

CORPORATE CREDENTIALS



POST-TENSIONING SYSTEMS

DESIGN • SUPPLY • INSTALLATION

20
26





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BUILDING A STRONGER TOMORROW

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WHO WE ARE

COMPANY OVERVIEW

Build Wise Group is a specialized contracting company established in 2017, with its roots in Kuwait through BRONZI-PT.

Since inception, the company has focused on post-tensioning systems and specialized construction solutions, delivering reliable engineering, supply, and execution services.

Over the years, BWG has expanded its operations into Saudi Arabia and Bahrain, building a strong track record based on quality, technical expertise, and dependable project delivery.

CORPORATE REGISTRATIONS & LEGAL DOCUMENTS



COMMERCIAL REGISTRATION CERTIFICATE

Issued by the Ministry of Commerce – Kingdom of Saudi Arabia
CR No.: 7049238293



VAT REGISTRATION CERTIFICATE

Issued by ZATCA – Kingdom of Saudi Arabia
VAT No.: 312898376700003

شهادة تسجيل في ضريبة القيمة المضافة
VAT Registration Certificate

تشهد هيئة الزكاة والضريبة والجمارك بأن المصنف أدناه مسجل في ضريبة القيمة المضافة بتاريخ 2026/05/01 م
The Zakat, Tax and Customs Authority certifies that the taxpayer below is VAT registered on 01/05/2026 AD

TIN	3128983767	رقم المصنف
Certificate No.	30026117182109	رقم الشهادة
Certificate date	2026/05/01	تاريخ الشهادة

المملكة العربية السعودية
Kingdom of Saudi Arabia

هيئة الزكاة والضريبة والجمارك
Zakat, Tax and Customs Authority

Taxpayer Name	شركة بيلد وايس للمقاولات	اسم المصنف
VAT Registration Number	312898376700003	رقم التسجيل الضريبي
Effective Registration Date	2026/05/01	تاريخ نفاذ التسجيل
Taxpayer Address	الرياض، الرياض رقم 361، 13327	عنوان المصنف
CR National Number / License / Contract / ID No.	7049238293	الرقم الموحد للسجل التجاري / الرخصة / العقد / الهوية
Tax Period	ربع سنوي	الفترة الضريبية
First Filing due date	2026/07/31	تاريخ استحقاق أول إقرار ضريبي

ملاحظة: كشخص مسجل في ضريبة القيمة المضافة، لا يجوز لكم تحصيل ضريبة القيمة المضافة من عملائكم قبل تاريخ نفاذ التسجيل في الضريبة. وفي حال غير ذلك ستفرض هيئة الزكاة والضريبة والجمارك بتنفيذ الغرامات المستحقة.

Note: As a VAT registered taxpayer, you are not allowed to collect VAT from your customers prior to the effective date of the tax registration. If otherwise approved, The ZAKAT, Tax and Customs Authority will impose the applicable penalties.

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هذه الوثيقة مسجلة من النسخ الأتية ولا تحتاج إلى توقيع
و لا يخلو هذه الشهادة إلا بهذا التاريخ من موقع الهيئة
www.zatca.gov.sa

Vision, Mission & Strengths

→ Vision

To become a trusted regional specialist in post-tensioning and advanced construction solutions, recognized for technical excellence, reliable delivery, and long-term value for our clients.

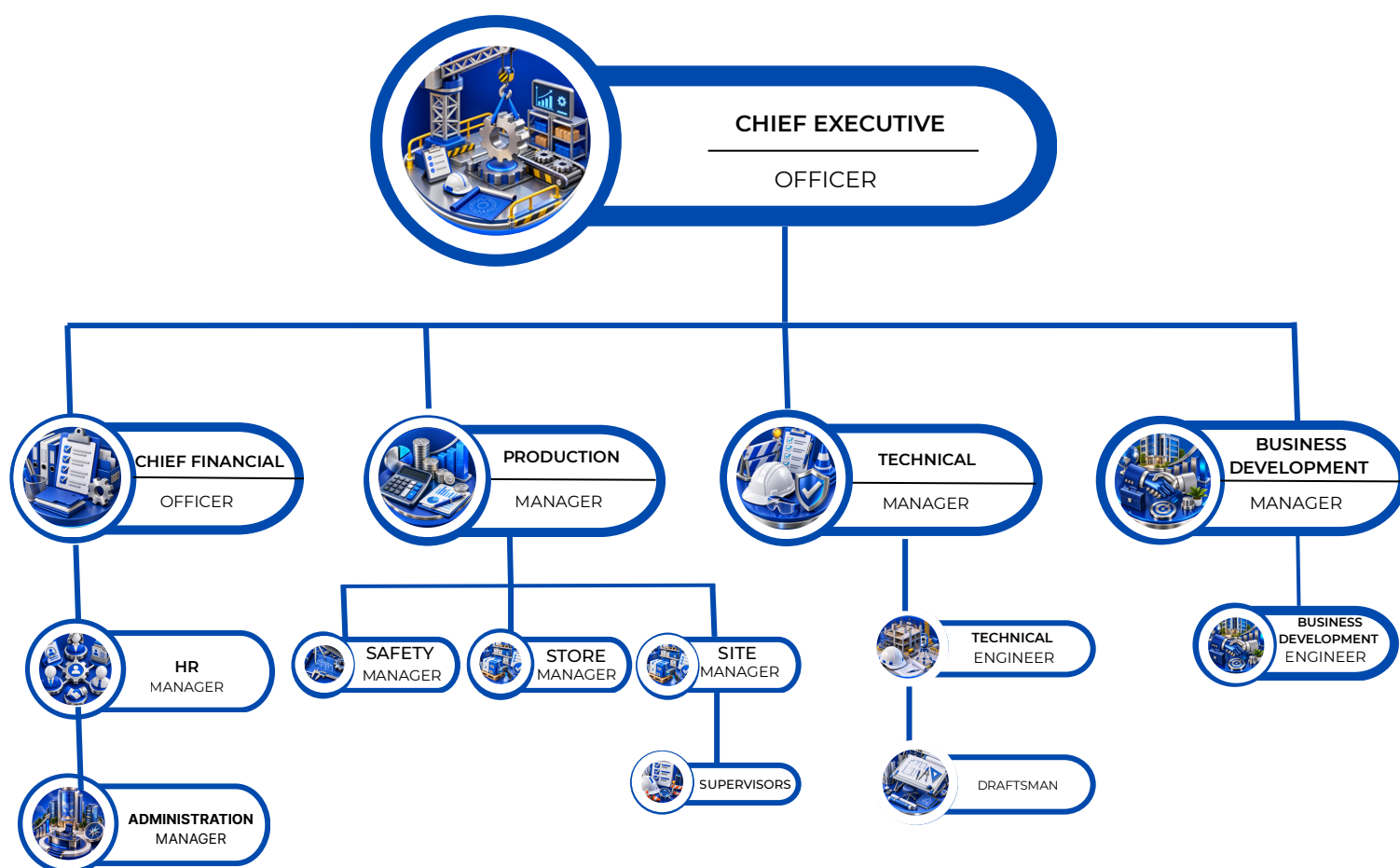
→ Mission

To deliver safe, efficient, and technically sound post-tensioning solutions through integrated design, supply, and execution, supported by qualified teams, reliable materials, and disciplined project delivery.

→ Strengths

- Specialized post-tensioning expertise
- Integrated design, supply & execution
- Experienced technical and site teams
- Quality-focused project delivery
- Fast-track execution capability
- GCC market experience

Organizational Structure & Management Team



OUR SERVICES OVERVIEW



Post-Tensioning

Design. Supply. Execution. One Integrated Solution.

POST-TENSIONING

We offer reliable solutions tailored for modern building and infrastructure projects, focusing on quality and precision.

Flat slabs · Band beams · Transfer beams · PT Rafts

01 DESIGN

- Post-tensioning design and load balancing to project requirements
- Tendon layout, drape profile and stressing calculations
- Shop drawings coordinated with structural design and MEP openings
- Value engineering and buildability input at tender stage

02 SUPPLY

- Strand, galvanized ducts, anchorages and wedges from approved suppliers
- Grout materials, vents, couplers and accessories
- Mill and conformity certificates with each delivery
- Deliveries coordinated with the site pour programme

03 EXECUTION

- Duct and anchorage installation, profiling and strand threading
- Stressing with calibrated jacks; force verified against elongation
- Grouting to EN 447 / PTI M55.1
- Anchorage sealing and full as-built records

POST-TENSIONING SYSTEM COMPONENTS



FLAT DUCTS

PC STRAND
12.7 / 15.2 mm

RECESS FORMER

ANCHORAGE
S3

ANCHORAGE
S5

WEDGES

POST-TENSIONING FUNDAMENTALS

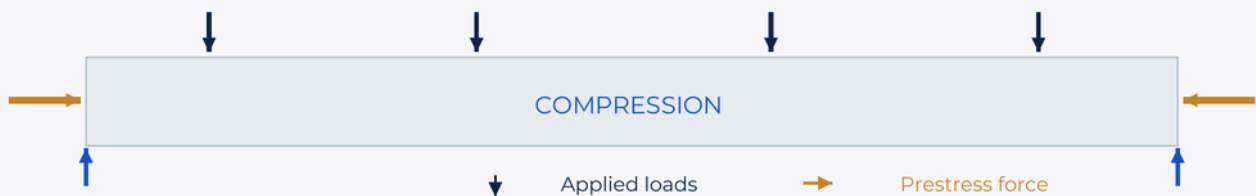
Prestressing principles and the two methods of tendon stressing.

01 REINFORCED CONCRETE PASSIVE REINFORCEMENT



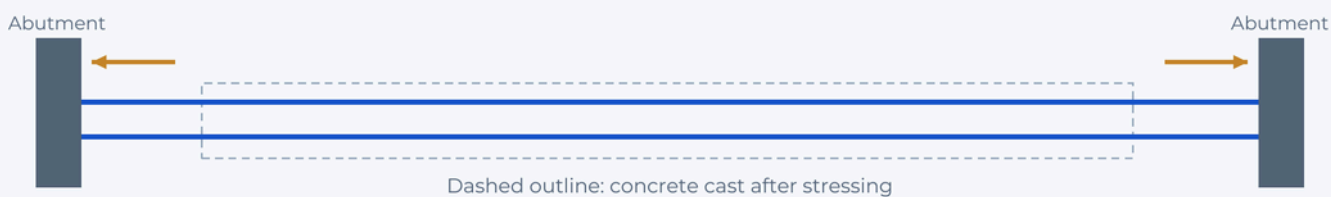
Reinforcement resists tensile forces and helps control crack widths.
Cracking may occur under service loads, depending on the design and loading.

02 PRESTRESSED CONCRETE ACTIVE PRECOMPRESSION



Prestressing introduces compression to counteract tensile stresses from loads.
It helps control cracking and deflection; performance depends on the design.

03 PRE-TENSIONING TENDONS STRESSED BEFORE CONCRETE IS CAST



Tendons are stressed against abutments before concrete is cast.
At transfer strength, tendons are released and force transfers by bond.

04 POST-TENSIONING TENDONS STRESSED AFTER CONCRETE REACHES SPECIFIED STRENGTH



Tendons are stressed after concrete reaches the specified strength.
Anchorage retain the prestress in cast-in-place or precast concrete.

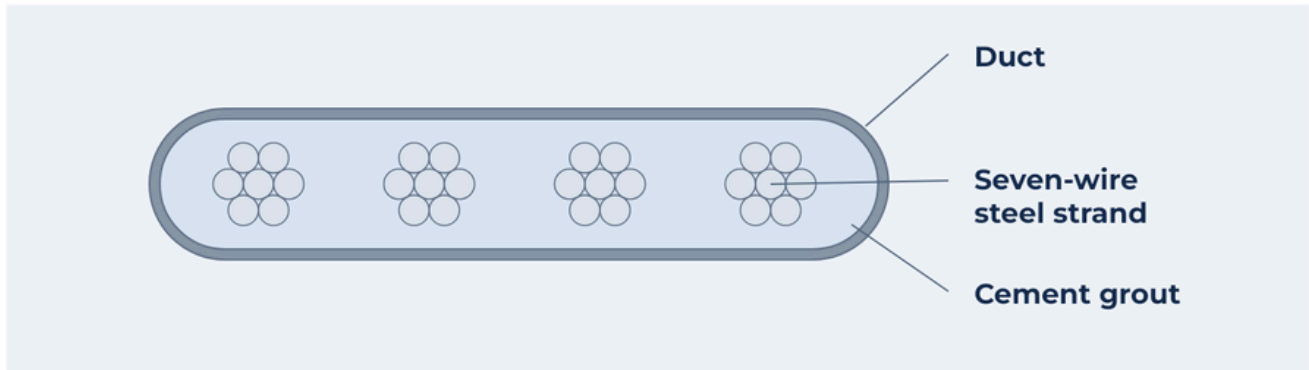
POST-TENSIONING FUNDAMENTALS



Bonded vs Unbonded

BONDED TENDONS

Multiple strands within a grouted duct



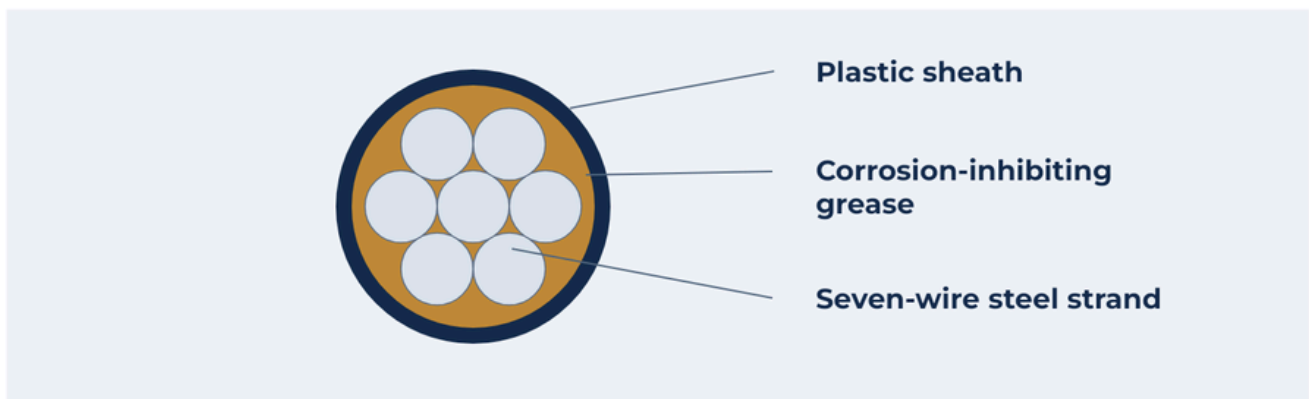
Grout develops bond along the tendon after it hardens.

The duct contains the strands and grout provides corrosion protection.

Grouting quality, venting and complete filling are essential.

UNBONDED TENDONS

Individually greased and sheathed monostrand



End anchorages transfer the prestressing force to the concrete.

Grease and sheathing prevent continuous bond with the concrete.

No cement grout surrounds the strand inside its individual sheath.

Both systems require designed anchorages and suitable corrosion protection.

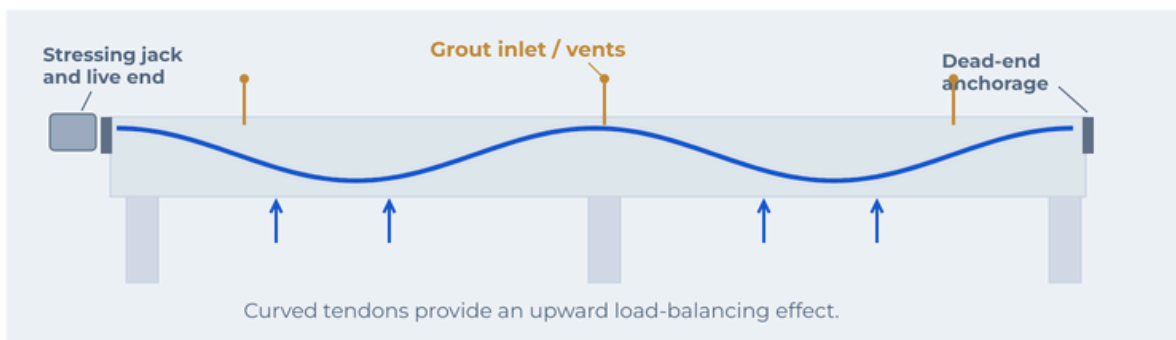


POST-TENSIONING FUNDAMENTALS

POST-TENSIONING FOR BUILDINGS

BONDED SLAB / BEAM

Longitudinal section through a continuous member



EXECUTION SEQUENCE

- 1 Install anchorages and ducts
- 2 Place strands and reinforcement
- 3 Cast and cure concrete
- 4 Verify strength and stress tendons
- 5 Check elongation and lock off
- 6 Trim, grout and seal anchorages

APPLICATIONS

Building floors and roofs
Podium and parking decks
Transfer beams and plates

DESIGN BASIS

Adopted building code
ACI 318 / EN 1992
PTI guidance / TR43

POTENTIAL BENEFITS

Longer spans and fewer columns
Efficient slab depth
Crack and deflection control

Spans, slab depth and construction benefits depend on loads, geometry and design.

POST-TENSIONED FLOOR SYSTEMS

ONE-WAY SLAB ON BEAMS



SOLID FLAT PLATE



FLAT SLAB WITH DROP PANELS



BAND BEAM AND SLAB



RIBBED / WAFFLE SLAB



TRANSFER BEAM



POST-TENSIONING EQUIPMENT & MATERIALS

Specialized equipment for installation, stressing and grouting operations



Mono-Strand Stressing Jack



Hydraulic Stressing Pump



Grout Mixer



Site Consumables & Accessories



Strand Bulbing Machine

POST-TENSIONING EQUIPMENT

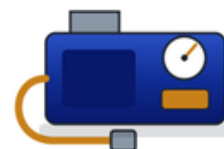
Plant and tooling mobilised by Build W Group for a bonded PT package



Mono-Strand Jack
20–30 t · 200 mm stroke



Multi-Strand Jack
250–650 t capacity



Hydraulic Power Pack
700 bar · calibrated gauge



Grout Mixer & Pump
Colloidal · 1500 rpm high-shear



Strand Push-Through
Threading strand into ducts



De-Coiler & Cutter
Strand dispensing & cutting

EQUIPMENT SCHEDULE

Equipment	Typical specification	Function on site
Mono-strand hydraulic jack	20–30 t · 200 mm stroke · ~ 22 kg	Stressing single strands in slab tendons; light and one-man handled
Multi-strand hydraulic jack	250 / 350 / 650 t · 200–300 mm stroke	Stressing 7 to 31-strand tendons in beams, transfer girders and rafts
Electric hydraulic power pack	700 bar · 1.5–5.5 kW · calibrated gauge	Drives the jacks; pressure read against the jack calibration chart
Colloidal grout mixer & pump	High-shear ≥ 1 500 rpm · 200–400 l · 10 bar	Mixing and injecting cement grout to fill and protect the ducts
Strand push-through machine	30–60 m/min feed	Threading strand through installed ducts before or after concreting
Strand de-coiler	3 t coil capacity · braked cage	Controlled pay-off of strand from the coil without kinking
Hydraulic shear / abrasive saw	Cutting capacity to 20 mm	Cutting strand tails after lock-off, min. 20 mm behind the wedges
Duct & anchorage tooling	Couplers, sealing tape, grout caps, vents	Duct assembly, sealing and preparation for grouting
Calibration & QC set	Load cell, dial gauge, flow cone, cube moulds	Jack calibration (6-monthly), elongation checks and grout testing

PRESTRESSING STRAND

Typical supply: 12.7 mm strand for slabs and 15.24 mm strand for beams and transfer members.

7-Wire Prestressing Strand — Geometry & Designation



STANDARDS COMPARISON — 7-WIRE LOW-RELAXATION STRAND

Property	ASTM A416 Gr. 270	BS 5896 : 2012	EN 10138-3
Designation	0.6 in – Grade 270	Y1860S7 – 15.7	Y1860S7 – 15.7
Nominal diameter	15.24 mm	15.7 mm	15.7 mm
Nominal area A_p	140 mm ²	150 mm ²	150 mm ²
Tensile strength f_{pk}	1 862 MPa (270 ksi)	1 860 MPa	1 860 MPa
Min. breaking force F_m	260.7 kN	279 kN	279 kN
Yield / proof force	≥ 234.6 kN (1.0% ext.)	≥ 240 kN (0.1%)	≥ 240 kN (0.1%)
Elongation at F_m (Agt)	$\geq 3.5\%$	$\geq 3.5\%$	$\geq 3.5\%$
Relaxation 1000 h @ $0.7F_m$	$\leq 2.5\%$	$\leq 2.5\%$ (Class 2)	$\leq 2.5\%$ (Class 2)
Modulus E	≈ 195 GPa	≈ 195 GPa	≈ 195 GPa

STRAND SIZES SUPPLIED

$\emptyset$ (mm)	A_p (mm ²)	F_m (kN)	kg/m
12.70 (0.5")	98.7	183.7	0.775
12.9	100	186	0.781
15.24 (0.6")	140	260.7	1.102
15.7	150	279	1.172

Coil weight 2.5-3.0 t . weather-proof wrapping . mill certificate per coil

GALVANIZED STEEL DUCTS

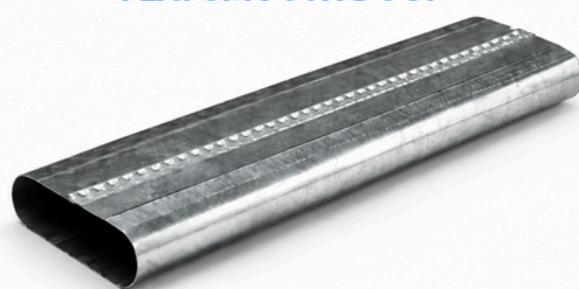
Duct types, dimensions and installation for internal bonded post-tensioning

ROUND CORRUGATED DUCT



Corrugated steel sheath

FLAT SMOOTH DUCT



Flat (oval) steel sheath

DUCT SELECTION FOR BONDED PT

For internal bonded post-tensioning, duct selection should ensure grout tightness, durability, and reliable bond transfer between the tendon grout and surrounding concrete.

Galvanized steel or plastic ducts are commonly used where mechanical interlock and enhanced bond performance are required.

DUCT INSTALLATION & QC

- Ducts supported at max. 1.0 m centres and profiled to the approved tendon profile.
- Joints sleeved, sealed and made grout-tight; vents provided at high points and anchorages where required.
- Duct integrity checked before concreting; any blockage cleared using approved air or water flushing procedures.

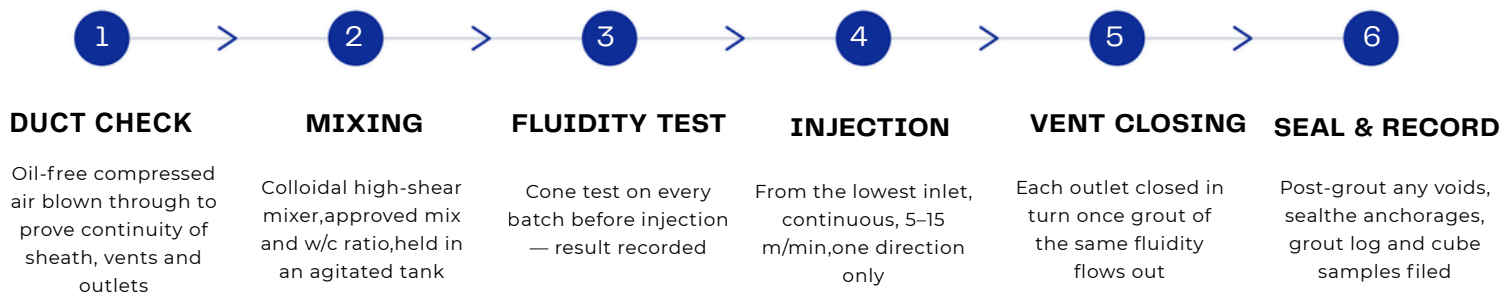
12.7 mm (0.5") STRAND

15.24 mm (0.6") STRAND

Tendon unit	A _p (mm ²)	Duct ID (mm)	Duct OD (mm)	A _p (mm ²)	Duct ID (mm)	Duct OD (mm)
3 strands	296	45	50	420	50	57
4 strands	395	45	50	560	55	62
5 strands	494	50	57	700	60	67
7 strands	691	55	62	980	65	72
9 strands	888	60	67	1 260	75	82
12 strands	1 184	70	77	1 680	80	87
15 strands	1 481	75	82	2 100	90	97
19 strands	1 875	85	92	2 660	95	102
22 strands	2 171	90	97	3 080	100	107

GROUTING MATERIAL & SITE EXECUTION

Filling and protecting the duct: the operation that makes a bonded tendon work



GROUT REQUIREMENTS

Property	EN 447	PTI M55.1
Water / cement ratio	normally below 0.40	≤ 0.45
Fluidity — cone method	$t_0 \leq 25 \text{ s} \cdot t_{30} \leq 25 \text{ s}$	5 – 30 s per litre
Bleeding at 3 h	≤ 0.3 % of volume	0.00%
Volume change at 24 h	- 1 % to + 5 %	0.0 % to + 0.1 %
Compressive strength 7 d	≥ 27 MPa	≥ 21 MPa
Compressive strength 28 d	≥ 30 MPa	≥ 34.5 MPa
Chloride content	≤ 0.10 % of cement mass	≤ 0.08 %

WHAT THE GROUT DOES

- Fills the duct completely and bonds the strand to the structure so tendon and concrete act together
- Holds the force by bond along the whole strand — once grouted, a cut or damaged strand re-anchors over a short transmission length instead of releasing the whole tendon
- Provides the primary corrosion protection to the prestressing steel
- CEM I 42.5 / 52.5, potable water and chloride-free admixture, or a pre-bagged proprietary grout

QUALITY, SAFETY & COMPLIANCE

Precautions and control points applied to every post-tensioning operation

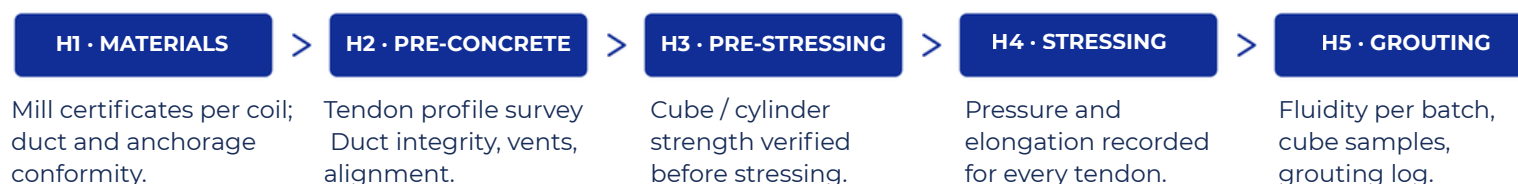
SAFETY — STRESSING, CUTTING & GROUTING

- Establish an exclusion zone directly behind the jack, with barricades and warning signs. No personnel shall stand in line with the tendon during stressing.
- Support or suspend the jack independently. Use hoses rated for the working pressure and fitted with whip-check restraints.
- Allow only trained and authorised operators to carry out stressing under a stressing supervisor, in accordance with an approved method statement and risk assessment.
- Cut strands using a disc cutter, leaving at least 20 mm beyond the wedges, with the strands restrained against recoil. Flame cutting at the anchorage is prohibited.
- During grouting, set the pressure-relief valve below the maximum allowable pressure, wear appropriate PPE for cement exposure, and keep personnel clear of the area directly above the injection point.
- Lift strand coils using rated slings and release them only within a braked de-coiler. Handle coils carefully due to their stored energy.
- Provide edge protection and safe access at every live-end anchorage and stressing pocket.

QUALITY MANAGEMENT

- Issue the approved method statement and inspection and test plan before mobilisation.
- Maintain full material traceability, including manufacturer's certificates for strands, ducts, anchorages, and grout.
- Ensure jacks and gauges are calibrated as matched sets, with valid calibration certificates available on site.
- Cross-check the stressing force against the measured elongation for every tendon. Investigate and resolve any discrepancy before cutting the strands.
- Test grout fluidity for every batch, take cube samples, and complete and sign the grouting log upon completion.
- Raise, close out, and re-inspect all non-conformances in accordance with the project QA procedure.
- Prepare and hand over the as-built tendon layout and complete quality records at practical completion.

QUALITY HOLD POINTS



SUSTAINABILITY & ENVIRONMENTAL RESPONSIBILITY

At BWG, we aim to reduce the environmental impact of our post-tensioning and specialist construction activities through efficient design, responsible material use, and careful execution.

Our approach focuses on four key areas:

- **MATERIAL EFFICIENCY**

Developing efficient post-tensioning solutions within our design scope, with material quantities aligned to structural and project requirements.

- **WASTE REDUCTION**

Planning quantities, cutting schedules, storage, and handling to minimise material waste, damage, and rework.

- **RESPONSIBLE SOURCING & LOGISTICS**

Seeking suitable local suppliers where project specifications allow, and coordinating deliveries to reduce unnecessary transport and handling.

- **EFFICIENT SITE OPERATIONS**

Planning work sequences and equipment use to limit idle time and unnecessary energy consumption while maintaining quality and safety.

We seek to support each project's environmental objectives in collaboration with clients, consultants, and suppliers.



PROJECT PORTFOLIO



POST-TENSIONING PROJECTS REFERENCE LIST

No.	Project	Type	Built-up Area (m ²)	Scope	Year	Status
1	Al Shayaa Towers	Tower	30,000	Design, supply and supervision	2017	Completed
2	Al Khiran Chalet	Chalet	450	Design, supply and supervision	2018	Completed
3	Mansoria Villa	Villa	750	Design, supply and supervision	2018	Completed
4	Al Qadsiah Villa	Villa	2,200	Design, supply and supervision	2018	Completed
5	Alshaya Showroom	Showroom	8,700	Design, supply and supervision	2018	Completed
6	Al Omaria Villa	Villa	950	Design, supply and installation	2019	Completed
7	Al Rai Showroom	Showroom	750	Design, supply and installation	2019	Completed
8	Al Wazan Factory	Factory	8,900	Design, supply and supervision	2019	Completed
9	Mushrif Villa 1	Villa	1,200	Design, supply and installation	2020	Completed
10	Mushrif Villa 2	Villa	2,350	Design, supply and installation	2020	Completed
11	KAICO Showroom	Showroom	7,000	Design, supply and installation	2020	Completed
12	Mushrif Villa 3	Villa	550	Design, supply and installation	2021	Completed
13	Abu Al Hasania Villa	Villa	2,300	Design, supply and installation	2021	Completed
14	Avenue Bridge RA/266	Bridge	—	Installation only	2021	Completed
15	Ashkinani Tower	Tower	16,000	Design, supply and supervision	2022	Completed
16	Roof Frame Villa	Villa	—	Design, supply and supervision	2022	Completed
17	Al Baqie Mosque	Mosque	800	Design, supply and installation	2022	Completed
18	Shuwaikh 30 A Mall	Mall	12,000	Design, supply and supervision	2023	Completed
19	Tennis Yard	Sports Facility	1,000	Design, supply and installation	2023	Completed
20	Sadeeq Villa	Villa	1,750	Design, supply and installation	2023	Completed
21	Masayel Villa	Villa	1,500	Design, supply and installation	2023	Completed
22	Asfour Tower	Tower	400	Design, supply and installation	2023	Completed
23	Ahmadi Warehouse	Warehouse	5,000	Design, supply and installation	2023	Completed
24	Hall Project - SEC	Hall	800	Design, supply and installation	2023	Completed
25	Breira Hotel - Salmiya	Hotel	13,000	Design, supply and supervision	2023	Completed
26	Galeea Chalet	Chalet	1,500	Design, supply and installation	2023	Completed
27	Medical Tower - Group A	Medical	14,000	Design, supply and supervision	2023	Completed
28	Mutlaa Villa	Villa	800	Design, supply and installation	2024	Completed
29	Ganoub Abdullah Villa	Villa	1,000	Design, supply and installation	2024	Completed
30	Jabriya Halls	Hall	3,000	Design, supply and installation	2024	Completed
31	Sharq Tower 465	Tower	4,500	Design, supply and installation	2024	Completed
32	Khitan Villa / PT Beams	PT Beams	—	Design, supply and supervision	2024	Completed
33	Nezar Mosque / PT Beams	PT Beams	—	Design, supply and supervision	2024	Completed
34	Massayel Villa	Villa	800	Design, supply and installation	2024	Completed
35	Khitan Villa	Villa	1,200	Design, supply and installation	2024	Completed
36	Free Zone	Industrial	2,200	Design, supply and installation	2024	Completed
37	MG Showroom	Showroom	15,000	Design, supply and supervision	2024	Completed
38	Villa Rawda 1	Villa	4,000	Design, supply and installation	2024	Completed
39	Villa Al Rawda / Babtin Co.	Villa	1,500	Design, supply and installation	2024	Completed
40	Villa Ghurnata Plot 79	Villa	2,000	Design, supply and installation	2024	Completed

PROJECT PORTFOLIO

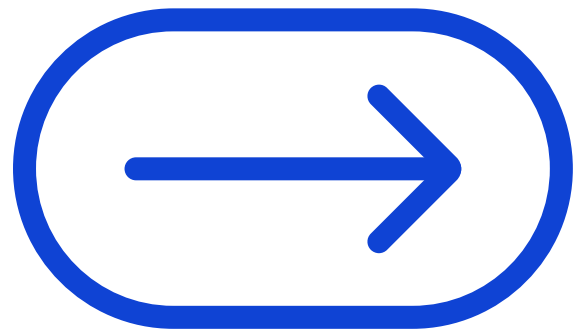


POST-TENSIONING PROJECTS REFERENCE LIST

#	Project	Type	Built-up Area (m ²)	Scope	Year	Status
41	Villa Ghurnata Plot 75 & 76	Villa	4,000	Design, supply and installation	2024	Completed
42	Villa Ghurnata Plot 3 & 4	Villa	4,000	Design, supply and installation	2024	Completed
43	Tower 1318	Tower	14,000	Design, supply and supervision	2024	Completed
44	Dasman Building	Building	4,000	Design, supply and installation	2025	Completed
45	Fintas Building	Building	4,000	Design, supply and installation	2025	Completed
46	Nissan Workshop Facility	Industrial	8,000	Design, supply and installation	2025	Completed
47	Bibi Villa	Villa	3,000	Design, supply and installation	2025	Completed
48	Khiran Chalet	Chalet	2,000	Design, supply and installation	2025	Completed
49	South Khitan Villa 01 / Waleed	Villa	970	Design, supply and installation	2025	Completed
50	South Khitan Villa 02	Villa	2,000	Design, supply and installation	2025	Completed
51	Fihais Villa / PT Beams	PT Beams	—	Design, supply and supervision	2025	Completed
52	Arabisc Tower	Tower	40,000	Design, supply and supervision	2025	Completed
53	Miras Mall	Mall	5,000	Design, supply and installation	2025	Completed
54	Sultan Tower	Tower	5,000	Design, supply and installation	2025	Completed
55	Ardiya Plot	Building	3,000	Design, supply and installation	2025	Completed
56	Salmiya Tower 93	Tower	4,000	Design, supply and installation	2025	Completed
57	Marina Tower	Tower	6,000	Design, supply and installation	2025	Completed
58	Qibla Tower	Tower	8,000	Design, supply and installation	2025	Completed
59	Jabriya Building	Building	3,000	Design, supply and installation	2025	Completed
60	Khiran Chalet / Al Kindari	Chalet	2,000	Design, supply and installation	2025	Completed
61	Al Ola Tower	Tower	15,000	Design, supply and supervision	2025	Ongoing
62	Shaq Tower / Bahbahani	Tower	8,000	Design, supply and installation	2025	Completed
63	Shuwaikh Plot - Makhazeem	Warehouse	4,300	Design, supply and installation	2025	Completed
64	Al Bidaa Villa / PT Beams	PT Beams	—	Design, supply and supervision	2025	Completed
65	Khiran Chalet / MEC	Chalet	500	Design, supply and installation	2025	Completed
66	Mutlaa Villa - BAZALLI	Villa	1,500	Design, supply and installation	2025	Signed
67	Qibla Tower - Soufi Co.	Tower	9,800	Design, supply and installation	2025	Ongoing
68	H. Mattar Villa - SEC Co.	Villa	500	Design, supply and installation	2026	Completed
69	Fanwania Building - Fahd Co.	Building	5,000	Design, supply and installation	2026	Completed
70	Midan Hawally Building	Building	3,400	Design, supply and installation	2026	Completed
71	Hawally Buildings Plot 27 & 28	Building	5,600	Design, supply and installation	2026	Completed
72	Hesah Tower	Tower	5,600	Design, supply and installation	2026	Ongoing
72	Khuraibt Villa	Villa	1,800	Design, supply and installation	2026	Ongoing
74	Gouqan Villa	Villa	250	Design, supply and installation	2026	Completed
75	Hajeri Tower	Tower	9,800	Design, supply and supervision	2026	Ongoing
76	Ardiya 02 Plot 45	Building	3,000	Design, supply and installation	2026	Ongoing
77	Padel Tower / Arbeed Group	Tower	12,000	Design, supply and supervision	2026	Ongoing
78	Sabah al Salem Tower / Arbeed Group	Tower	30,000	Design, supply and supervision	2026	Ongoing
79	Bnaid Al Gsar Tower / Arbeed Group	Tower	30,000	Design, supply and supervision	2026	Ongoing
80	Salmiya Tower / Al Humaidi Group	Tower	14,000	Design, supply and supervision	2026	Signed
81	Jaleeb Building / ASDAM Group	Building	5,000	Design, supply and installation	2026	Ongoing
82	Masoud Villa / PT Beams	PT Beams	—	Design, supply and supervision	2026	Completed
83	Salmiya Building / Al Sahly Group	Building	3,300	Design, supply and installation	2026	Ongoing
84	Fahaheel Building	Building	3,400	Design, supply and installation	2026	Ongoing
85	Free Zone Plots 19 & 21	Industrial	8,000	Design, supply and installation	2026	Signed
86	Mangaf Building	Building	4,000	Design, supply and installation	2026	Ongoing
87	Shamiya Villa / Adnan Al Hajery	Villa	500	Design, supply and installation	2026	Ongoing
88	Basman Tower	Tower	18,800	Design, supply and supervision	2026	Signed
89	Hawally Clinic	Medical	11,100	Design, supply and supervision	2026	Signed
90	Shuwaikh Plot - Abou Yassin	Building	4,100	Design, supply and installation	2026	Ongoing
91	Dabbous Mosque	Mosque	2,100	Design, supply and installation	2026	Signed
TOTAL		91	508,170	projects / m² built-up area		



SELECTED PROJECTS





BEFORE



AFTER



Project Name : LEVELS TOWER

Project Date: 2025

PROJECT INFORMATION

Area: 13,000 m²

No.of Floors : 22

Scope of Works : Design, Supply & Supervision

A fast-track project targeting completion of concrete casting for 22 floors within three months.

BEFORE



AFTER



Project Name : NOOR TOWER

Project Date: 2026

PROJECT INFORMATION

Area: 40,000 m²

No.of Floors : 18

Scope of Works : Design, Supply & Supervision/Installation

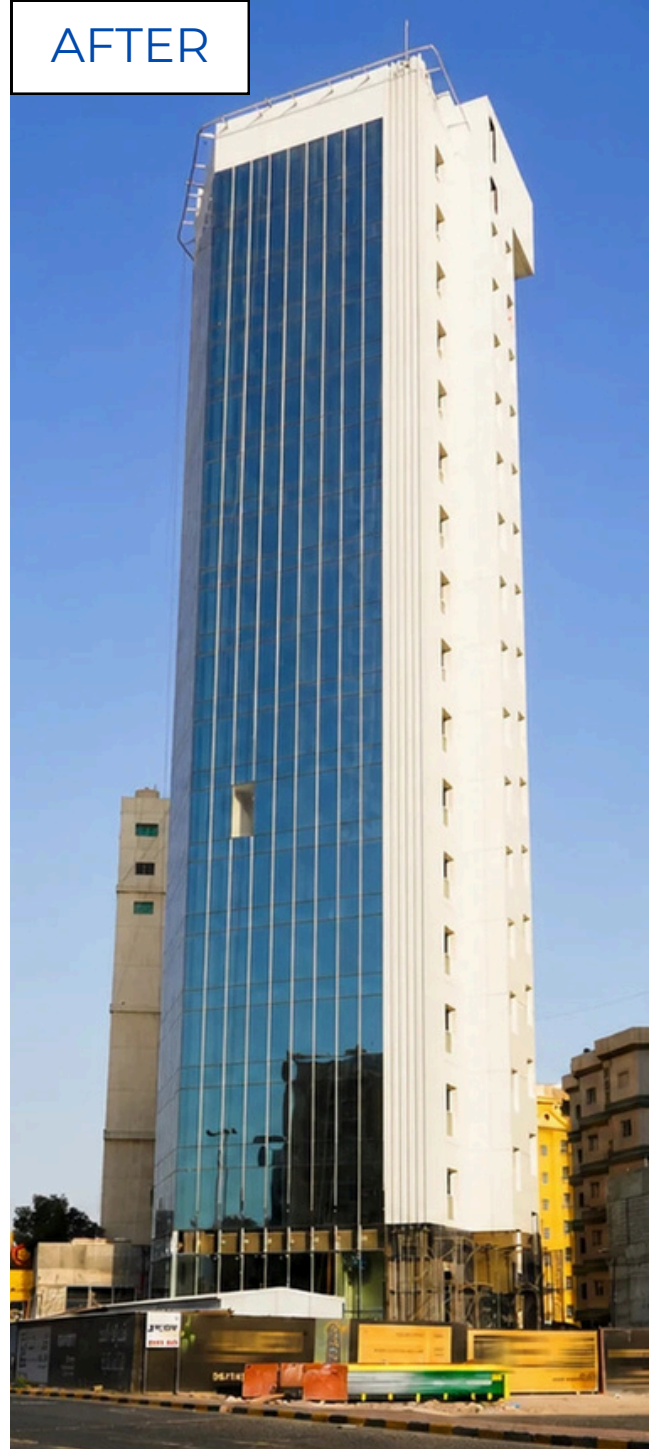
A fast-track project targeting completion of 40,000 m² of concrete casting within eight months.



BEFORE



AFTER

**Project Name : Medical Tower****Project Date: 2024**

PROJECT INFORMATION

Area: 12,000 m² No.of Floors : 18

Scope of Works : Design, Supply & Supervision/Installation

Value engineering undertaken at the outset of the project achieved a 20% reduction in the overall project cost. The typical floors feature a 4.25-metre cantilever.



BEFORE



AFTER



Project Name : MG ShowRoom

Project Date: 2025

PROJECT INFORMATION

Area: 15,000 m²

No.of Floors : 4

Scope of Works : Design, Supply & Supervision/Installation

A fast-track post-tensioning project featuring 19-metre spans and multi-strand post-tensioned beams, with 15,000 m² of slabs cast within four months.

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SELECTED CLIENTS & PARTNERS



الشايح جروب
ALSHAYA GROUP



AL WAZZAN
Trading Corporation



وزارة الأشغال العامة
MINISTRY OF PUBLIC WORKS



AADAM
REAL ESTATE



بنك بوبيان
Boubyan Bank



ADEL ALGHANIM AUTOMOTIVE
عادل الغانم للسيارات



المؤسسة العامة للرعاية السكنية
Public Authority for Housing Welfare

CASE STUDY

POST-TENSIONED vs CONVENTIONAL RC

25-storey residential tower · 1 000 m² per floor · spans 7–10 m · flat slab in both options

– 17 %

Slab depth and
concrete volume

– 39 %

Total steel
tonnage

1.25 m

Structural depth saved
over 25 storeys

2 – 3 months

Earlier structural
completion (indicative)

QUANTITY & PROGRAMME COMPARISON

Item	Conventional RC	Post-tensioned	Difference
Slab depth	300 mm	250 mm	– 50 mm
Concrete volume, 25 floors	7 500 m ³	6 250 m ³	– 1 250 m ³
Slab reinforcement	≈ 800 t	≈ 350 t	– 450 t
PT strand	—	≈ 140 t	+ 140 t
Total steel tonnage	≈ 800 t	≈ 490 t	– 39 %
Floor self-weight	7.50 kN/m ²	6.25 kN/m ²	– 17 %
Structural depth, 25 floors	7.50 m	6.25 m	– 1.25 m
Indicative floor cycle	7 – 10 days	5 – 7 days	– 2 to 3 days
Structure programme	≈ 175 – 250 days	≈ 125 – 175 days	≈ 2 – 3 months

Slab Section — Same 8.5 m Span

CONVENTIONAL RC FLAT SLAB



POST-TENSIONED FLAT SLAB



Self-weight 6.25 kN/m² · L/d ≈ 34 · rebar ≈ 14 + strand ≈ 5.5 kg/m²

50 mm saved per floor · 1.25 m of structural depth over 25 storeys

WHAT THE CLIENT GAINS

- Lower floor dead load carries through to smaller columns and foundations
- 1.25 m of height released — an extra floor within the same envelope, or less façade
- Earlier structure completion brings forward fit-out and handover

GEOGRAPHIC PRESENCE



Across Saudi Arabia, Kuwait & Bahrain



REGIONAL PRESENCE



01

Saudi Arabia

02

Kuwait

03

Bahrain



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