUR MISSION

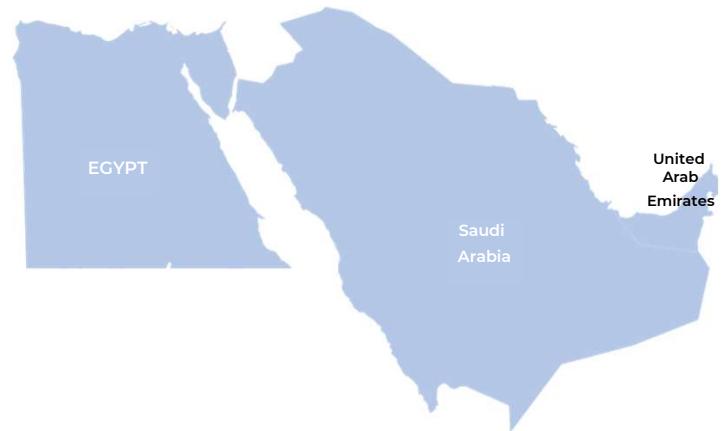
To be the leading organization by providing through innovation the most innovative solutions to the construction field, our pledge is to establish lasting relationships with our customers by exceeding their expectations and gaining their trust through exceptional performance by our construction team.

OUR VISION

To become the preferred supplier for employee info services and integrated solutions to our valued customers in the diversified market segments.



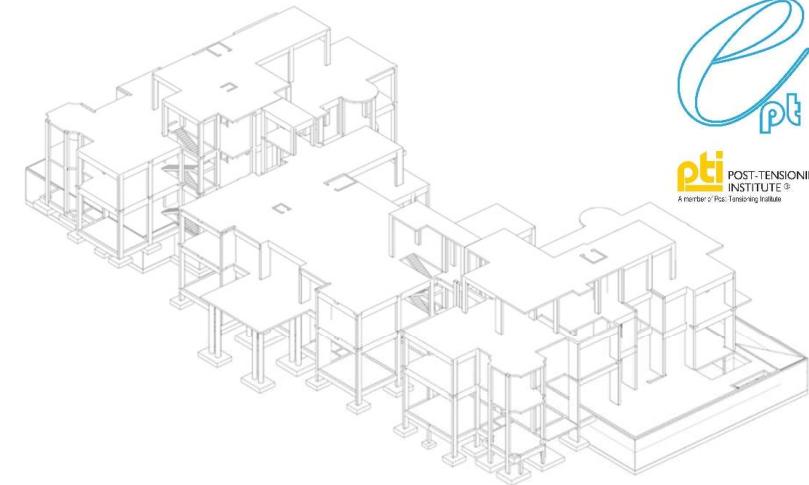
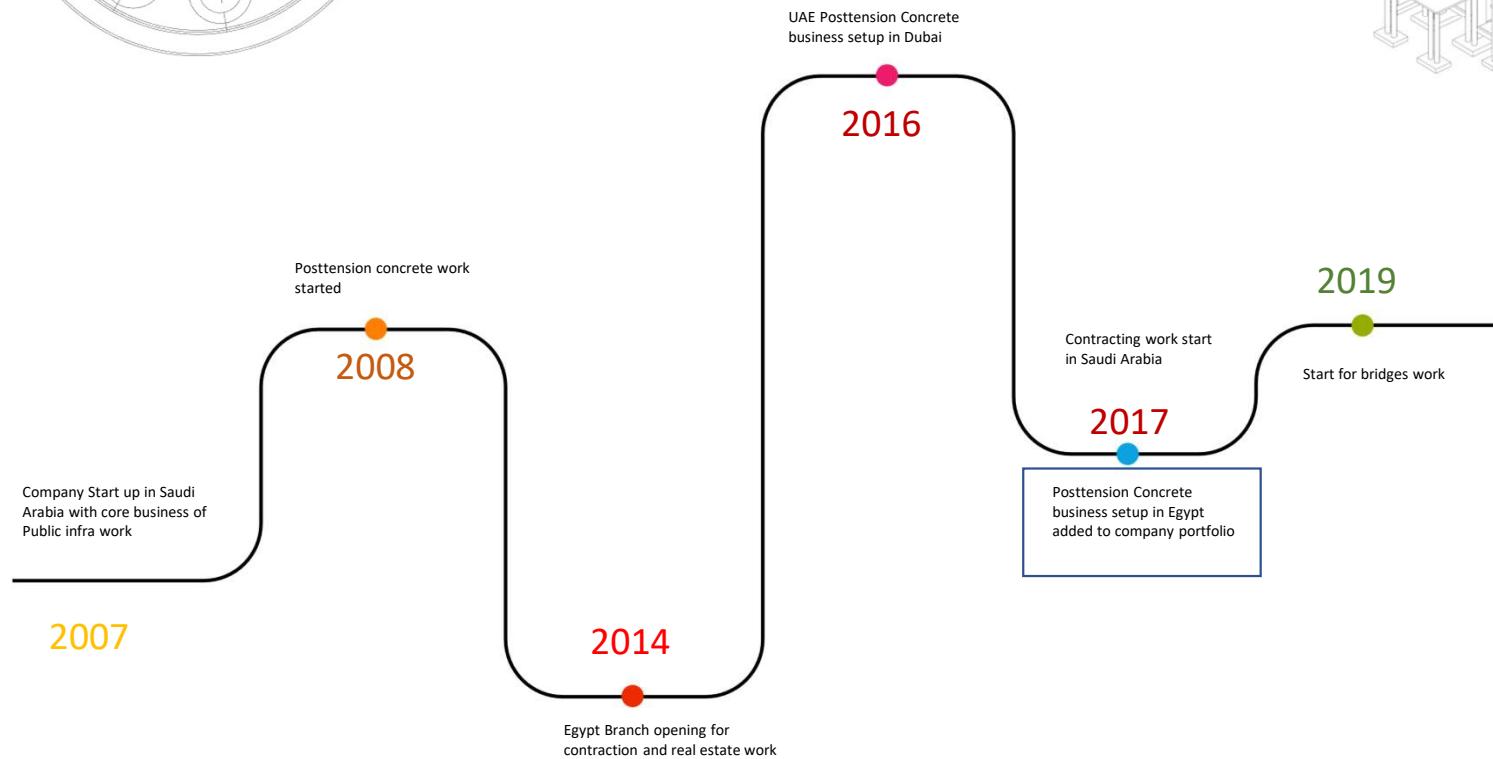
Geographic Location





COMPANY MILESTONES

Posttension Concrete



esolution accept contracting projects, through experience of past projects clients always been satisified with the quality and the ability to meet project dead lines

Our Services



PRECAST CONCRETE

Our Precast Structural Engineering Services include all Engineering and Detailing for the design of buildings employing total precast systems, or the design of the precast portions of buildings employing multiple building system



Building information modelling

Our BIM services support all ranges of projects from low rise small scale projects to governmental large scale projects such as stadiums and authorities buildings to support the client maintenance requirements



Tilt Up Concrete

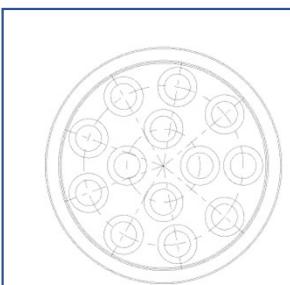


Contracting

e-solution provides alternative solution to the precast concrete to eliminate the need of transportation and support remote project with a faster construction methodology



Real Estate



Posttension Concrete

e-solution accept contracting projects, through experience of past projects clients always been satisfied with the quality and the ability to meet project dead lines

Memberships



Tilt-Up Concrete Association

2018 Certificate of Membership

e-solution Construction & Engineering

Member Since 2015

The Tilt-Up Concrete Association is the international nonprofit trade association for the global tilt-up industry. The mission of the Tilt-Up Concrete Association is to expand and improve the use of tilt-up as the preferred building system by providing education and resources that enhance quality and performance.



Geo-Technical



YOUR CONSTRUCTION PARTNER



Cerema

Direction technique
infrastructures de transport et matériaux

Cerema IDTechTM
110 rue de Paris
77 171 Sourdon
FRANCE

European Technical Assessment



ETA 11/0007 of 14/01/2016

Technical Assessment Body issuing the ETA:	Cerema Direction technique infrastructures de transport et matériaux
Trade name of the construction product	TESIT 1C15 monostrand post-tensioning system
Product family to which the construction product belongs	16. Reinforcing and prestressing steel for concrete (and ancillaries). Post tensioning kits.
Manufacturer	TENSACCIAI Srl Via Pordenone, 8 20132 Milano (Italy) www.tensacciai.it
Manufacturing plant(s)	Via Buttrio, 36 33050 Pozzuolo del Friuli, Udine (Italy)
This European Technical Assessment contains	32 pages including 16 Annex(es) which form an integral part of this assessment.
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	ETAG 013, edition June 2002, used as European Assessment Document (EAD)
This ETA replaces	ETA 11/0007, issued on 22/11/2011

ASQPE

CERTIFICATE OF CONSTANCY OF PERFORMANCES

No. 1683 - CPR - 0037

(English translation, the original version is in French)



PRESTRESSING POST-TENSIONING SYSTEMS

Certificate of constancy of performances issued by the Notified Body :

ASQPE

Identification Number : 1683
Address : ASQPE 1 rue Gaston Boissier 75724 Paris Cedex 15

Kit manufacturer : TENSACCIAI S.r.l.
ETA No - 08/0012 issued by CEREMA on 23 January 2017

Manufacturing plant : TENSACCIAI S.r.l.
Address : Via Buttrio, 36
33050 Pozzuolo del Friuli - Udine (Italy)

Certified Product : TENSACCIAI systems

In compliance with Regulation 305/2011/UE of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), it has been stated that:
the post-tensioning TENSACCIAI systems MTAI, MTAIM, MTAIE, MTAIEM, MTAIEX, MTAIER, MTAII, MTAIUM, MTAID and MTG manufactured by TENSACCIAI S.r.l.

have been submitted to the initial type-testing and that the manufacturer performs the continuous surveillance of the factory production.

The Notified Body ASQPE has realized the initial inspection of the factory and has controlled the factory production continuous surveillance. This certificate attests that all provisions concerning the attestation of the factory production under système 1+ described in the ETA-08/0012 were applied and that the product fulfills all the prescribed requirements.

This certificate is issued on 1st of October 2016 and, except withdrawal or suspension, remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions of the factory or the FPC itself are not modified significantly.

Updated and issued in Paris, on 14/06/2017

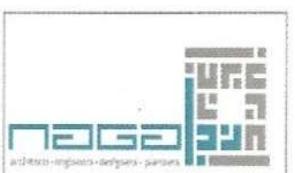
the ASQPE President

Jacky SEANTIER



ASQPE (Association Pour la Qualification de la Précontrainte et des Équipements des Ouvrages et du Génie Civil)
1 rue Gaston Boissier - 75724 Paris cedex 15 - Tel: 33 (0)1 40 43 38 24 - Fax: 33 (0)1 40 43 38 51

page 1/2



Our Policies:

- **Quality Policy** delivering the highest standard of professional services.

Esolution is committed to its clients by turning conception into reality and by emphasizing long term objectives, safety, progress and cost effectiveness. For Esolution to achieve this goal, an effective quality management system must be maintained

- Provide a service that exceeds customer expectations.
- Provide and sustain effective utilization of resources.
- Maintain E Solution's reputation for honesty and integrity and ensure that this is reflected throughout the organization.

- The people who make up the team at e-solution Construction & Engineering Company embody our values of strength, performance and passion. Our employees have strong connections to these ideas, which have contributed significantly to the progressive growth, success and leadership of our company. They have helped us develop the solutions, systems and project methods required to bring innovation, quality and value to the projects we deliver for our clients

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Health and Safety Policy

Esolution considers people to be its greatest resource and most valuable asset. It values their safety above all else. “Safety First” for all employees is embedded in Esolution’s culture from its top management to its workers. Esolution’s Value-Based Safety Program requires worker buy-in and global thinking, as opposed to a Priority-Based Program which emphasizes specific tasks, outcomes and statistical results. Safety is everyone's job. Esolution’s encourages employees to think of working safely as protecting their neighbors, their families and their friends. Safety is a way of life and a constant endeavor. Esolution’s goal is simple: to make sure every worker goes home safely to their families every night



Our Projects

Jareed compound (18 villa)

Owner : Mr. Hesham Aba baten

Consultant :Romuz

Project duration :10 month

Project Budget : 4.6 Million SR



Pump station

owner : Modon

Project duration : 8 month

Project Budget : 5.5 million SR

Location : Suder



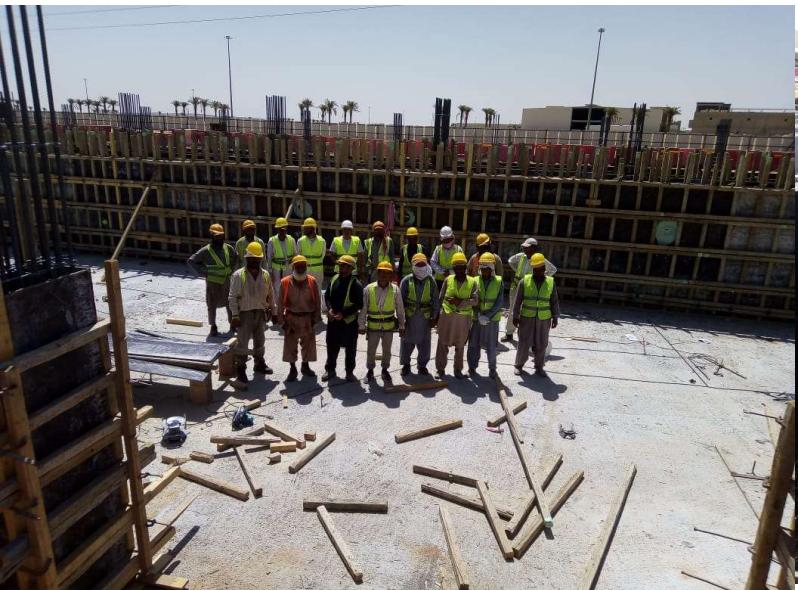
Pump Station

Pump station
owner : Modon

Project duration : 8 month

Project Budget : 5.5 million SR

Location : Suder



Pump Station Al-Kharj industrial city

owner : Modon

Project duration : 6 month

Project Budget : 4.5 million SR

Location : AL -kHARJ



General Directorate for Drug Control

Scop of work

Structure design

Post tension work

steel fixer

form work

owner : Ministry of interior

Project duration : 6 month

Project Budget : 1 million SR

Location : Riyadh



Asas Mall

Scop of work

Structure design

Post tension work

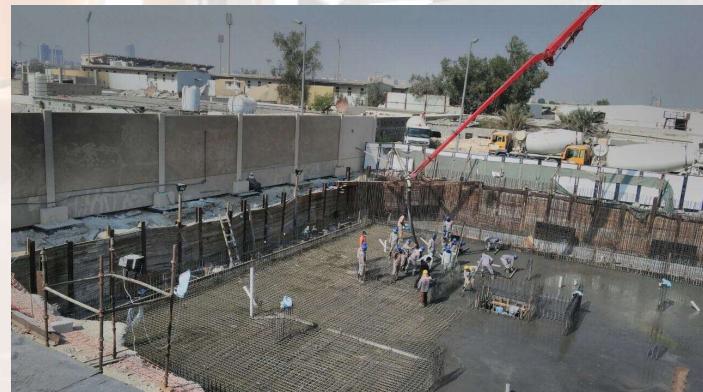
steel fixer

form work

Project duration : 8 month

Project Budget : 2.1 million SR

Location : Alkhobar



PROJECTS



Sohail House
G-3, F-25 & F-1, J-26, 3
Sector 3, Islamabad
Tel: +92 51 11201-9818
Fax: +92 51 11201-9819
E-mail: info@csc.com.pk
www.csc.com.pk

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Engineering Services
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Building Services Engineering Services
Mechanical & Electrical Engineering Services
Project Management & Consulting
Architectural Services
Structural Engineering Services
Building Services Engineering Services



ISLAMIC RELIEF-07- MECCA



ISLAMIC RELIEF02-MECCA

PROJECTS



Sebastien Tissier
Création S. Clais
29 rue de la République
75011 Paris
Tél. +33 1 45 58 58 53
Fax +33 1 45 58 58 53
E-mail : info@ept.fr
www.ept.fr

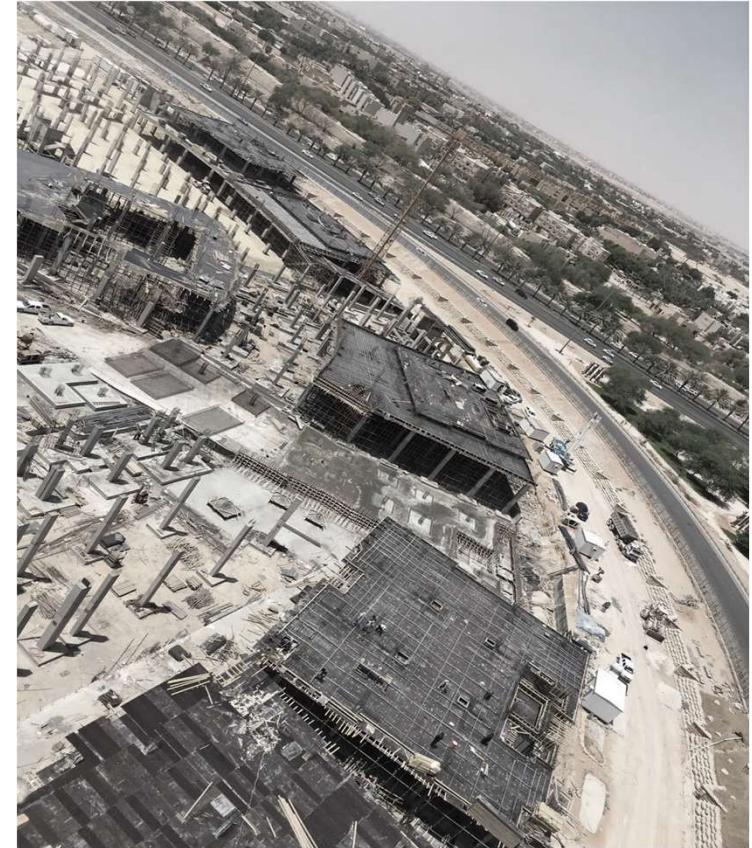


RESIDENTIAL

MEDICAL CITY-RIYADH



HOTEL



BOULIVARD

Villa Z900 kfa

Owner : Eng.Samy Alhadad

Project duration :3 month

Project Budget : 600000 SR

Location : Alkhobar





Bahrain Tower,
King Fahed St., Olaia,
Riyadh, Saudi Arabia
Tel: +966 (11) 201 9858,
Fax: +966 (11) 201 9859
info@esolution-pt.com
www.esolution-pt.com

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POST TENSIONED SLAB

Why we should be informed about Post-Tensioning ?

- 1- Post-tensioning projects have increased rapidly in the last 20 years
- 2- Post-tensioning is an available option for many types of buildings which help a project to run faster

GULF AREA MARKET DISTRIBUTION

45 % HIGH RISE RESIDENTIAL

30% COMMERCIAL

15% CAR PARKS

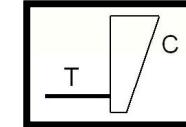
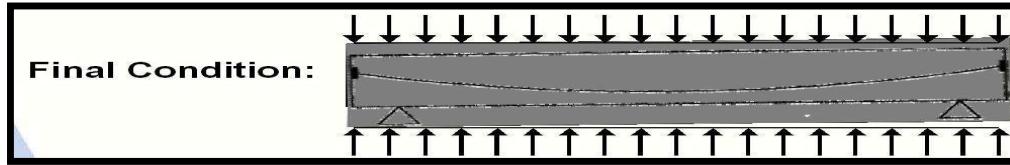
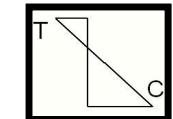
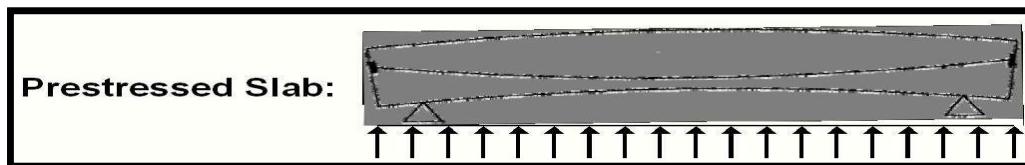
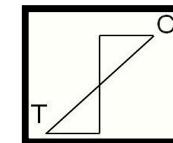
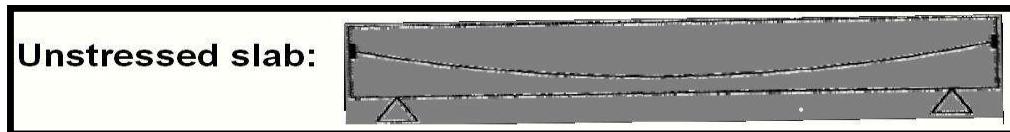
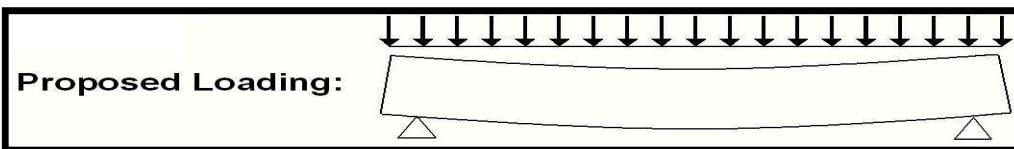
10 % OTHER INCL. HOSPITALS



Bahrain Tower,
King Fahd St - Olasi
Riyadh, Saudi Arabia
Tel: +966 (11) 2619858
Fax: +966 (11) 2619859
rfo@resolution-pr.com

resolution construction & engineering
precast & Post tension concrete specialists
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PRINCIPLES OF PRESTRESSING





Bahrain Tower,
King Fahed St - Olas,
Riyadh, Saudi Arabia
Tel: +966 11 201 9858
Fax: +966 11 201 9859
rpt@resolution-pt.com
www.resolution-pt.com

resolution construction & engineering
precast & post tension concrete specialists
posttensioning Institute Member
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Post tension

- Basics of posttensioning
- posttension concrete advantages
- Posttension Systems
- Bonded Vs Unbonded System
- Post tensioning materials
- Basic design concept
- Seismic Design for PT slabs
- Post tension slab construction sequence
- Seismic Design of PT Slabs
- PROJECTS
- DESIGN SERVICES
- Video



MIRROT – AL KHOBAR



Bahrain Tower,
King Fahed St - Olas,
Riyadh, Saudi Arabia
Tel: +966 11 201 9858
Fax: +966 11 201 9859
rfo@esolution-ept.com

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Basic Definitions

- What is pre-stressing ?

Pre-stressing is a method of reinforcing concrete, counteracting applied loads

- What is pre-tensioning

Steel tendons are stressed prior to concrete placement, usually at a precast plant remote from the construction site.

- What is Post-tensioning

Steel tendons are stressed after the concrete has been placed and gained sufficient strength at the construction site



ZAKHIR CITY- MECCA



Bahrain Tower,
King Fahd St - Ola 2
Riyadh, Saudi Arabia
Tel: +966 11 261 9858
Fax: +966 11 261 9859
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www.resolution-ph.com

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Post-Tensioned Concrete Advantages

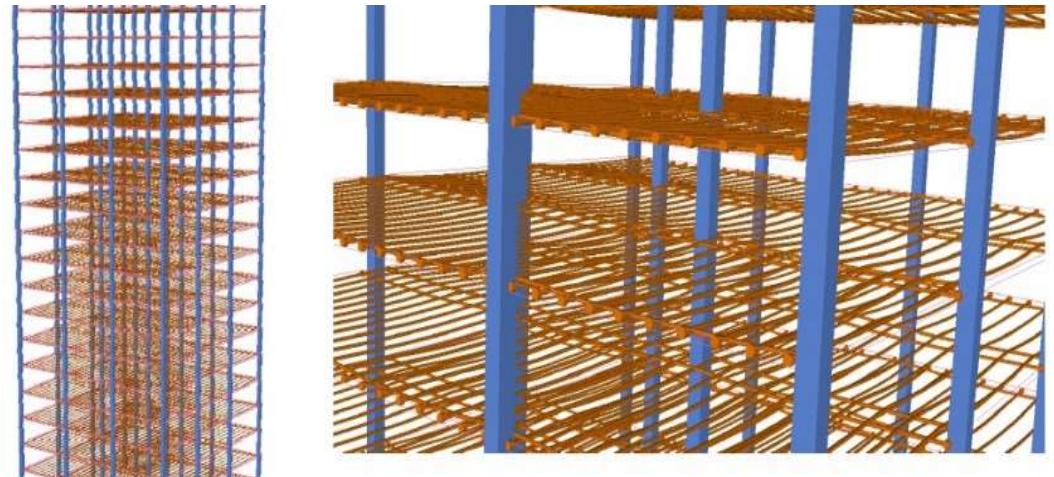
- Long economical spans
- Effective use of high strength materials
- Thinner Slabs
- Cost saving
- Reduced store height
- Lighter structure
- Concrete is uncracked deflection is easier to determine
- Less concrete , less steel reinforcement
- Reduced transportation



HOTEL- JEDDAH



3D INTEGRATED DESIGN

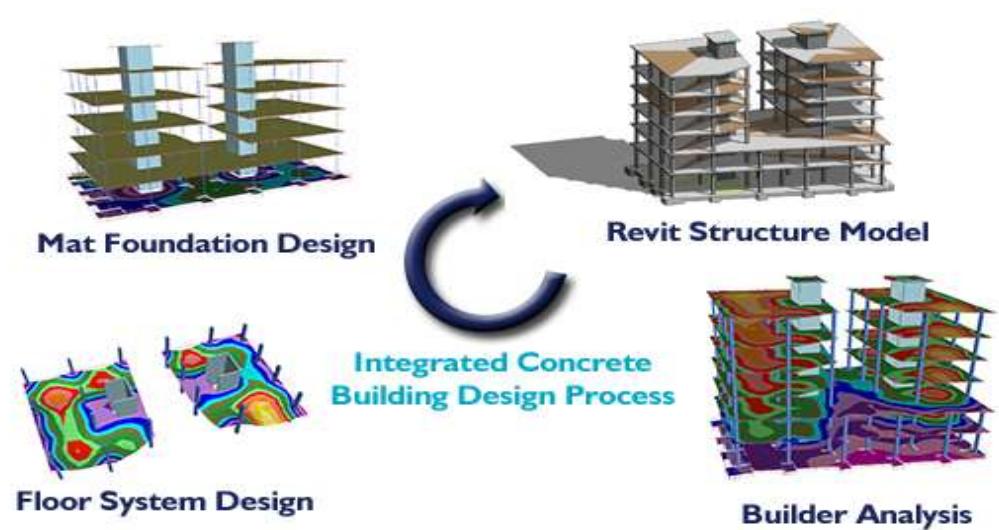


REVIT- BUILDING INFORMATION MODELING

ETABS-DESIGN OF CONCRETE STRUCTURES

ADAPT- PT Slabs Design software in 3D view to account for

- Columns shortening
- Interaction with supports according to elevated floor level
- Confirmation of the column results adding Hyper static reactions to columns forces





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PTSE FLAT ANCHORAGE The new improved system for thin slabs post tensioning is the PTSE, whose compact size is the best performing in the market. Range is from 2 up to 5 strands and can be used as a bonded system with plastic / metal ducts or unbonded with plastic coated strands.



MONOSTRAND JACK



INTERNAL MTAI LIVE ANCHORAGE The live anchorage MTAI is the most used and widely spread type of anchorage, whose compact geometry and reduced deviation angle provides a competitive advantage in all project applications, combined with high performance standards and ease of installation. It can be also used in the unbonded MTAIU version, where single sheathed strands are used.



MULTISTRAND JACKS

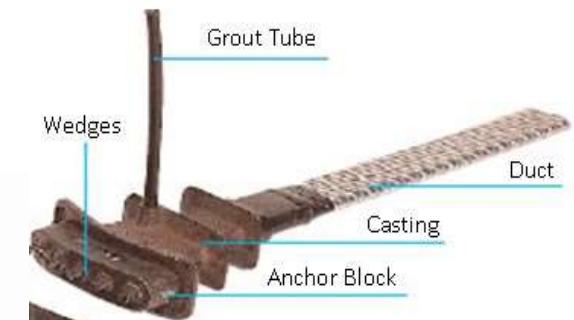
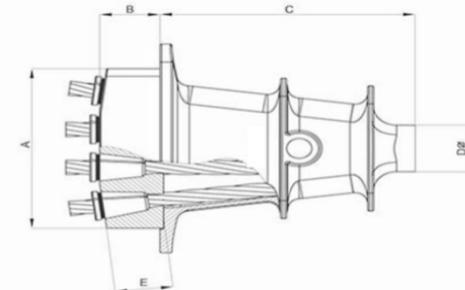
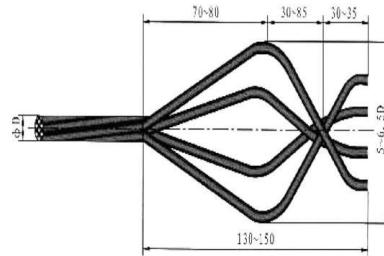


Bahrain Tower,
King Fahd St - Old
Riyadh, Saudi Arabia
Tel: +966 11 2619858,
Fax: +966 11 2619859
<http://esolution-pc.com>

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Bonded system

- Bonded post-tensioned concrete is the descriptive term for a method of applying compression after pouring concrete and the curing process (in situ).
- The concrete is cast around a plastic, steel or aluminum curved duct, to follow the area where otherwise tension would occur in the concrete element.
- A set of tendons are fished through the duct and the concrete is poured. Once the concrete has hardened, the tendons are tensioned by hydraulic jacks.
- When the tendons have stretched sufficiently, according to the design specifications they are wedged in position and maintain tension after the jacks are removed, transferring pressure to the concrete.
- The duct is then grouted to protect the tendons from corrosion.



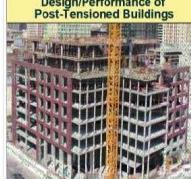
Seismic Design of PT slabs



Bahrain Tower,
King Fahd St - Olac,
Riyadh, Saudi Arab.c
Tel: +966 (11) 201 9858,
Fax: +966 (11) 201 9859
rfc@esolution.pt.com
www.esolution.pt.com

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IACI Up! Concrete Association Member

Earthquake/Wind Design/Performance of Post-Tensioned Buildings



Dr. Bijan A. Aslani
Professor Emeritus, San Francisco State University
Founder, ADAPT Corporation

ADAPT
www.adaptsoft.com

DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

The following is an excerpt from a presentation on seismic design of floor systems

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES



COLUMN-SLAB RELEASE DETAIL TO PROVIDE ARTICULATION AND REDUCED MOMENT

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

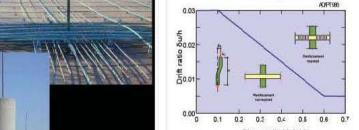
Hinge Implementation at Column Top Using a Central Dowel

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

Option 2: Detail for Ductility

Detail for ductility, if inter-story drift exceeds the values given below



Shear ratio V_u/V_c

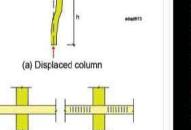
$\Delta \leq$ larger of 0.005 or $0.035 - 0.05 \left(\frac{V_u}{V_c} \right)$

No limit on punching shear ratio if drift ratio is less than 0.005

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

(a) Displaced column



(b) Reinforcement not required

(c) Reinforcement required

Column-Slab Junction Design for Deformation Compatibility

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

OPTION 2: DETAIL FOR DUCTILITY

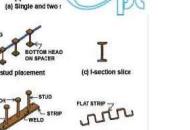


Provide punching shear reinforcement such as to allow the joint undergo its design displacement without loss of integrity to carry gravity loads

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

(d) Studs on strip



(e) Shear band

(f) Single leg stirrup

(g) Multiple leg stirrup

(h) Pecking shear reinforcement with stirrups

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

OPTION 3: Calculate the Moment and Shear and Design for it

Using design displacement δ_u , calculate the associated moment M_u and design for punching shear

(a) Elevation

(b) Plan

Extent of Punching Shear Reinforcement to Meet Ductility Requirements

ADAPT

12 DESIGN OF FLOOR MEMBERS TO RESIST SEISMIC/WIND FORCES

Floors that do NOT participate in frame action (Seismic categories D, E and F)

Floors that do participate in frame action (Seismic categories A, B and C)

Design for diaphragm action of all floors (All seismic categories)

ADAPT



Summary

- ▶ Non-participating PT slab-column frames
 - Only deformation compatibility should be checked.
 - Design story drift of lateral systems is used.
- ▶ Lateral-force-resisting PT slab-column frames
 - Linear lateral model should be built for design demands.
 - Reduced stiffness (considering cracking at ultimate states)
 - $M_{u,grav} + M_{u,lat} + M_{sec} \leq \phi M_n$ per S18.10.3
 - M_{sec} is determined separately, or may be neglected if you think it's minor [and you know you're neglecting].



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Minimum shear reinforcement for all PT slab-column connections

▶ ACI 318-08, S21.13.6

- If deformation compatibility is not satisfied, or without checking it, minimum shear reinforcement is required.

◦ As per ACI 352R

- $(A_fy)/(sb_0) \geq 3.5\sqrt{f'_c}$
- $s \leq d/2$
- First line at $s/2$ from the column
- Extend at least $3h$ (note: $4h$ for RC)
- and so forth..

21.13.6. — For slab-column connections of two-way slabs without beams, slab shear reinforcement satisfying the requirements of 11.11.3 and 11.11.5 and providing V_g not less than $3.5\sqrt{f'_c} b_0 d$ shall extend at least four times the slab thickness from the face of the support, unless either (a) or (b) is satisfied:

- (a) The requirements of 11.11.7 using the design shear V_{dg} and the induced moment transferred between the slab and column under the design displacement;
- (b) The design story drift ratio does not exceed the larger of 0.005 and $0.035 - 0.05(V_{dg}/V_c)$.

ACI-PTI

Requirements for PT slabs seismic design

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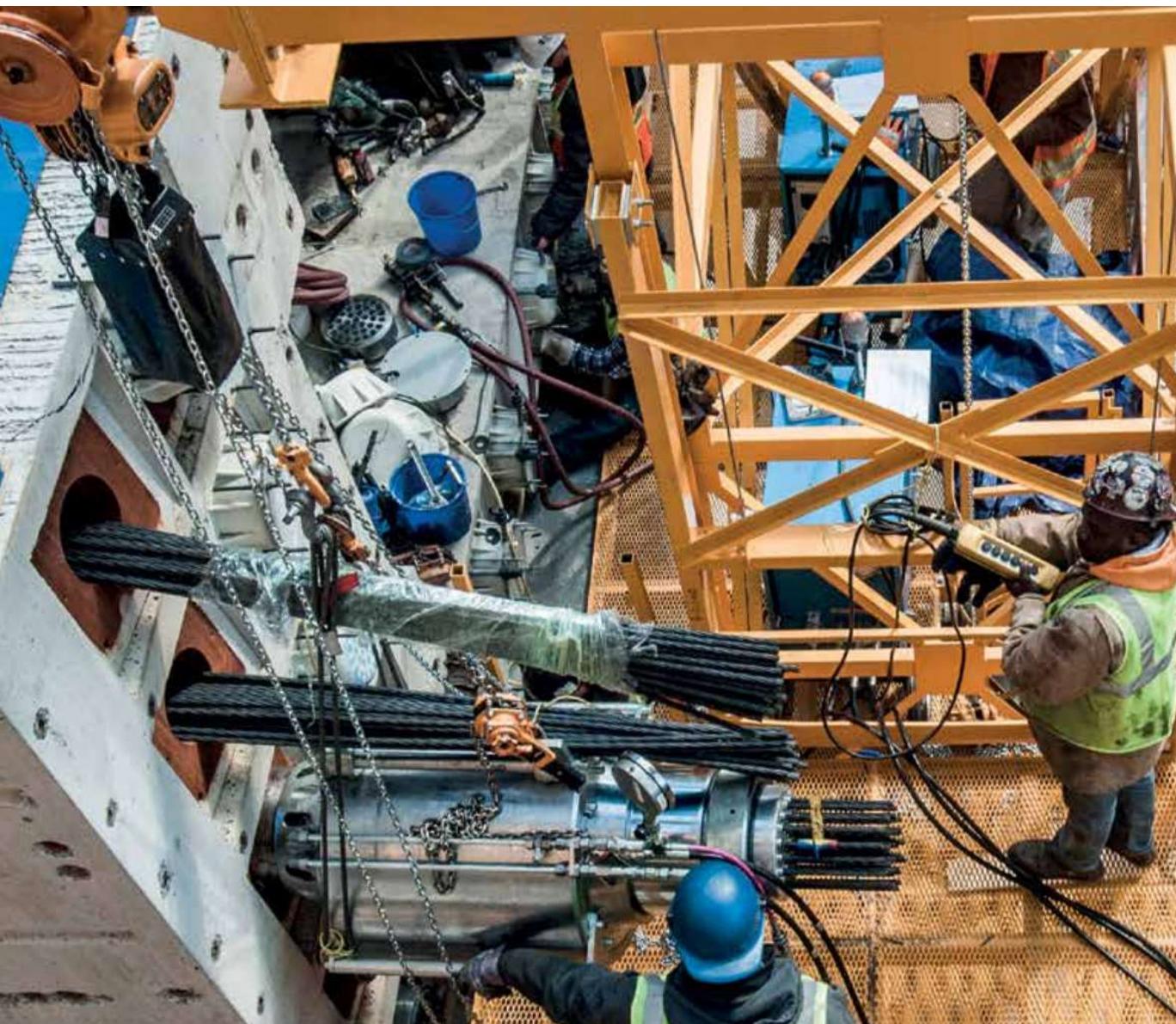




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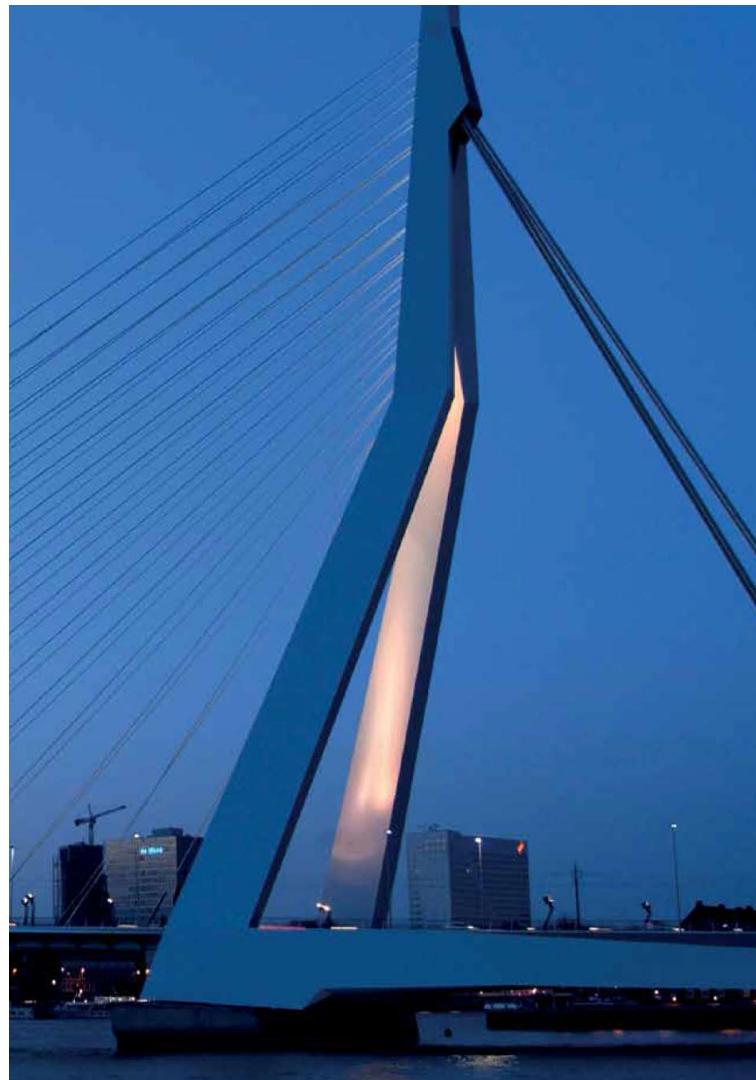


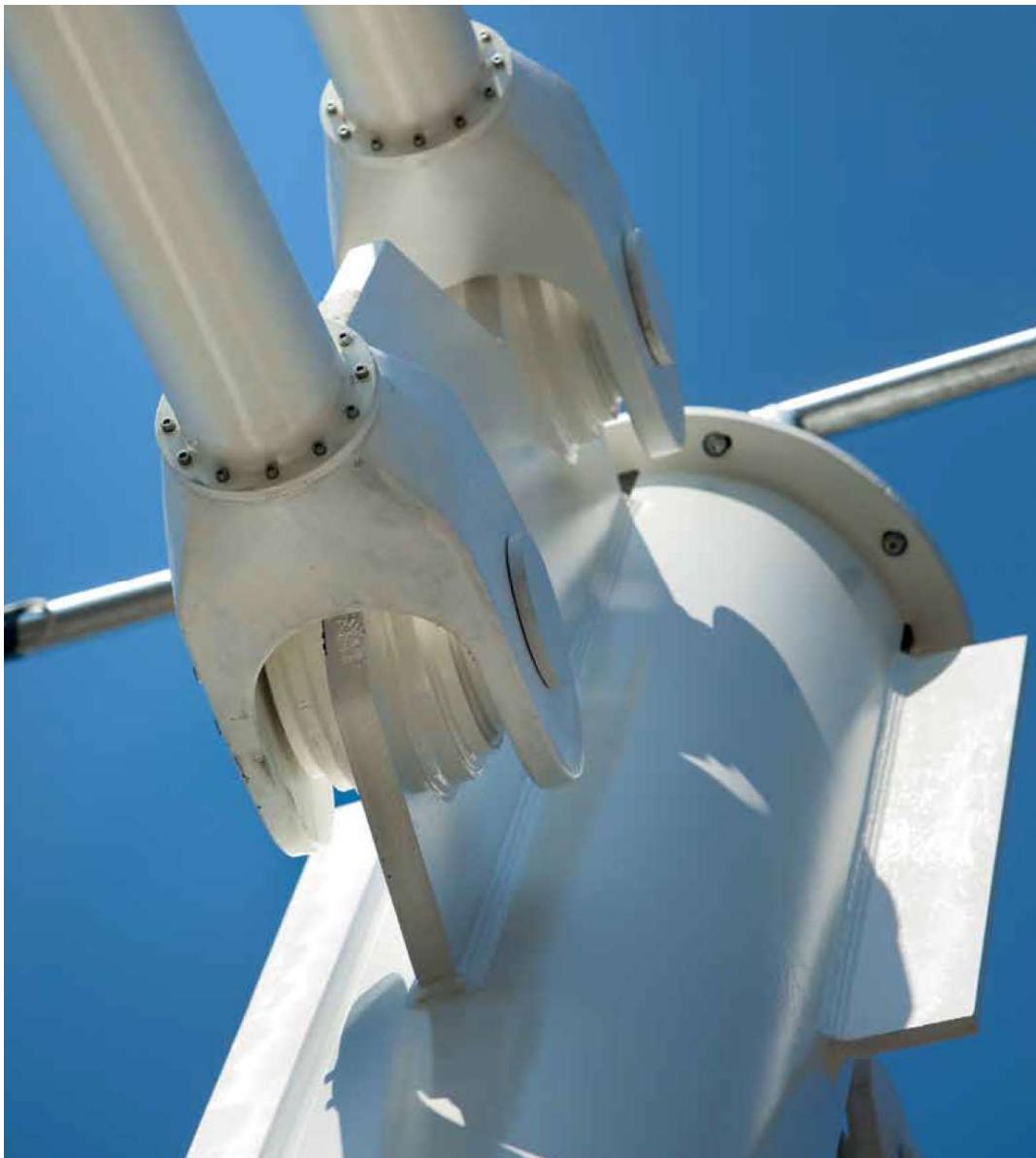


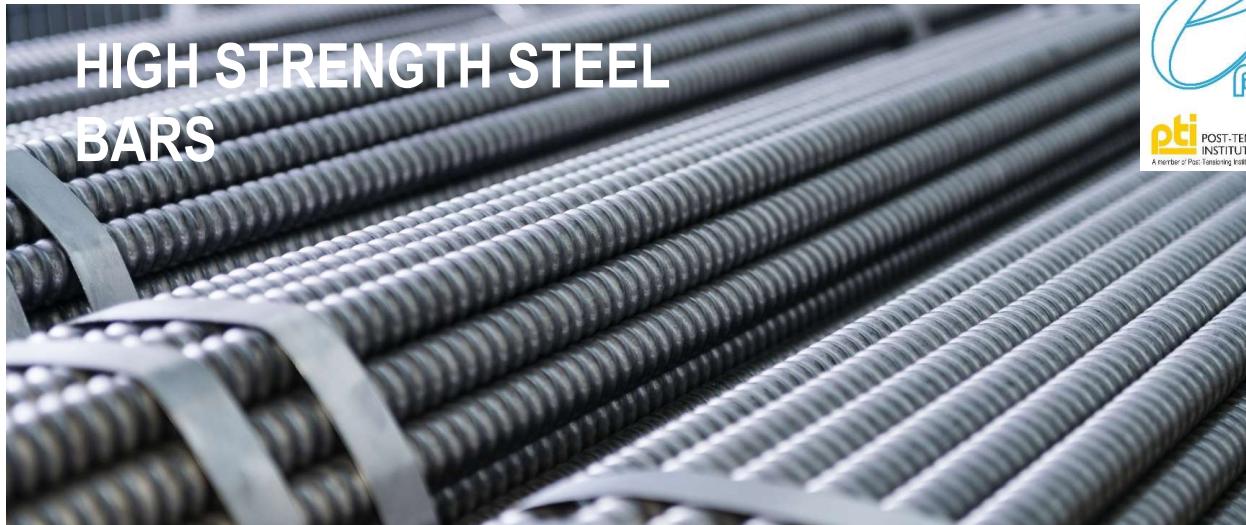
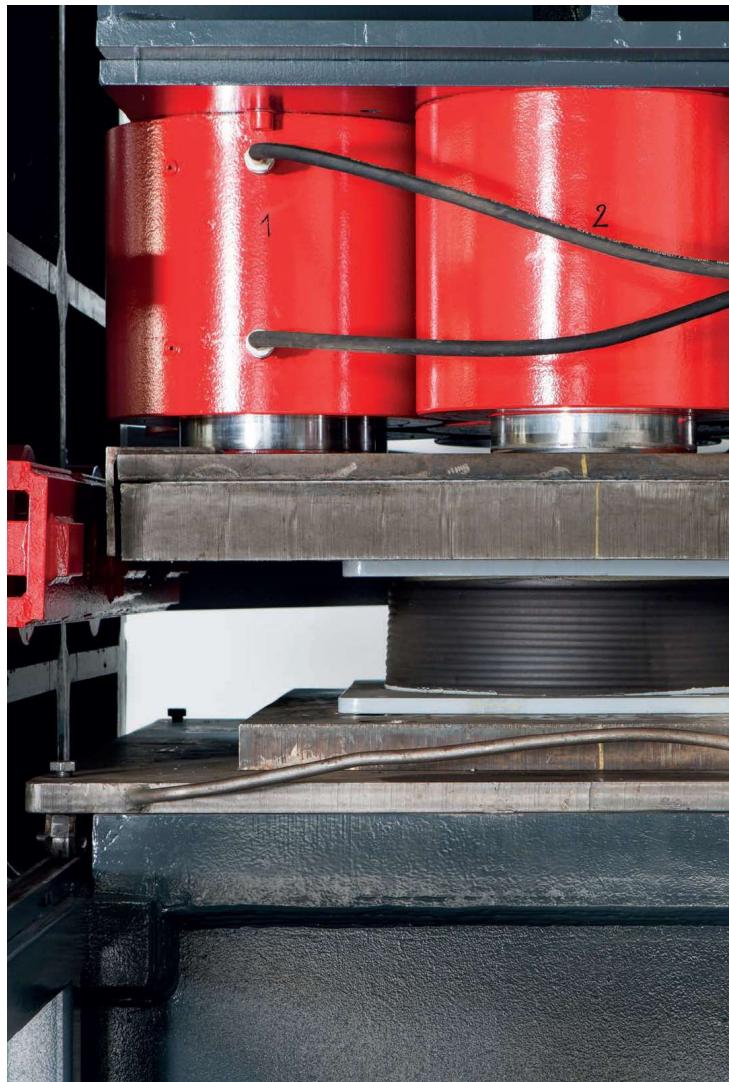
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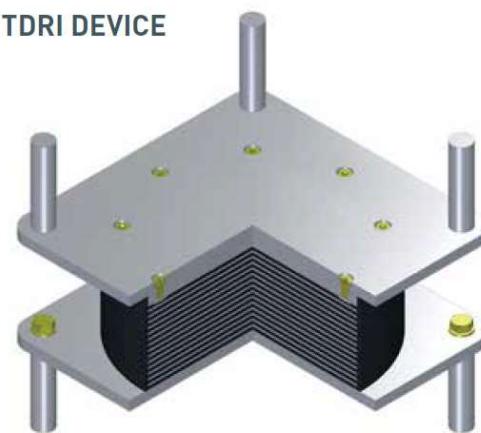


HIGH STRENGTH STEEL BARS

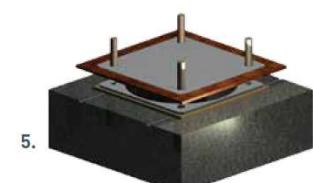
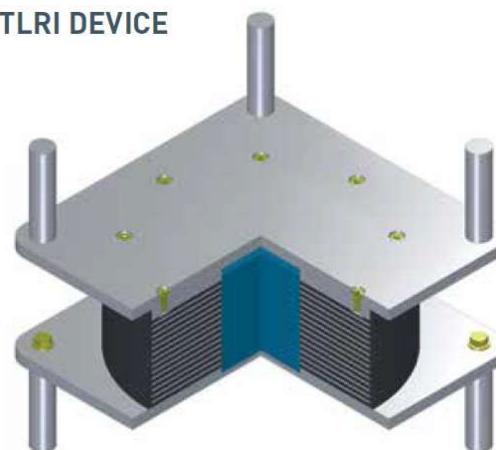
BRIDGE BEARING



TDRI DEVICE



TLRI DEVICE



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SOIL NAILS



EY-DC



EX



EXX



EXS



ES-DC



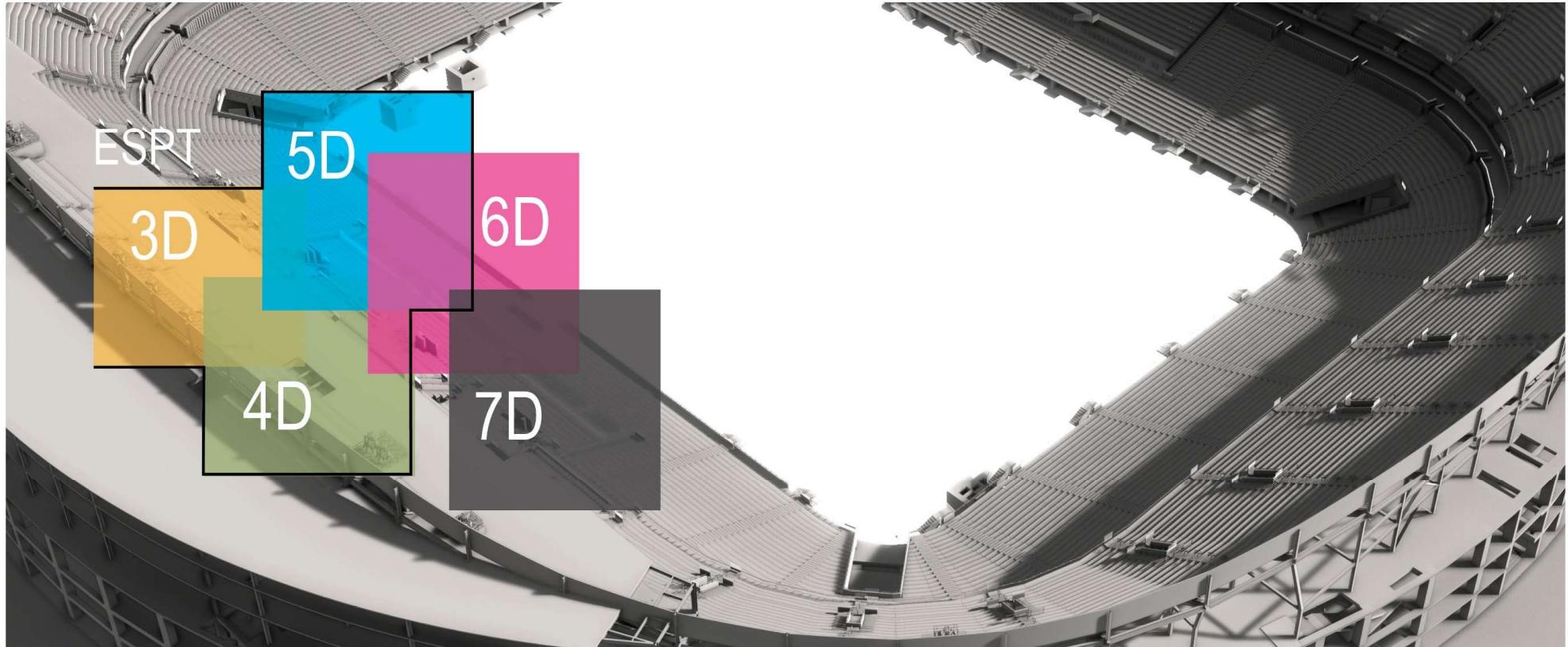
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EW

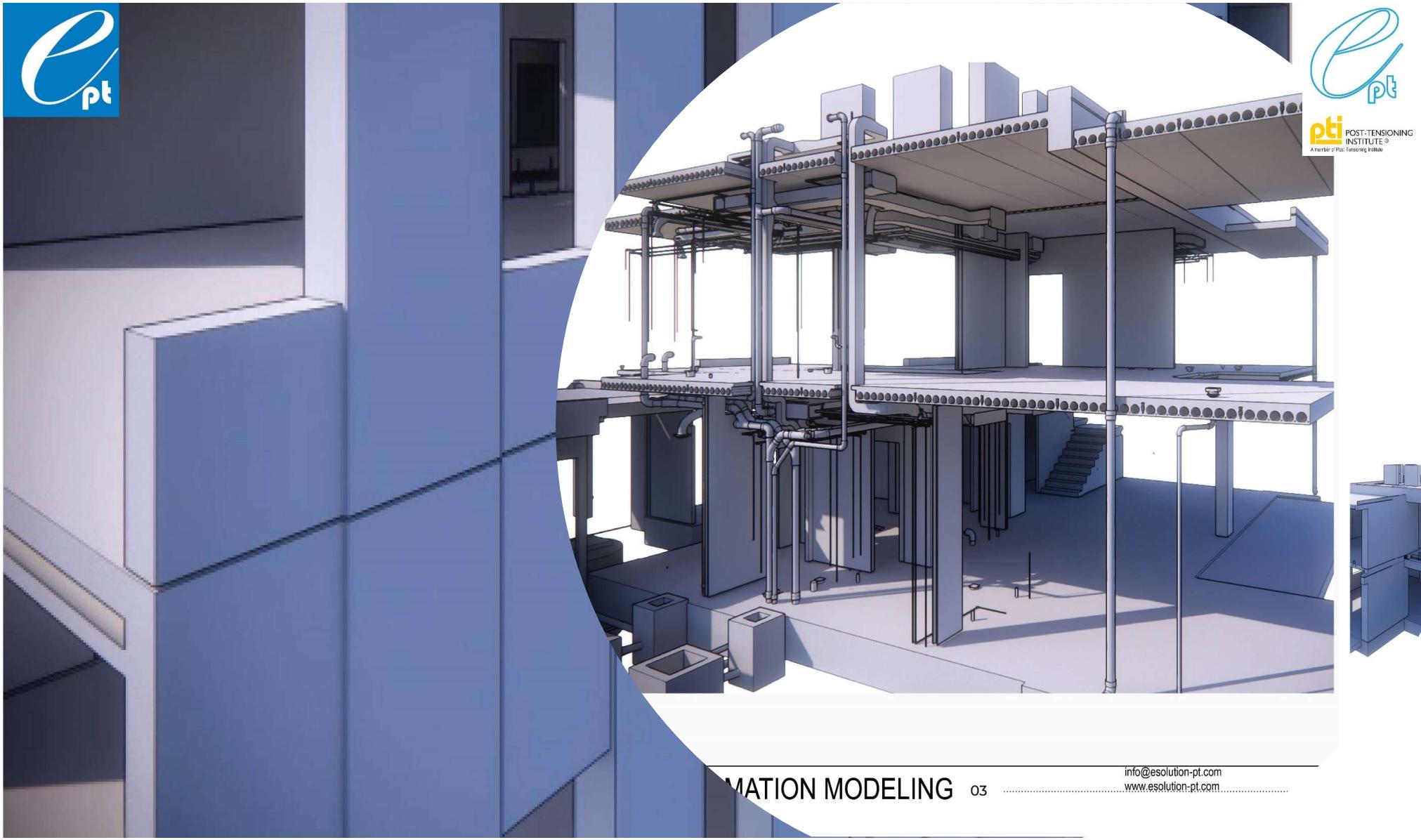


INFORMATION MODELING



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www.esolution-pt.com

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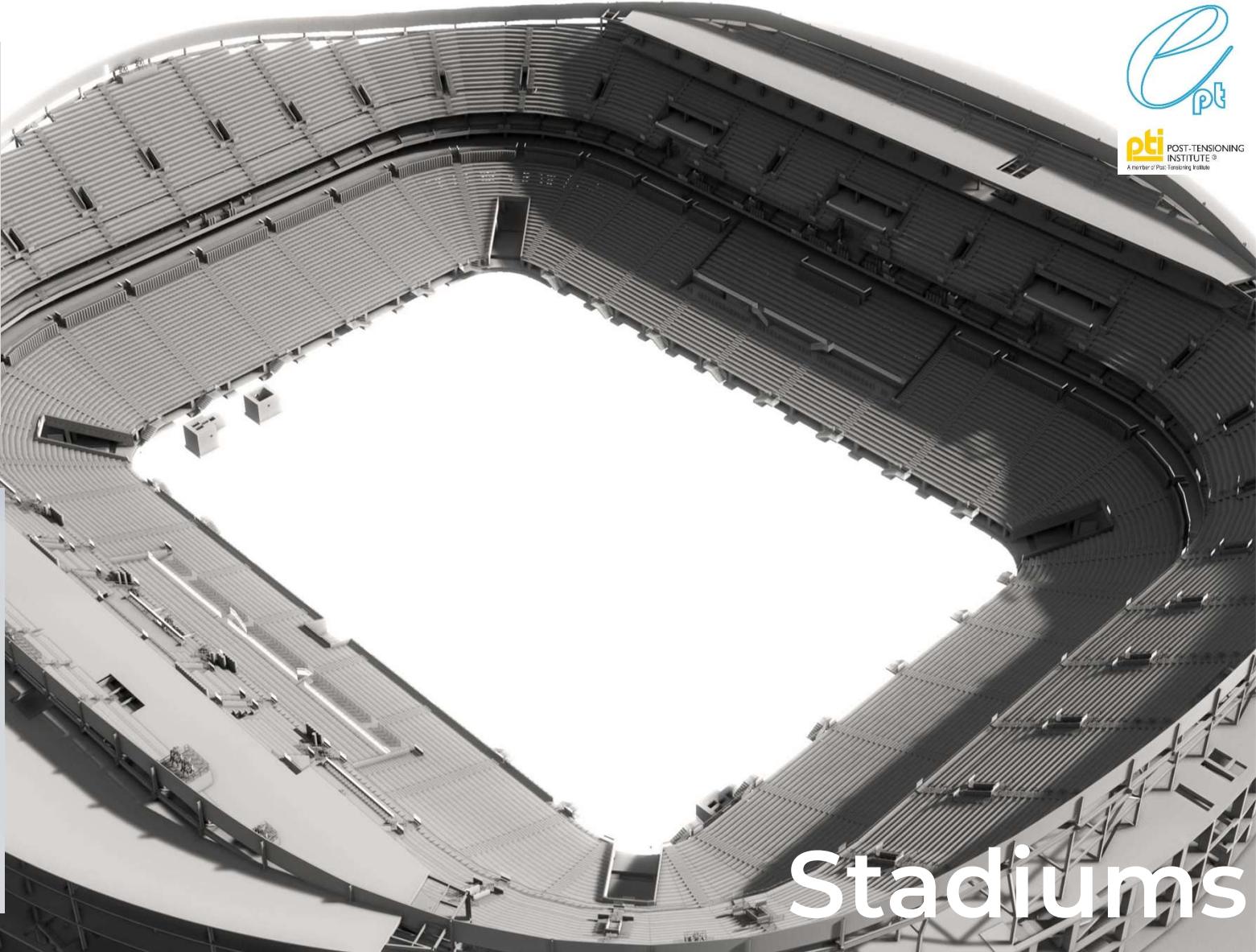
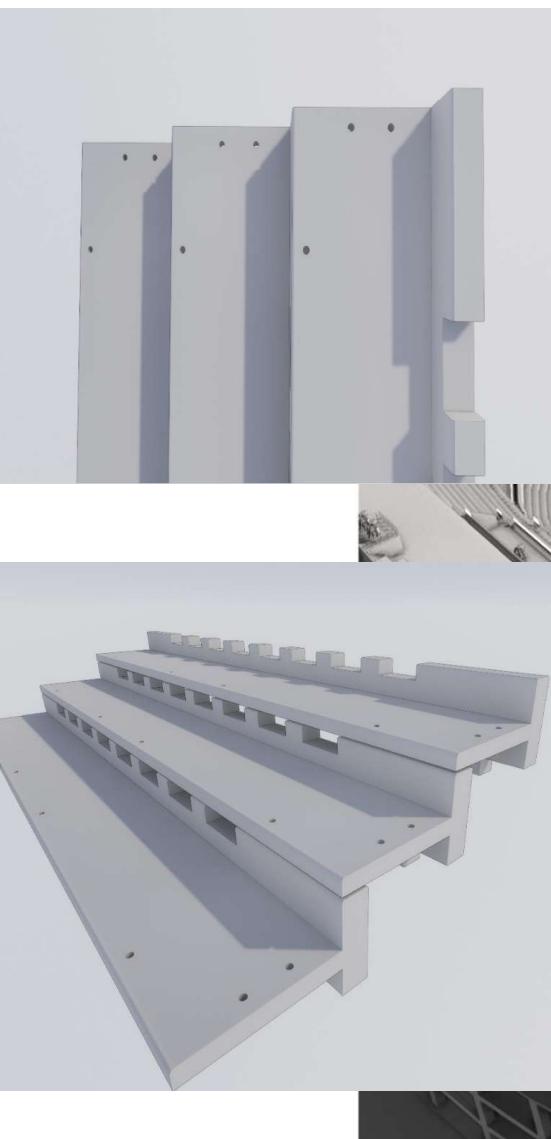
MATION MODELING 03

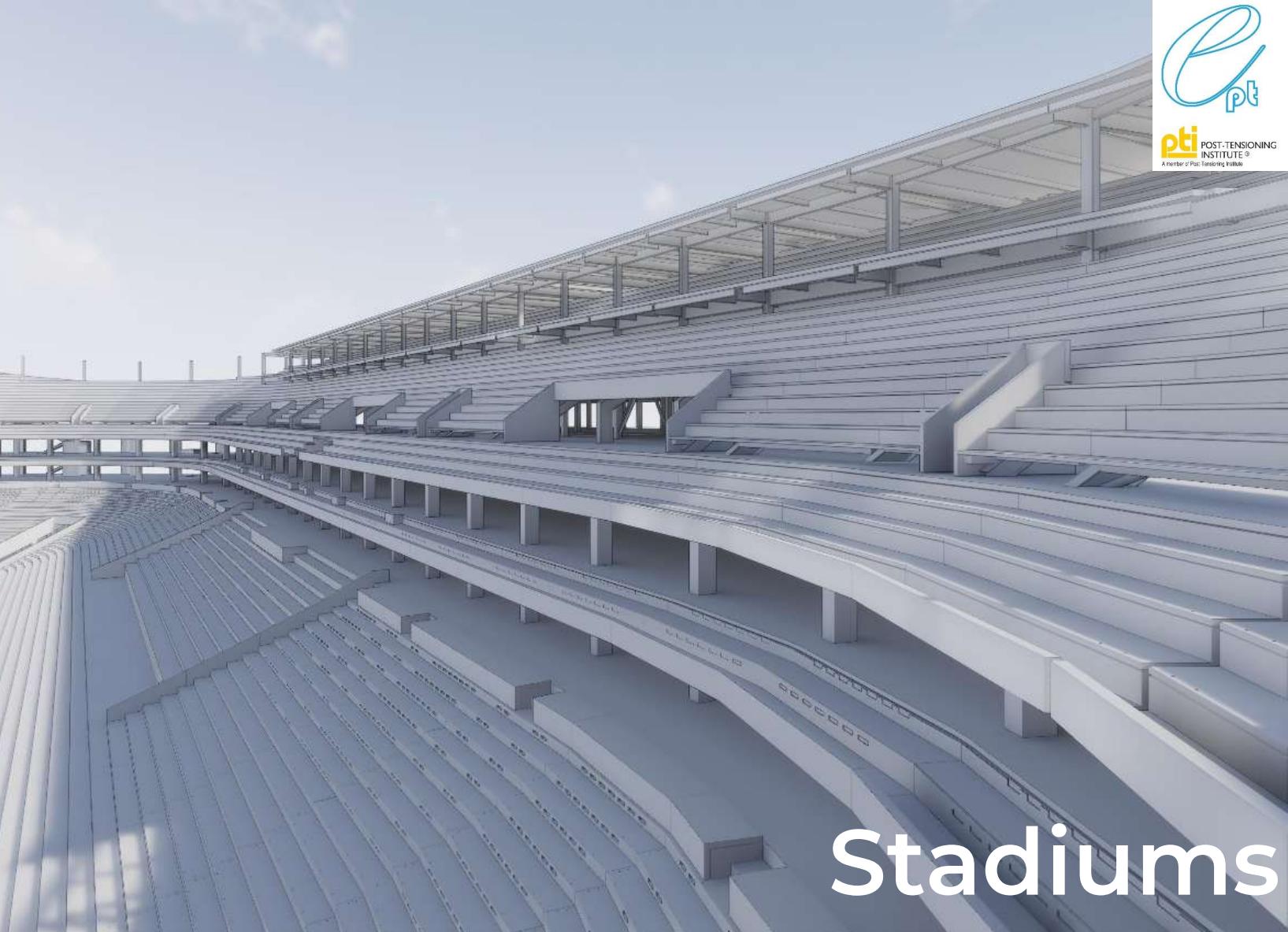
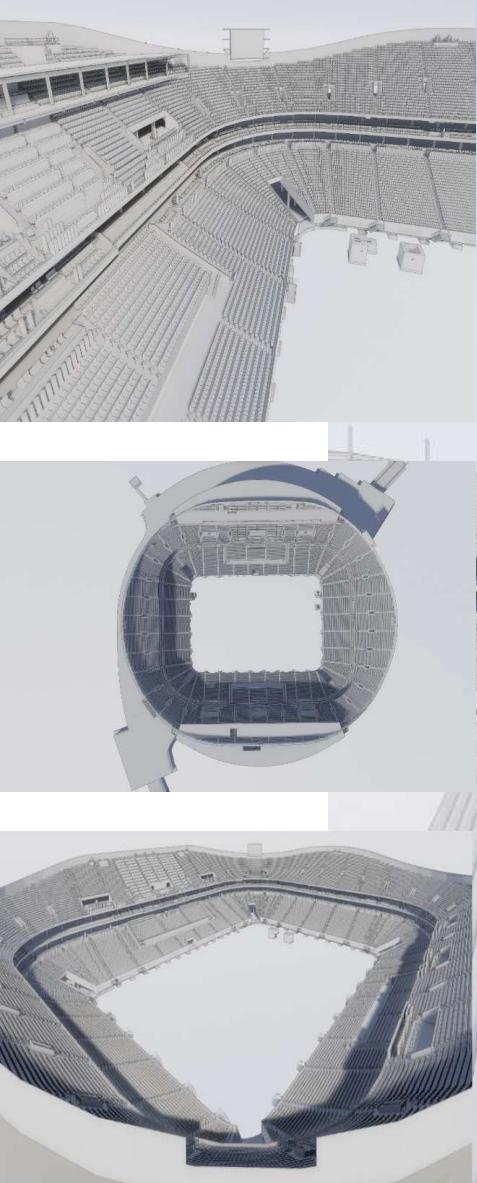
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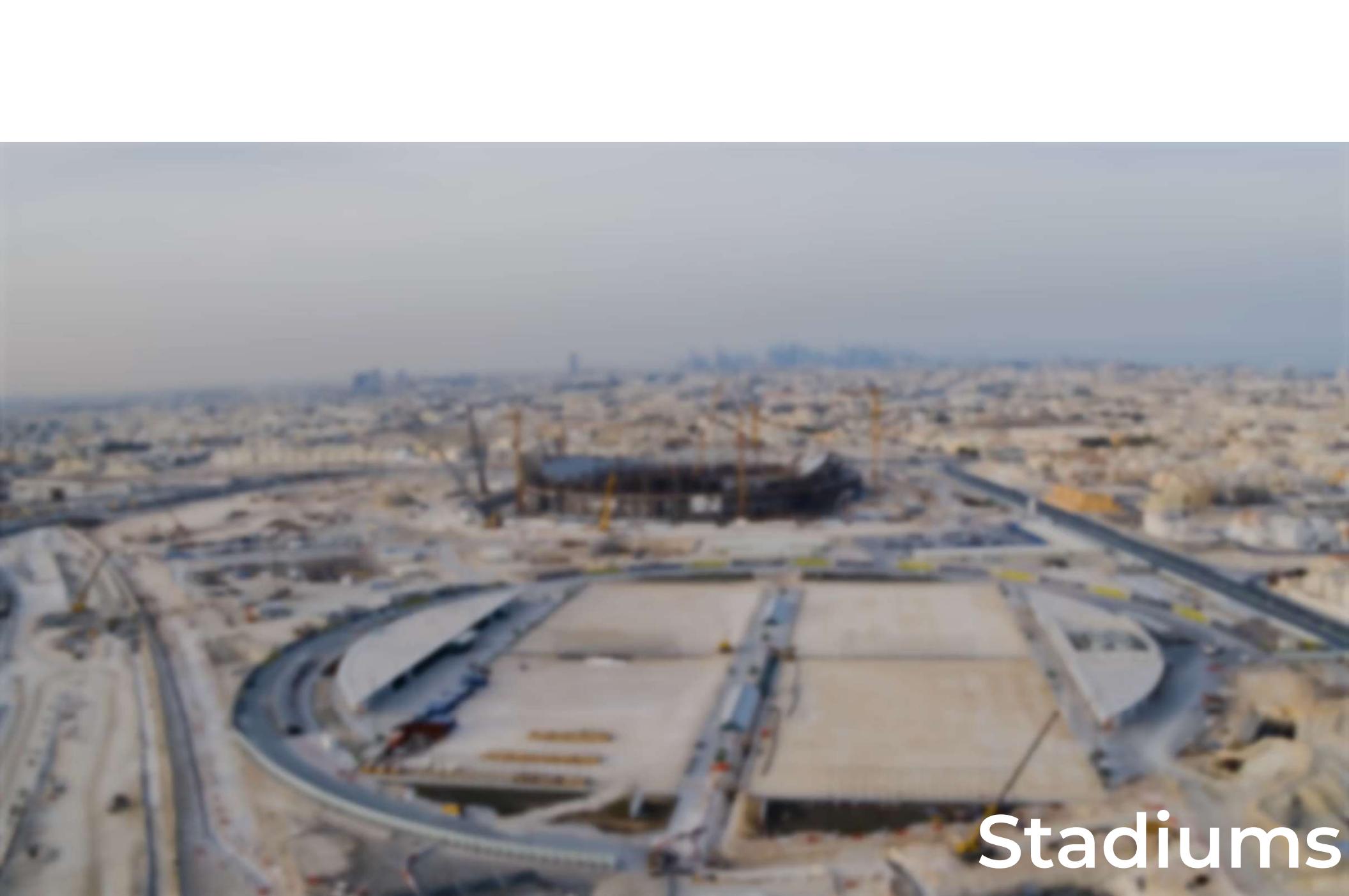


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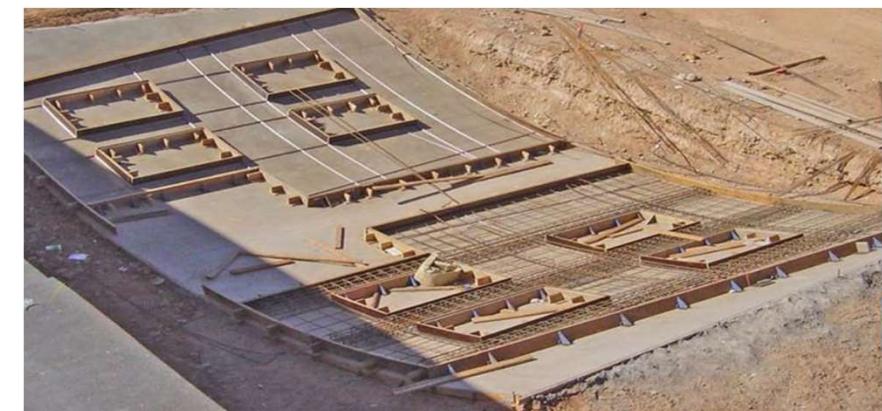


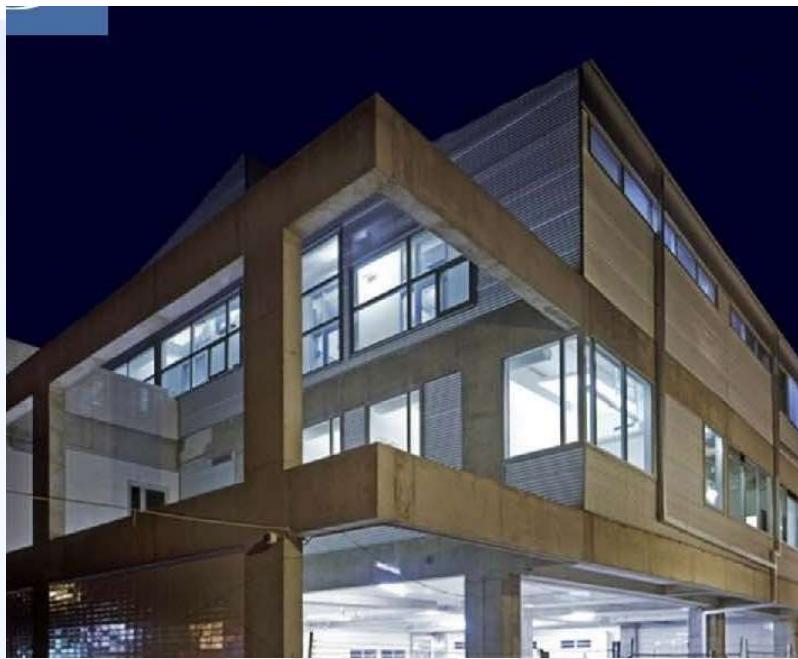


Stadiums

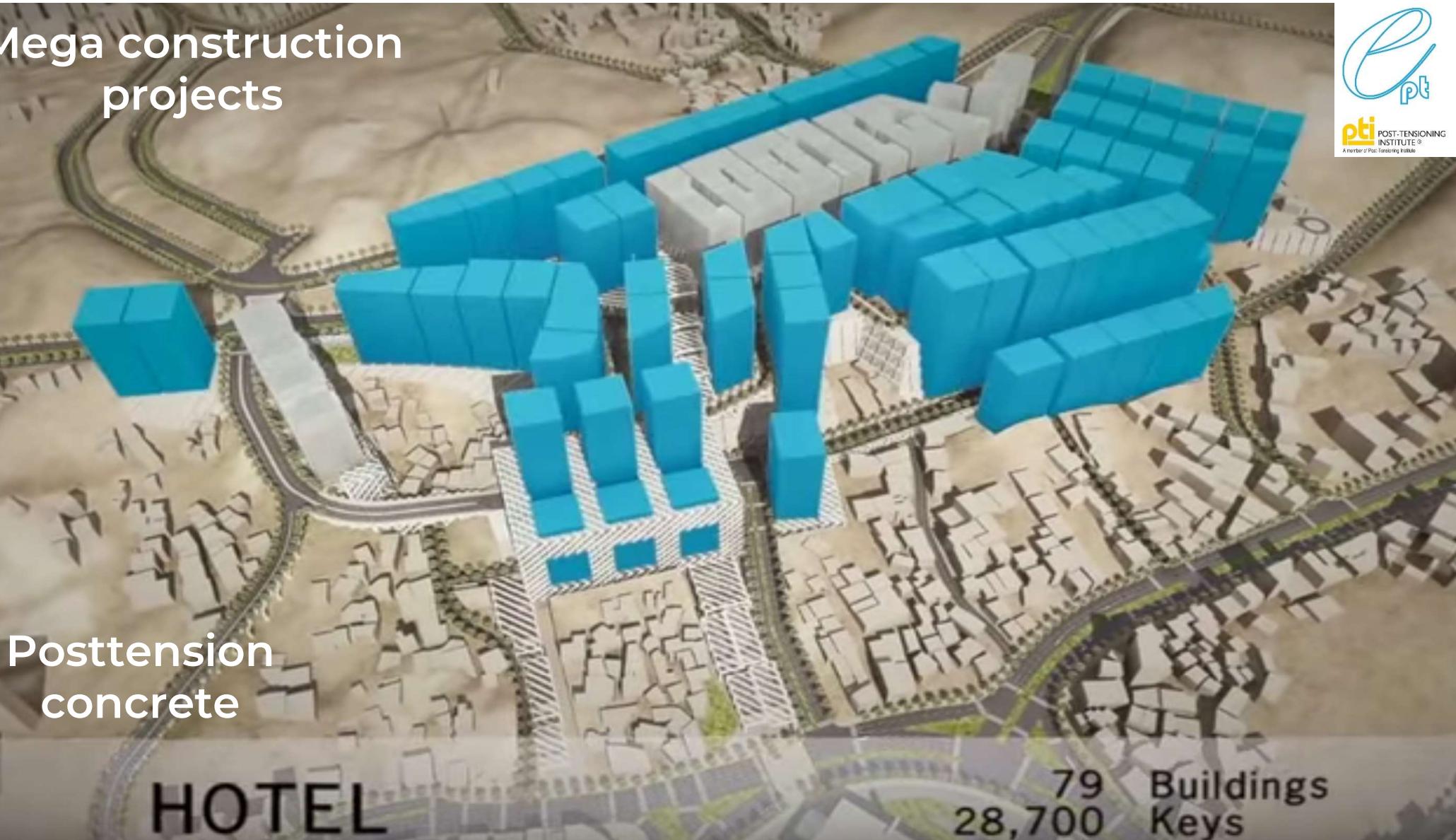


Stadiums





Mega construction
projects



Posttension concrete



Posttension concrete



Posttension concrete





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Posttension
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Construction compilation



Design





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Posttension
concrete

Mega construction projects

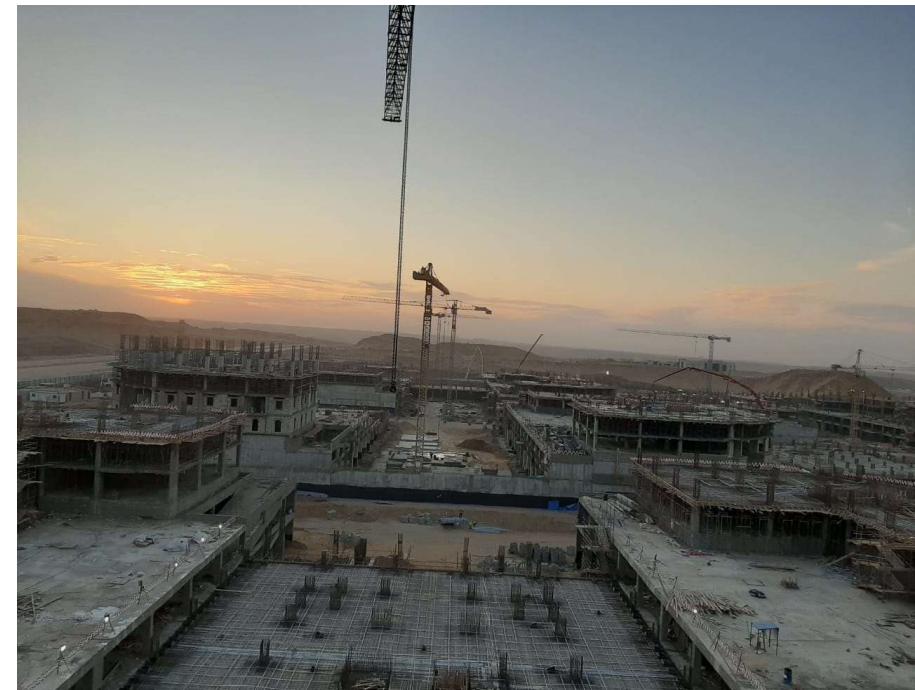
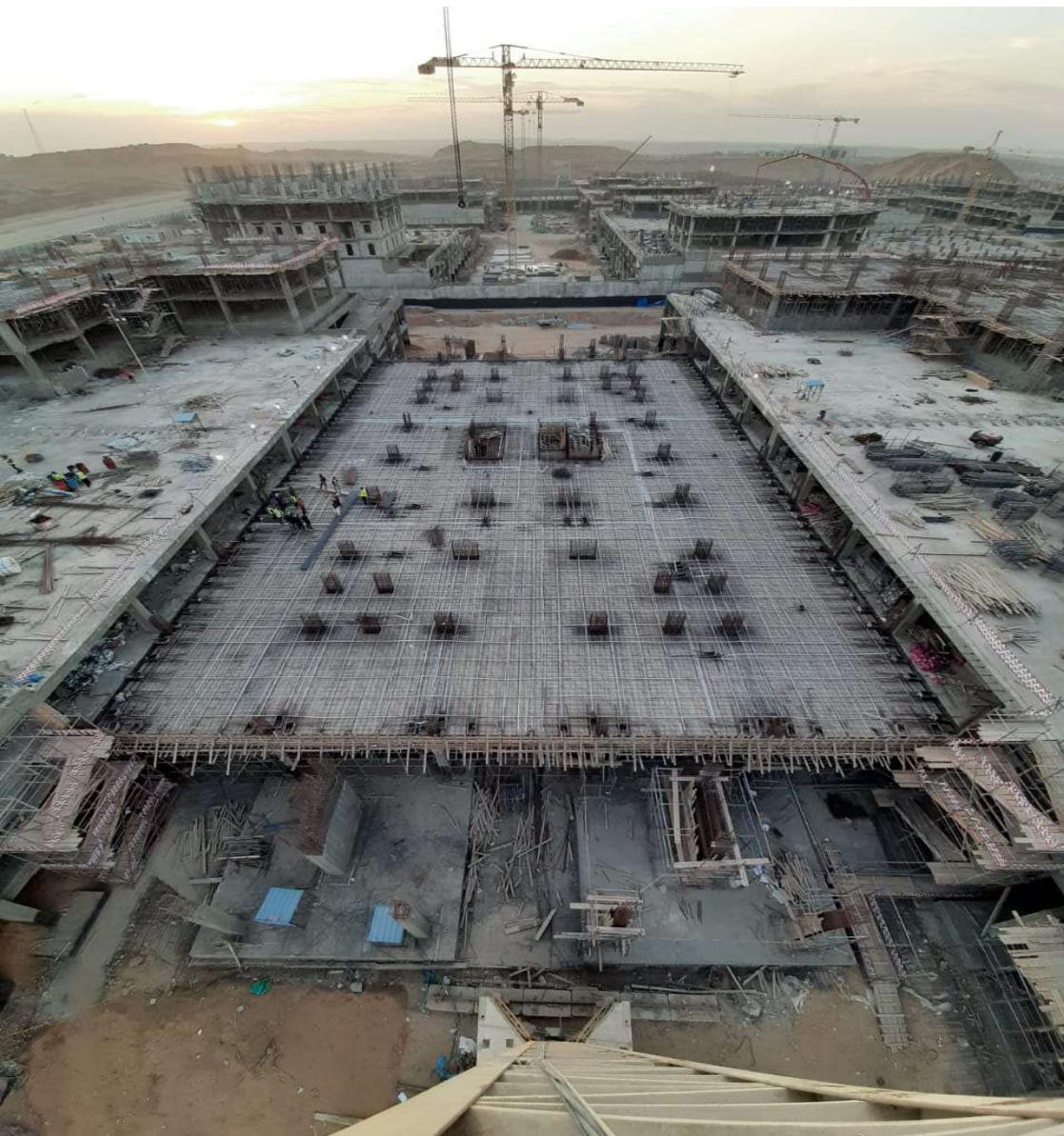


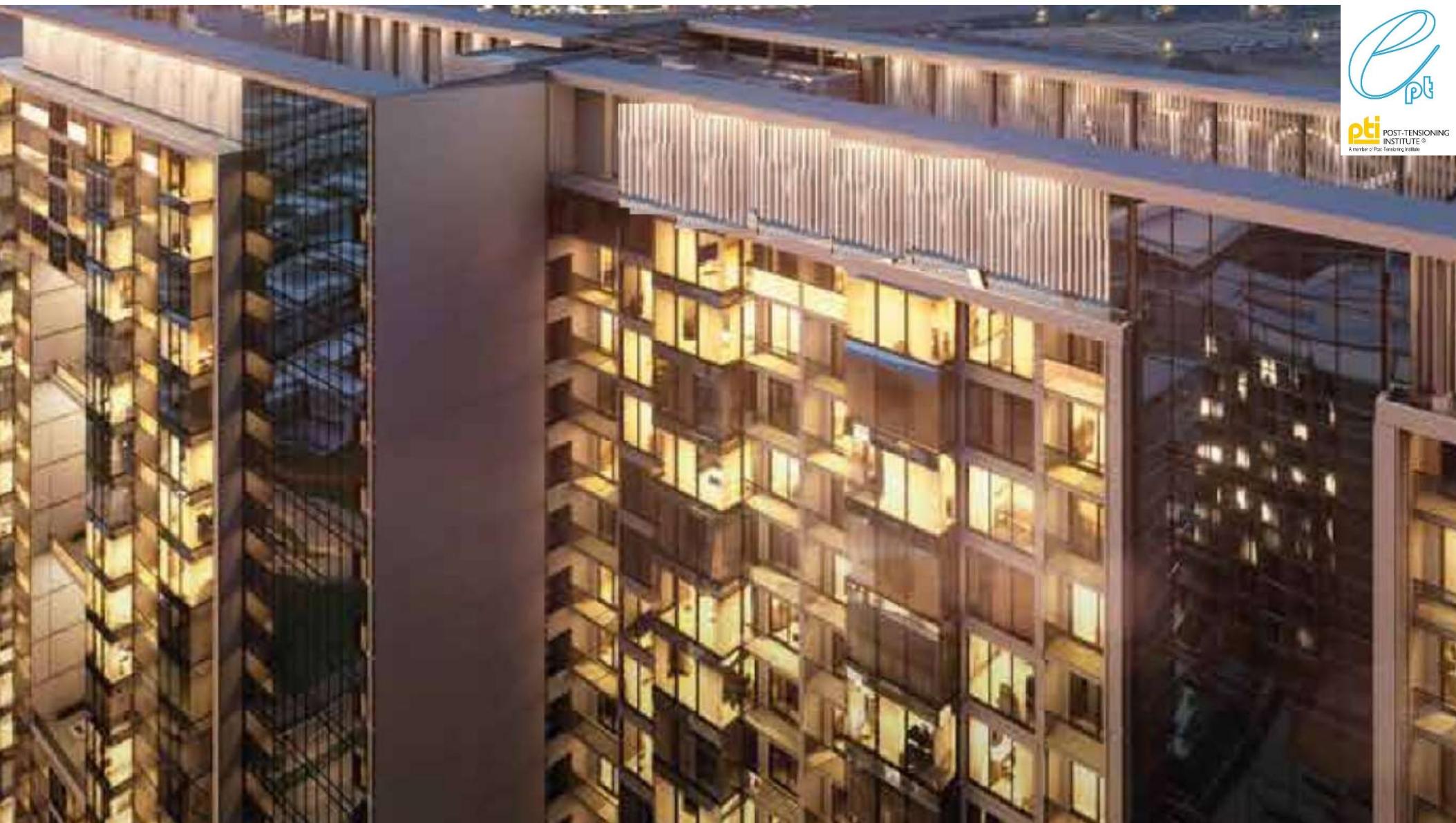
Posttension
concrete

Mega construction projects



Posttension
concrete







REQUEST FOR TECHNICAL APPROVAL		DATE : 20 03 2016	
PROJECT TITLE/LOCATION : Al Hairy Tower - Al Khobar, CLIENT : Al Hairy Overseas.		SUBMITTAL CODE:	
 ISRAEL JACOBSON General Contracting		Ibraheem A. ASMAEL GEN CONTRACTING P.O. BOX 1437, ALKHOBAR, KSA	
TO : AECOM ATTN: Eng. Mosa Jadallah CONSULTANT PROJECT MANAGER		PROJ. NO. : 1966	
REFERENCE SUBMITTAL NO. SUB-1966-S-22		<input checked="" type="checkbox"/> NEW SUBMITTAL <input type="checkbox"/> RESUBMITTAL	
MANUFACTURER / SUPPLIER		CATALOGUE SPECIFICATION MANUFACTURER'S DATA SAMPLE DRAWING NO.	
ITEM NO.	DESCRIPTION	1. PREQUALIFICATION DOC.	
	1-POST-TENSION SUBCONTRACTING CO.	Last Item	
..... Last Item Last Item	
SUBMITTED BY: ENGR. MAI**		 HILL International Consulting Engineers	
16 Feb 2017		CONSULTANT SIGNATURE:  Date : 20/03/2016	

SUBMITTED BY: ENGR. MAI		ARABIA JUBAIL INDUSTRIAL CITY	
<p align="center">Hill International</p> <p align="center">Jubail Holiday Inn Hotel</p> <p align="center">SUMMITAL FORM</p> <p align="center">Work Package</p>			
Contract No	PRA-00004-00	Date	16 Feb 2017
Submitted No.	CPA-B-008-01	Revision	1
Description	COMPANY PROFILE (ESOLUTION FOR POST TENSIONING) REV. 01	Planned Date	
Category	SIC-7 Subcontractor Approval	Attention	Ahmed Bohamie
To	Jan Macaspac	Submitted by	Jan Macaspac
From	MOM	Zone	
Reference		Level	
Discipline		Area	
Space & BOD Ref		SENDER	
Name	Jan Macaspac	Signature	
<p align="center">SUPERVISION CONSULTANT'S COMMENTS</p> <p align="center">1.0 Design Team is available from NYDIT & DOBDA with required resources. 2.0 To provide written confirmation, as required.</p>			
Reviewed by		Signature	Date
Resident Engineer	Roger Charles	Signature	Date
	Mr. Approved as Worst / Mr. Revises & Resubmits	Signature	Date
	PROJECT MANAGEMENT CONSULTANT'S REVIEW		
Name	Ahmed Bohamie	Signature	Date
Role	Project Manager	Role	Wael Alfeef
Ward	Ward 01	Relieve	Wael Alfeef
Date	25.2.2014	Date	22.2.2014
<p align="right">Date: 20/03/2018</p>			

Abdul Latif Jameel LAND
Request # DA-024-STR-R1 Date 07/Nov/2019

طلب اعتماد مستندات Documents Approval Request
New-submit تقديم جديد
Re-submit إعادة تقديم
تعديل المحتوى تعديل المحتوى
العنوان العنوان
Dari Qurish Apartment Buildings
Abdul Latif Jameel Lands Company

Ghonaib International Company
Talal Kurdi Consultants

Confirmation Letters from Post-tension supplier (E-solutions).
 التوضيف

Attached: 1 Confirmation Letters from Post-tension supplier (E-solutions).

NAGA architects designers & planners
Contractor: SHAM for INDUSTRY & CONTRACTING
Project: RATAL
Date: 26/2/2012

TRANSMITTAL OF DOCUMENTS

1. SUBJECT DESCRIPTION:
POST TENSION Schedule

Type of Document: Prequalification
 Method Statement
 Calculation

Area of Application:

2. SUBMITTAL DETAILS

Document Description	Rev.
E-SOLUTION SYSTEM	0
Submi: 1	
Date: 2	
3	
From The Contractor: 4	
Signature: 5	
Project No: 6	
Project Name: 7	
Client: 8	
Address: 9	
Approval requested for : E-SOLUTION Prequalification as A SUB-CONTRACTOR APPROVAL REQUEST	
Tension Works .	
RECEIVED BY CONSULTANT : MRSI EHAF CONSULTING ENGINEER	
Dear Sirs , Please find enclosed here with 2 sets of Prequalification of Proposed subcontractor which includes the following :	
1. Name and classification 2. Details of recent performances 3. Type, Number and current location of plants to be deployed 4. Full list of names, Qualifications and Experience of staff 5. Detailed and comprehensive method statement of performance 6. Written confirmation that he will Act and Comply in full con-	
The contract and the main contractor's construction program 7. Certificates / Licenses from relevant authorities	
APPROVED AS NOTED	
Comments of Employer's Representative & Project Director (ICC) Signature	
Employer's Representative & Project Director Signature	
Date: 3/13/15	

RECEIVED
25 JUL 2016

Construction RECEIVED Department

REVIEWER COMPANY FORM

REVIEWER: Issem Abdalla Designation: First Lead Engineer
Review Comments: _____

REVIEWER: Hesham Abdulwahab Designation: Acting Project Manager
Review Comments: _____

REVIEW BY: DESIGN CONSULTANT DOCUMENT

TYPE OF SUBMITTAL: PREQUALIFICATION POST - TENSIONING SUBCONTRACTOR (E. SOLUTION)

SUBJECT: PREQUALIFICATION POST - TENSIONING SUBCONTRACTOR (E. SOLUTION)

REVIEWER: Khatib & Alami SSEC
Item No.: Title / Reference No. of Document Received
Comments: We are in receipt of your submittal which is received via Transmittal No. TH01-PH-Acc-KAA-PREQ-ST-472 dated 18.07.2016 for PREQUALIFICATION POST - TENSIONING SUBCONTRACTOR (E. SOLUTION) is reviewed and approved with the following comments:
1. All works to be in line with project specs and related standards/ codes.
2. Separate transmittal to be submitted for materials and method statement approvals.
3. All works to be in line with the local authority regulation and labor law.
4. Updated copies of legal registrations/ certificates to be provided.
5. Code "B" Approved as noted.

REVIEWER COMPANY NAME: KHATIB & ALAMI (SSEC)
FILE: Issem Abdalla Designation: First Lead Engineer
Review Comments: _____
Acting P.M.: Hesham Abdulwahab Designation: Acting Project Manager
Review Comments: _____

PROJECT NAME	COUNTRY	CITY	Consultant	Contractor	Area	Levels	
Yanbu Housing programs buildings	Saudi Arabia	Yanbu	Saud Consult	AJAD	280000 ongoing	G+5+R	Ongoing
Zakhir City Tower	Saudi Arabia		Khatib&Alami	Al_Aref	160,000	2B+G+35+R	Closed
Al-Loft Hotel-01	UAE-Dubai	Garhoud	Kling Consultant	ASCG	25,000	B+G+M+12	Closed
Al-Loft Hotel-02	UAE-Dubai	Reffaa	Kling Consultant	ASCG	32,000	B+G+M+12	Closed
Al-Ain Palace	UAE	Al-Ain	Matrix Engineering	Modular	3000		Closed
1097-Al Ghurair	UAE	Dubai	Muhammad Al sheikh mubarak	Al-Ashram	35,000		Closed
1101-Al Ghurair	UAE	Dubai	Muhammad Al sheikh mubarak	Al-Ashram	32,000		Closed
Plot No 6140328	UAE	Dubai	Ousus Interantional	Al Jumairi	8,000	B+G+2+R+TR	Closed
Plot No IC3-B-9	UAE	Dubai	Osus International	Ideal Contracting	20,000	B+G+5+R+TR	Closed
Z06-R05 - Egypt-New Admininstrative Capital		Cairo	ECG	Hassan Allam	200,000	B+G+6+R	Closed
Al Thumama Staduim	Qatar	Doha	Heerim-USA	Barwa	40 Thousand Audiances		Closed
Engineering College	Saudi Arabia	Taif	Zuhair Fayez	Thumama	120,000.00	G+3+R	Closed
Sanabel Al Kheer-07	Saudi Arabia	Mecca	Zuhair Fayez	Al-Aref	60,000	2B+G+22+R	Closed

PROJECT NAME	COUNTRY	CITY	Consultant	Contractor	Area	Levels	Status
Sanabel Al Kheer-10	Saudi Arabia	Mecca	Zuhair Fayez	Al-Hemidan	70,000	2B+G+25+R	Closed
Al-Telal Hotels	Saudi Arabia	Mecca	Makeyoon	Makeyoon	90,000 (4Bldgs)	2B+G+30+R	Closed
Drug Control BLDG	Saudi Arabia	Riyadh	Zuhair Fayez	Nasq	20,000-Ministry of Interiors		Closed
Dentisery college	Saudi Arabia	Jouf	Eductional	Dar moedat Kuwaiti Investment Group	100,000.00	G+4+R	Closed
Dammam Pavilion	Saudi Arabia-Khobar Mixed use large cantilevrs of 6.00 m all around				20,000.00	G+2+R	Closed
Adjan Souq	Saudi Arabia	Dammam	EHAFF	MASH	20,000		Closed
Al Suhaim Tower	Saudi Arabia	Dammam	EHAFF	ALSMAIL	38,000	G+35+R	Closed
Hotel-Medical village	Saudi Arabia	Riyadh	Hotel	AMC	25,000	G+22+R	Closed
Infinity Hotel	Saudi Arabia	Mecca	Hotel	AMC	40000	G+30	Closed
Lotus towers	Saudi Arabia-	Khobar	Residential	Zahra	25,000.00	G+6+R	Closed
Pearl compound	Saudi Arabia	Riyadh		Zahra	60,000.00	G+3	Closed
Infintiy hotel	Saudi Arabia	Mecca	Hospitatlity	projects	45,000.00		Closed
Medicene College	Saudi Arabia	AI-JOUF	Eductional		fawzan	60,000.00	G+3

PROJECT NAME	COUNTRY	CITY	Consultant	Contractor	Area	Levels	Status
Bargash Tower	Saudi Arabia		EHAFF	ALSMAIL	25,000.00	G+18+R	Closed
Rabiaa Community Villas	Saudi Arabia	Riyadh	NAGA Architect	sham	250,000.00	G+2+R	Closed
Madina Chamber	Saudi Arabia	Madina	APG	mobco	28,000	G+2+R	Closed
Rotana Centro	Saudi Arabia	Dammam	EHAFF	ALSMAIL			Closed
ObikanTower	Saudi Arabia	Riyadh	Saud Consult	ALSMAIL	35,000	2B+G+M+28+R	Closed
Rahaf Al Masher	Saudi Arabia	Mecca	Hospitatlity	sakalt jedah	25,000	2B+G+M12+R	Closed
Dohian Palace	Saudi Arabia	Riyadh	Residential	attad	12,000		Closed
Izdhar Building	Saudi Arabia	RIYADH	ALARABI	BAN	70,000	G+5	Closed
Al Masfala	Saudi Arabia	Mecca	Mixed use	alarif	45,000	2B+G+M16+R	Closed
Arabtec Affordable Housing	EGYPT		Residential		250,000		On Hold
Anfa Tower		Morroco	Mixed Use		45,000	G+25+R	Closed
Park One Avenue		Dubai	PNC Architect	Sobha Construction	60,000	G+24+R	Closed
Fatma Bin Mohammed	Dubai		Design Center	BB Contractors	15,000	2B+G+3+R	ongoing
Aswan Bridge	Aswan-Egypt						Ongoing
Mostaqabl City Bridge	Cairo						Ongoing
ibn khaldon schoor alrayan	Saudi Arabia	Riyadh	consultan groupe	ibn khaldon	30,000	B+G+3	Ongoing
ibn khaldon schoor Alyasmen (girlie	Saudi Arabia	Riyadh	consultan groupe	ibn khaldon	30,000	B+G+3	Closed

PROJECT NAME	COUNTRY	CITY	Consultant	Contractor	Area	Levels	Status
ibn khaldon schoor alyasmen (boy	Saudi Arabia	Riyadh	consultan groupe	ibn khaldon	30,000	B+G+3	Closed
The Walk	Saudi Arabia	Riyadh	saudi arch	Tarouk	50,000	B+G+5	Closed
CENTURY CORNER	Saudi Arabia	Riyadh	Arkiteck	kayan	50,000	2B+G+4	Ongoing
Pedestrain bridge	Emaar - Marasi		Al-Zanaty	ACC			Ongoing
Bridge	Saudi Arabia-Madina		Aba-Al Khail	Mobco			Ongoing
Yanbu Housing programs buildings	Saudi Arabia	Yanbu	Saud Consult	AJAD	280,000	G+5+R	ongoing
Roba makka	Saudi Arabia	makkah		makyon	60,000	2B+20+R	Ongoing
Novotel Riyadh	Saudi Arabia	Riyadh	Soudcobsult	Saudi frist	18,000	G+18	Ongoing
Panorama Villa	Saudi Arabia	Riyadh			35,000		Ongoing
souq jedah	Saudi Arabia	jedah					Ongoing
DARI APARTMENT	Saudi Arabia	JEDAH	TALAL KURDY	GHNIM			Ongoing
Qourtuba school	Saudi Arabia	riyadh					Ongoing
DERA Hospitality	Saudi Arabia	riyad					Ongoing
medicla village	Saudi Arabia	riyadh		vision		4 tower	Closed
Joberg Hotel	Ethiopia	Addis		Joberg	60,000	Twin Hotel G+24+R	Ongoing
Galala waste treatment planet	Egypt						
Zenata Towers	Morocco	Casa			25,000		Ongoing



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Posttension concrete Specialists