TCR
TALA CONCRETE REPAIRS

# COMPANY PROFILE

GEOTECHNICAL ENGINEERING / STRUCTURAL STRENGTHENING / CONCRETE REPAIRS



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ISO 9001:2015

# COMPANY

TCR GROUP LLC was established in 2006 to provide a high quality of innovative and cost effective foundation and Geotechnical engineering, Strengthening & Repairing works as specialist contractor and engineering company in the UAE market.

We are a leading specialist in the field of geotechnical & structural problems for the major projects, having experienced and qualified & dedicated team of engineers, designers & workforce.

## MISSION

To be the trusted leader in geotechnical and structural engineering solutions, delivering safer foundations, stronger structures, and long-term value across every project.

## VISION

To provide innovative, reliable, and cost-effective engineering services that solve complex ground and structural challenges, while exceeding client expectations through quality, safety, and technical excellence.




**30+ YEARS**
of Experience

**300+ PROJECTS**
Delivered

**100+ CLIENTS**
Served

# PROCESS

## Design & Innovation

Engineering Design using software Plaxis, etabs, Staadpro, Autocad etc.

## Planning

Planning the resources for the job

## Execution

Execution of work as per the approved techniques

## Verification

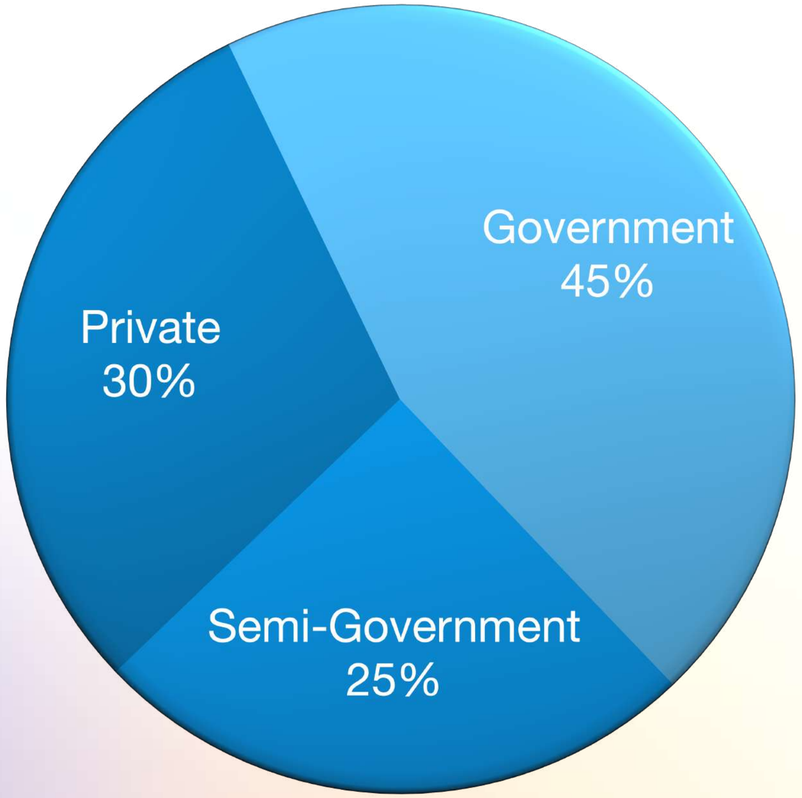
Post completion testing for the verification of job

## Delivery

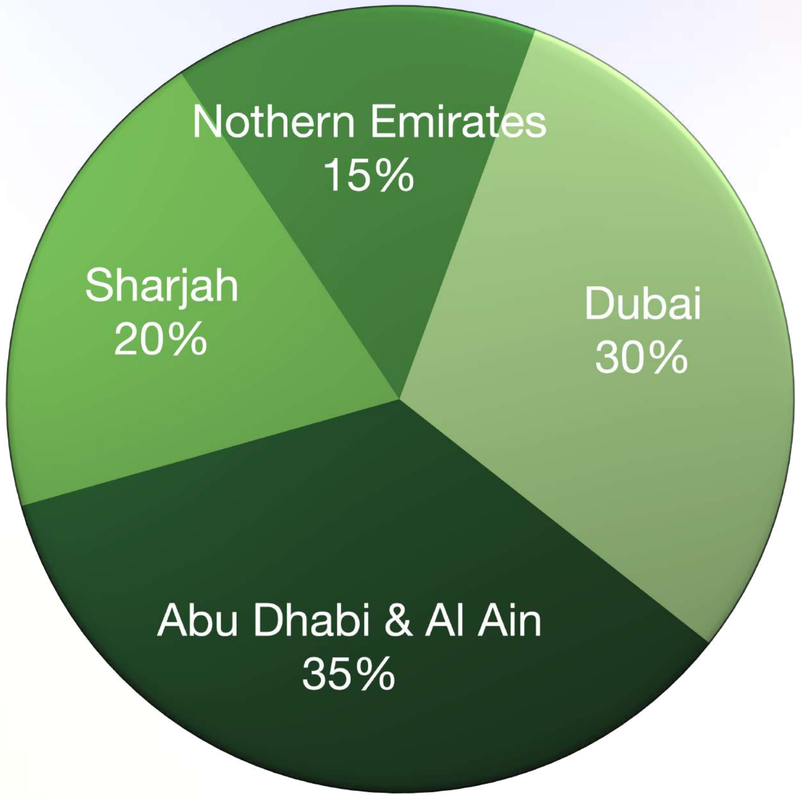
Delivering the project within the timeline & project specification

# PRESENCE

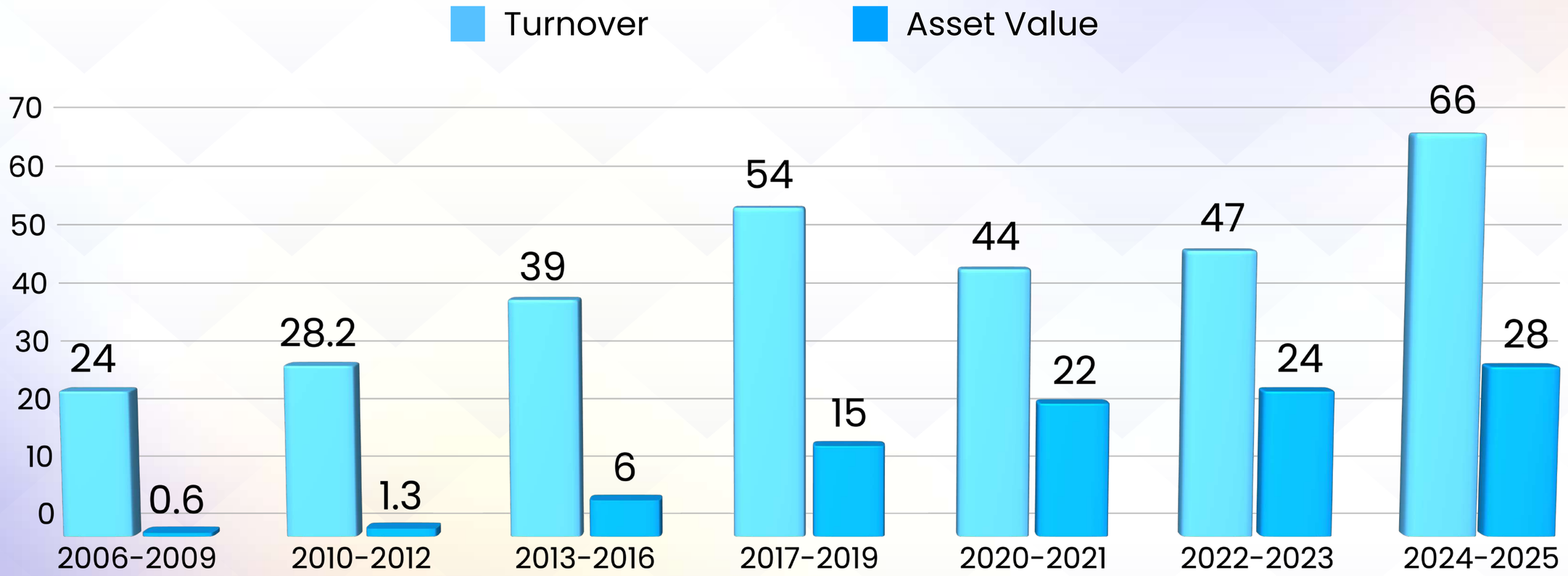
## ENTITY WISE




## DEMOGRAPHIC



# GROWTH


Turnover
Asset Value
70
60
50
40
30
20
10
0
24
0.6
28.2
1.3
39
6
54
15
44
22
47
24
66
28
2006-2009
2010-2012
2013-2016
2017-2019
2020-2021
2022-2023
2024-2025

# TEAM



Managing Director



Operations Manager



Area Manager



Finance Manager

**7**
Back Office Staff

**5**
Technical Staff

**4**
Engineers



Technical Director



HR Manager



Workshop & Plant Manager



Safety Manager



Procurement

**10**
Supervisory Staff

**30**
Skilled Workforce

**75**
Unskilled Workforce

# REGISTRATION



حكومة دبي
GOVERNMENT OF DUBAI

DUBAI
لاقتصاد والسياحة
Economy and Tourism

## رخصة تجارية
## Commercial License

| License Details / تفاصيل الرخصة | | | | | |
|---|---|---|---|---|---|
| License No. | | 589276 | | | رقم الرخصة |
| Company Name | TALA CONCRETE REPAIRS & CONTRACTING L.L.C | | | | اسم الشركة |
| | | | | | تالا لترميم الخرسانه والمقاولات ش.ذ.م.م |
| | | | | | الاسم التجاري |
| Business Name | TALA CONCRETE REPAIRS & CONTRACTING L.L.C | | | | |
| License Category | Dep. of Economic Development | | | | فئة الرخصة |
| | | | | | دائرة التنمية الاقتصادية |
| Legal Type | Limited Liability Company(LLC) | | | | الشكل القانوني |
| | | | | | ذات مسئولية محدودة |
| Expiry Date | 16/12/2026 | تاريخ الإنتهاء | Issue Date | 17/12/2006 | تاريخ الإصدار |
| D&B D-U-N-S ® N | 561622858 | الرقم العالمي | Main License No. | 589276 | رقم الرخصة الام |
| Register No. | 2264689 | رقم السجل التجاري | DCCI No. | 113906 | عضوية الغرفة |

| License Members / الاطراف | | | | |
|---|---|---|---|---|
| Share / الحصص | Role / الصفة | Nationality / الجنسية | Name / الإسم | رقم الشخص / No. |
| | Manager / مدير | سوريا / Syria | عبدالرحمن سليمان النهابي<br>ABDUL RAHMAN SULAYMAN ALNAHHABI | 249472 |

| License Activities / أنشطة الرخصة | | | |
|---|---|---|---|
| Activity | Status | الحالة | النشاط |
| Building Contracting | Active | فعال | مقاولات البناء |
| Concrete Restoration | Active | فعال | اعمال ترميم الخرسانة |
| Concrete Works | Active | فعال | اعمال الخرسانة |

| Address / العنوان | | | |
|---|---|---|---|
| Phone No | 971-4-4526888 | تليفون | صندوق بريد P.O. Box 89498 |
| Fax No | 971-4-4486625 | فاكس | رقم القطعة Parcel ID 231-357 |
| Mobile No | 971-50-5510317 | هاتف متحرك | البريد الإلكتروني Email PRO@TCRGROUP.AE |

مكتب رقم 903 ملك الشيخ عبدالله بن عيسى بن سلمان ال خليفه - ديره - النهدة

Remarks / الملاحظات

Print Date 02/10/2025 9:51 تاريخ الطباعة Receipt No. رقم الايصال

الإمـــارات
THE EMIRATES

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وثيقة إلكترونية معلنة وصادرة دون توقيع من دائرة الاقتصاد والسياحة في دبي. لمراجعة صحة البيانات الواردة في الرخصة يرجى مسح رمز الاستجابة السريعة
This is a certified e-document issued without signature by the department of Economy and Tourism. Kindly scan the QR Code to verify the certificate



ADRA.
منطقة أبوظبي للتسجيل
Abu Dhabi Registration Authority

دائرة التنمية الاقتصادية
DEPARTMENT OF ECONOMIC DEVELOPMENT

## رخصة أبوظبي الاقتصادية
## Abu Dhabi Economic Licence

| Licence Details / تفاصيل الرخصة | | | |
|---|---|---|---|
| Licence Type | Business | تجارية | نوع الرخصة |
| Licence Category | Branch | فرع | فئة الرخصة |
| Licance No. | CN-1153400 | | رقم الرخصة |
| Unified Registration No. | 101-2021-100113779 | | رقم التسجيل الموحد |
| Unified Licence No. | 501-2008-100065665 | | رقم الرخصة الموحد |
| Establishment Date | 13/11/2008 | | تاريخ التأسيس |
| Issuance Date | 08/09/2025 | | تاريخ الإصدار |
| Expiry Date | 07/09/2026 | | تاريخ الإنتهاء |
| Legal Form | UAE Branch - Dubai | فرع امارة دبي | الشكل القانوني |
| Trade Name | TALA CONCRETE REPAIRS & CONTRACTING - L.L.C - BRANICH OF ABU DHABI 1 | تالا لترميم الخرسانه والمقاولات ذ.م.م - فرع أبو ظبي 1 | الإسم التجاري |

| Ownership and Representatives / الملكية والممثلين | | | | |
|---|---|---|---|---|
| Representative of ممثل عن | Role/Position الدور/المنصب | Nationality الجنسية | Name الإسم | |
| | شريك<br>Partner | سوريا<br>Syria | عبدالرحمن سليمان النهابي<br>ABDUL RAHMAN SULAYMAN ALNAHHABI | |
| | شريك<br>Partner | سوريا<br>Syria | مشعل فهد المطر<br>MASHAL FAHD ALMATAR | |
| | مدير<br>Manager | سوريا<br>Syria | عبدالرحمن سليمان النهابي<br>ABDUL RAHMAN SULAYMAN ALNAHHABI | |

| Licence Activities / الأنشطة المرخصة | | |
|---|---|---|
| - Floor & Wall Tiling Works | 4330019 | - أعمال تلابيط الأرضيات والجدران |
| - Plastering Works | 4330009 | - أعمال التطيين للمباني (للقاصر) |
| - Concrete Works | 4390007 | - أعمال الخرسانة |
| - * All Kind Building Projects Contracting | 4100002 | - * مقاولات مشاريع المباني بانواعها |
| - foundations Digging , pillars installing AND rung Piles work | 4390001 | - أعمال حفر الأساسات و تثبيت الركائز ودق الخوازيق |
| - Installation of insulation materials in buildings and facilities | 4390002 | - تركيب المواد العازلة في الأبنية والمنشآت |

The Contractor is not permitted to practice the activities marked with sign (*) unless these activities are classified and a Classification certificate is obtained for the department of Department of Urban Planning and Municipalities

لا يحق للمقاول ممارسة الأنشطة المشار إليها بعلامة (*) إلا بعد الحصول على شهادة التصنيف المعتمدة من دائرة التخطيط العمراني والبلديات.

| Address / العنوان | | |
|---|---|---|
| Official Email | farhan@tcrgroup.ae | البريد الإلكتروني الرسمي |
| Official Mobile | +971559802604 | رقم التواصل الرسمي |
| Address | المسفح م 43، ق 117 ، ق مكتب 51 - 52 - 53، مدينى، السيد محمد راشد خلف عبدالله و اخرين | العنوان |

www.adra.gov.ae

1 of 2 Print Date 08/09/2025 Print Time 19:26:36

للتحقق من الرخصة الاقتصادية، يرجى زيارة خدمة "تحقق" على To verify the economic licence kindly visit the TAHAQAQ service on www.tamm.abudhabi



GOVERNMENT OF SHARJAH
Economic Development Department

حكومة الشارقة
دائرة التنمية الاقتصادية

## رخصة تجارية
## Trading License

507596

| License Details / تفاصيل الرخصة | | | | | |
|---|---|---|---|---|---|
| Issue Date | 20-02-2001 | تاريخ الإصدار | License No. | 507596 | رقم الرخصة |
| Expiry Date | 18-02-2026 | تاريخ الإنتهاء | Registration No. | 47001 | رقم السجل |
| | | | | تالا لترميم الخرسانه والمقاولات ذ.م.م فرع الشارقة | الاسم التجاري |
| Trade Name | TALA CONCRETE REPAIRS & CONTRACTING L.L.C BR SHJ | | | | |
| Legal status | Limited Liability Company<br>Branch for Local Company | | | شركة ذات مسؤولية محدودة<br>فرع شركة محلية | الشكل القانوني |

| License Members / أطراف الرخصة | | | | | |
|---|---|---|---|---|---|
| الحصص<br>Shares | الصفة<br>Type | رقم الهوية / الجواز<br>ID \ Passport No | الجنسية<br>Nationality | اسم المستثمر<br>Investor Name | رقم المستثمر<br>Investor No |
| 20.0 % | شريك<br>Partner | 784198862506601 | سوريا<br>Syria | مشعل فهد المطر<br>MASHAL FAHD ALMATAR | 5041255 |
| 80.0 % | شريك<br>Partner | 784197139602722 | سوريا<br>Syria | عبدالرحمن سليمان النهابي<br>ABDUL RAHMAN SULAYMAN ALNAHHABI | 4739047 |

| | |
|---|---|
| المدير | عبدالرحمن سليمان النهابي |
| أنشطة الرخصة | مقاولات فئة سادسة،أعمال الخرسانة |
| العنوان | الشارقة-مويلح تجارية/الشارقة-خلف طريق مليحة مكتب رقم 604-68 طابق رقم 6 ملك مركز الاريج للاعمال فرع/1 -ملك الشيخ عبدالرحمن محمد عبدالله الشامسي |
| الهاتف المتحرك: | 0529149251 |
| صندوق البريد: | 47124 الشارقة |

User Name 47310 رقم المستخدم Printing Date 20-08-2025 تاريخ الطباعة

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- It is prohibited to distribute advertisements in public places and residential areas.

- يمنع توزيع الإعلانات في الأماكن العامة والأحياء السكنية

www.sedd.ae 80080000

# CERTIFICATIONS



*Certificate Of Registration*

Awarded to

TALA CONCRETE REPAIRS & CONTRACTING-L.L.C

at

P.O.BOX NO: 89498, OFFICE NO: 903, SAHEEL TOWER 2, AL NAHDA 1, DUBAI, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

ISO 9001:2015

Quality Management Systems

Scope of work

- CONTRACTING OF ALL KINDS OF BUILDING PROJECTS, PAINTING, INSULATION, CARPENTARY AND FLOOR
- PLASTER & CLADDING, DAMP & WATER PROOFING, FLOOR & WALL TILING AND CONCRETE WORKS, PROTECTIVE COATINGS, FLOOR COATING AND SCREEDS
- CONCRETE AND HISTORICAL SITES RESTORATION
- FOUNDATION DIGGING, PILLARS INSTALLING AND RUNG PILES WORK
- CONCRETE REPAIR AND STRUCTURAL STRENGTHENING

IAF 28
Certificate No: ADU-2276
Originally Registered: 23 SEP 2023
Latest Issue: 23 SEP 2023
Valid up-to: 22 SEP 2026

Quality Registrar Systems

WORLDWIDE CERTIFICATION

UAE OFFICE ADDRESS
Quality Registrar Systems Intl.
Abu Dhabi, United Arab Emirates
www.qrs-intl.com
Tel: 02-3096166

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies LLC who have accessed QRS (Intl.) as a Certifying Body for compliance with ISO 17021:2015 'Conformity Assessment - Requirements for bodies providing audit and certification of management systems. This certificate is only valid when confirmed by the register listed in the QRS (Intl.) (qrs-intl.com)



FIRST QUALITY CERTIFICATION

Certificate of Registration

This certificate is hereby granted to the organization

TALA CONCRETE REPAIRS & CONTRACTING L.L.C

P.O.BOX NO. 89498, OFFICE NO. 903, SAHEEL TOWER 2, AL NAHDA 1, DUBAI, UAE

This has been certified that the management system of the above organization has been audited and found to be in compliance with the First Quality Certification requirements for registration of the management system standard detailed below:

ISO 45001:2018

(Occupational Health & Safety Management System)

Scope of work

- Building Contracting
- Concrete Restoration
- Concrete Works
- Floor & Wall Tiling Works
- Plastering Works
- Installation of Insulation Materials in Building and Facilities
- Foundations Digging, Pillars Installing & Rung Piles Work

Certification Registration No: FQC/OH/0806/AE

| | |
|---|---|
| Initial Issue Date | : 17 August 2021 |
| Re-Issue Date | : 21 August 2024 |
| 1st Surveillance | : 20 August 2025 |
| 2nd Surveillance | : 20 August 2026 |
| Certificate Expiry | : 20 August 2027 |

(Subject to the company maintaining its system to the required Standard)

Chief Executive Officer

This Certificate is subject to satisfactory annual assessment.
Accredited by Accreditation Service for Certifying Bodies LLC, 8 The Green, Dover, DE, 19901, United States www.ascb.com
Building C112, Mezzanine Floor, M03, Mohammed Beda Zayed City, ME9, Mussafah, P.O. Box 92715 Abu Dhabi, United Arab Emirates

The authenticity of this certificate can be verified online www.firstqualitycertification.ae or by email to the Head Office info@firstqualitycertification.ae



FIRST QUALITY CERTIFICATION

Certificate of Registration

This certificate is hereby granted to the organization

TALA CONCRETE REPAIRS & CONTRACTING L.L.C

P.O.BOX NO. 89498, OFFICE NO. 903, SAHEEL TOWER 2, AL NAHDA 1, DUBAI, UAE

This has been certified that the management system of the above organization has been audited and found to be in compliance with the First Quality Certification requirements for registration of the management system standard detailed below:

ISO 14001:2015

(Environmental Management System)

Scope of work

- Building Contracting
- Concrete Restoration
- Concrete Works
- Floor & Wall Tiling Works
- Plastering Works
- Installation of Insulation Materials in Building and Facilities
- Foundations Digging, Pillars Installing & Rung Piles Work

Certification Registration No: FQC/E/0805/AE

| | |
|---|---|
| Initial Issue Date | : 17 August 2021 |
| Re-Issue Date | : 21 August 2024 |
| 1st Surveillance | : 20 August 2025 |
| 2nd Surveillance | : 20 August 2026 |
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Building C112, Mezzanine Floor, M03, Mohammed Beda Zayed City, ME9, Mussafah, P.O. Box 92715 Abu Dhabi, United Arab Emirates

The authenticity of this certificate can be verified online www.firstqualitycertification.ae or by email to the Head Office info@firstqualitycertification.ae



شهادة العضوية
Membership Certificate

الرقم الموحد : 315880

رقم الرخصة : CN-1153400

غرفة أبوظبي
ABU DHABI CHAMBER

بناءاً على قانون غرفة تجارة وصناعة أبوظبي رقم 27 لسنة 2005 م وتعديلاته

**فقد تم تسجيل :** تالا لترميم الخرسانه والمقاولات ذ م م - فرع أبو ظبي 1

**من الجنسية:** الإمارات العربية المتحدة

**لممارسة النشاط :**

**العنوان :** ابوظبي-المصفح-X-298416

**جنسية الشركاء:** الإمارات العربية المتحدة - سوريا

**الشكل القانوني:** فرع شركة من إمارة أخرى

**صدرت بتاريخ :** 15/8/2023

**ويسرى مفعولها حتى تاريخ :** 14/8/2024

غرفة أبوظبي
ABU DHABI CHAMBER
قطاع خدمات الأعضاء
Members Services Sector
غرفة تجارة وصناعة أبوظبي
Abu Dhabi Chamber of Commerce & Industry

مستند صادر من غرفة أبوظبي-دولة الإمارات العربية المتحدة، ولمزيد من التحقق الرجاء مسح QR كود

غرفة أبوظبي الرقمية
Abu Dhabi Digital Chamber



الهيئة الاتحادية للضرائب
FEDERAL TAX AUTHORITY

United Arab Emirates

**شهادة تسجيل لضريبة القيمة المضافة في الامارات العربية المتحدة**

**Certificate of Registration for Value Added Tax in the United Arab Emirates**

| **The Federal Tax Authority certifies that the entity below is a registered person for Value Added Tax in the UAE** | | **تشهد الهيئة الاتحادية للضرائب أن الجهة التالية مسجلة لضريبة القيمة المضافة في الامارات العربية المتحدة** |
|---|---|---|
| Full Arabic legal name | تالا لترميم الخرسانه والمقاولات ش.ذ.م.م | الاسم القانوني الكامل باللغة العربية |
| Full English legal name | TALA CONCRETE REPAIRS & CONTRACTING L.L.C | الاسم القانوني الكامل باللغة الانجليزية |
| Registered address | SAHEEL TOWER 2, OFFICE 903, AL NAHDA-1, AL NAHDA 1, DUBAI, Dubai, United Arab Emirates, 89498, +971505510317 | العنوان المسجل |
| Tax Registration Number | 100377630700003 | رقم التسجيل الضريبي |
| Effective Registration Date | 01/01/2018 | تاريخ التسجيل الفعلي |
| First VAT Return Period | 01 Jan 2018 - 31 Mar 2018 and quarterly thereafter | فترة أول إقرار لضريبة القيمة المضافة |
| VAT Return due date | 29 Apr 2018 | تاريخ استحقاق إقرار ضريبة القيمة المضافة |
| Start and end dates of Tax periods: | 1 Apr to 30 Jun, 1 Jul to 30 Sep, 1 Oct to 31 Dec, 1 Jan to 31 Mar | بداية ونهاية الفترات الضريبية |

يرجى التأكد من صحة تفاصيل الشهادة. يجب إبلاغ الهيئة الاتحادية للضرائب في حال تغيير الاسس التي حصلت فيها على رقم التسجيل الضريبي الخاص بك.

Please check that the details on this certificate are correct. You must inform the Federal Tax Authority of any change on the basis of which you obtained your Tax Registration Number.

Issuing Date: 08/03/2018 تاريخ الإصدار

# SUPPLY PARTNERS

FOSROC constructive solutions

CONMIX

MAPEI

Sika

BASF We create chemistry

weber SAINT-GOBAIN

HILTI

RAKCC شركة اسمنت راس الخيمة RAS AL KHAIMAH CEMENT COMPANY

National Cement Factory

شركة اسمنت الخليج ش.م.ع Gulf Cement Company P.S.C

شركة أسمنت الإتحاد(ش.م.خ.) UNION CEMENT COMPANY (Pr.J.S.C)

LAFARGE

تريمكس TREMIX

CEMEX

RMB Ready Mix Beton

إمستيل EMSTEEL

الإتحاد للحديد والصلب UNION IRON & STEEL

BOSCH

DEWALT

# STRATEGIC PARTNERS

TERRA FIRMA

AccesBTP
Reprises en sous-œuvre

# TERRA FIRMA

Regional ground engineering specialist delivering large scale, turnkey soil improvement solutions.

## WHO THEY ARE

- Established in Dubai in 2019.
- Team with 20+ years of ground engineering experience.
- Active across the Middle East and international markets.

## TECHNOLOGY AND METHODOLOGY

- Proven ground improvement techniques across varied soil conditions.
- Engineering led solutions based on soil data and project criteria.
- Methods selected based on structure type, depth, and performance needs.
- Focus on safety, quality, and execution reliability.

## WHY THIS PARTNERSHIP MATTERS TO TCR

- Access to large scale execution capability.
- Experience across 100+ million m² of improved ground.
- Strong alignment in geotechnical engineering standards.
- Enables end to end delivery from assessment to execution.

## CORE EXPERTISE

- Ground improvement and soil stabilization.
- Deep foundation and enabling works.
- Site preparation and fill compaction.
- Grouting and earth retaining structures.

## TYPICAL APPLICATIONS

- Industrial facilities and plants.
- Oil and gas infrastructure.
- Roads, bridges, and infrastructure projects.
- Mixed use and large scale developments.








# AccesBTP

Leading French specialist in foundation stabilisation and resin injection technology.

## WHO THEY ARE

- Leading French specialist in foundation stabilisation and soil improvement.
- Pioneer of expanding resin injection technology in France.
- Trusted alternative to conventional underpinning methods.

## TECHNOLOGY AND METHODOLOGY

- Proprietary ACCA® resin systems with high compressive strength and low density.
- Controlled injection with real time monitoring to prevent over lift.
- Validated using pressuremeter and penetrometer testing before and after treatment.
- Engineering led approach based on measurable soil performance, not assumptions.

## WHY THIS PARTNERSHIP MATTERS TO TCR

- Minimal disruption to operations
- Faster execution than conventional underpinning
- Complements TCR's geotechnical and strengthening services

## CORE EXPERTISE

- Expanding and non expanding resin injection.
- Foundation stabilisation and settlement correction.
- Soil improvement beneath existing structures.
- Underpinning using micropiles and hybrid solutions when required.

## TYPICAL APPLICATIONS

- Foundations and slabs.
- Buildings, pavements, and embankments.
- Sinkholes, voids, and soil deconsolidation.
- Masonry and heritage structures

QUALIBAT Votre label de fiabilité
SOCOTEC ISO 9001 ISO 14001
SERVICE FRANCE GARANTI
ASQ ASSOCIATION SOCOTEC QUALITÉ Membre n°658





# CLIENTS

دائرة البلديات والنقل
DEPARTMENT OF MUNICIPALITIES AND TRANSPORT

وزارة شؤون الرئاسة
MINISTRY OF PRESIDENTIAL AFFAIRS

ديوان ولي العهد
CROWN PRINCE COURT

TAQA
Distribution
طاقة للتوزيع

شركة أبوظبي لخدمات الصرف الصحي
Abu Dhabi Sewerage Services Company

Government of Sharjah
Department of Public Works
حكومة الشارقة
دائرة الأشغال العامة

ALDAR

YAS MARINA CIRCUIT
حلبة مرسى ياس

EMPOWER
ENERGY SOLUTIONS

صحة
SEHA

مساندة
Musanada

GGICO
GULF GENERAL INVESTMENT COMPANY PSC

SR STEVIN ROCK

عقار
aqaar

FRENCH BAKERY

Ali & Sons
SINCE 1979

مجموعة الغرير
AL GHURAIR GROUP

ASGC

Shapoorji Pallonji

ALEC
Building Excellence

RADIANT
Real Estate

Malaih Investment
& Projects Development LLC

TAMOUH

تنقية
TANQIA

NAKHEEL

ALSAYYAH
GROUP

جامعة الشارقة
UNIVERSITY OF SHARJAH

TRANSCO
شركة أبوظبي للنقل و التحكم
Abu Dhabi Transmission & Despatch Company

مجموعة موانئ أبوظبي
AD PORTS GROUP

دائرة القضاء
JUDICIAL DEPARTMENT

Drydocks World

rakez
RAS AL KHAIMAH ECONOMIC ZONE

# CONSULTANTS

























































# CAPABILITIES

## DESIGN & ANALYSIS

- Structural Assessment
- Structural Modelling & Strengthening Design
- Geotechnical Modelling & Design

## GEOTECHNICAL

- Compaction Grouting
- Permeation Grouting
- Jet Grouting
- Hydro Fracture Grouting
- Micropiles
- Consolidation Grouting
- Slope Stabilization
- Tube-A-Manchette Grouting
- Cavity Filling
- Chemical Grouting

## STRUCTURAL & CIVIL

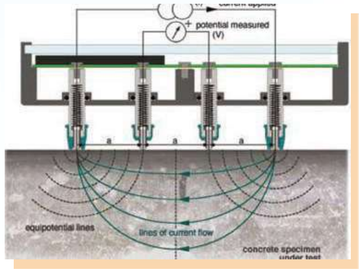
- Carbon Fiber Reinforced Polymer
- Waterproofing
- Crack Injection (Wet & Dry)
- Patch Repair
- Jacketing
- Complete Retro Fitting

# DESIGN & ANALYSIS

# STRUCTURAL ASSESSMENT

TCR carries out inspection & survey for the assessment of the existing structure for the design & propose viable solution for the strengthening & rehabilitation and bring back to the original specification. Semi destructive & non destructive test employed for the complete assessment.

- Visual Inspection
- Mapping of defects
- Concrete core drilling & testing
- Concrete cover determination
- Half cell potential
- Depth of carbonation
- Ultrasonic pulse velocity
- Rebound hammer
- Chemical test on extracted samples
- Resistivity test

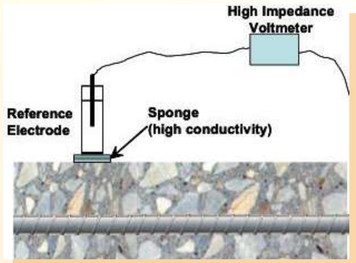






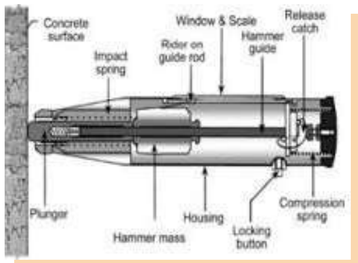






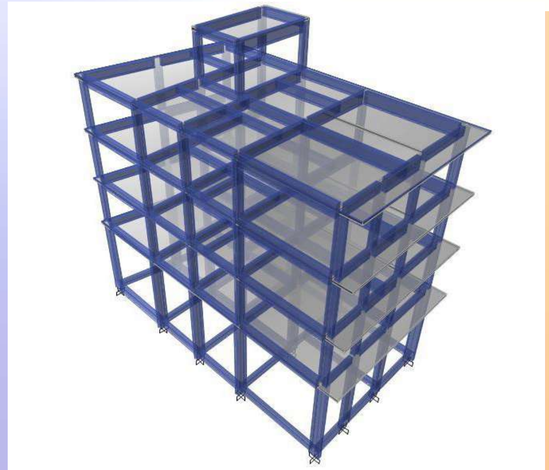


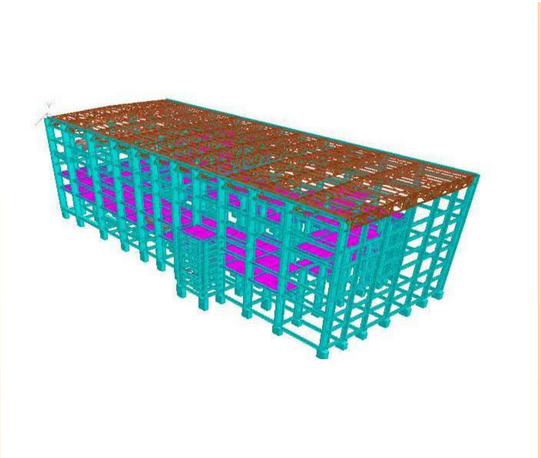


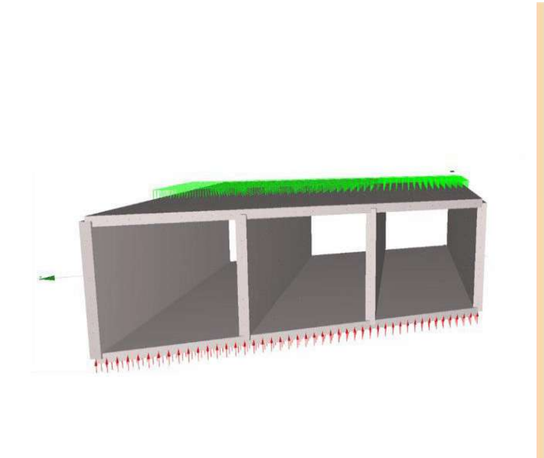



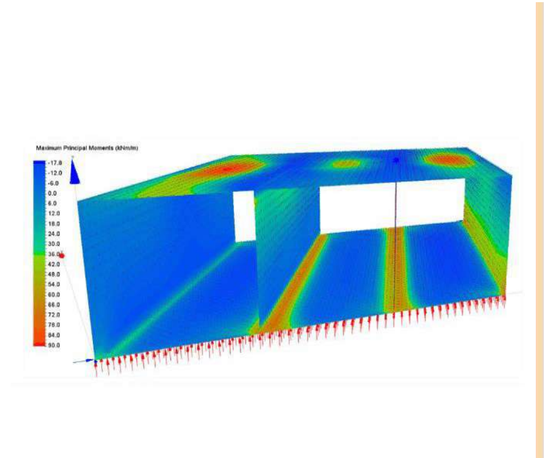
# STRUCTURAL MODELING & DESIGN

TCR is having qualified design team for the modeling & strengthening design by using advance software like eTabs, Staad Pro, Prokon and Safe etc., as per the project technical requirement.



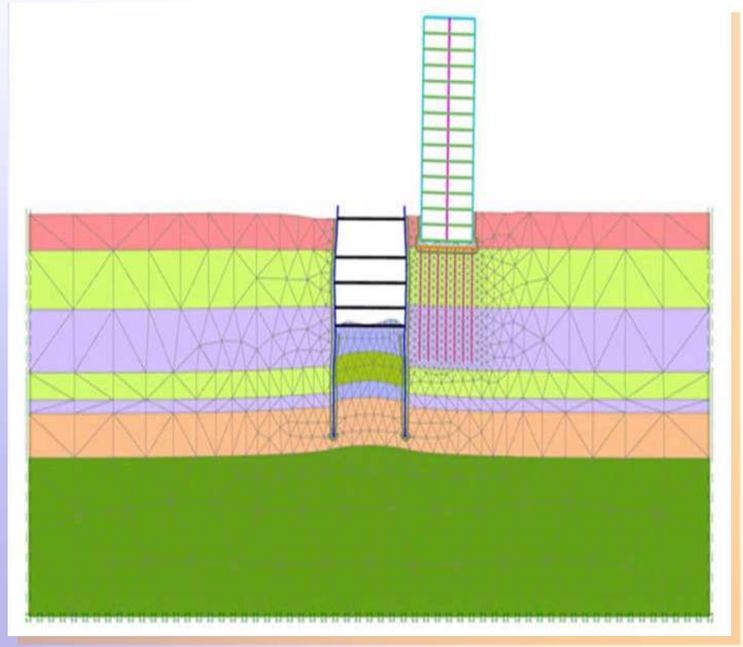


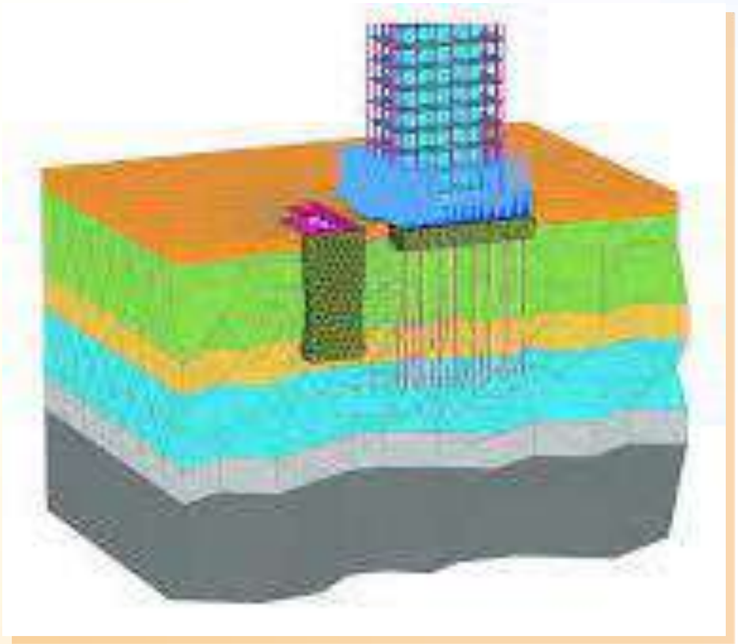


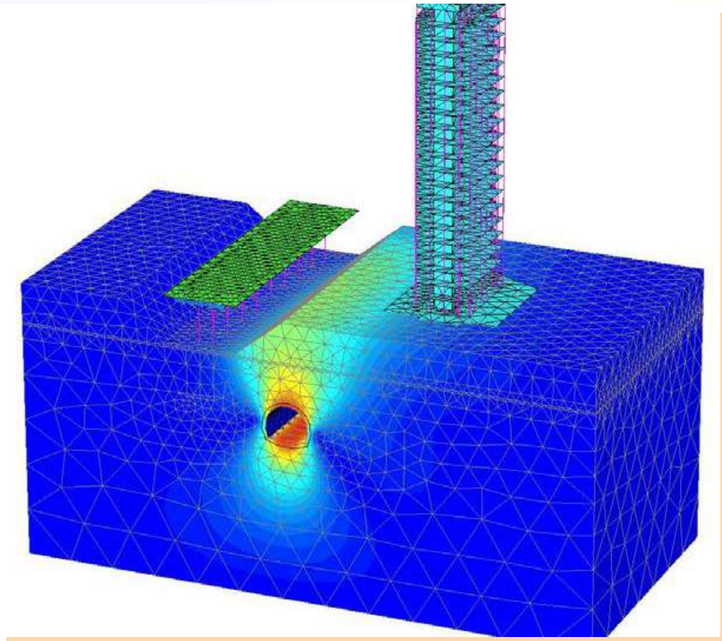


# GEOTECHNICAL MODELING & DESIGN

TCR is having qualified design team for the geotechnical modelling & ground stabilization design by using advance software like Plaxis 2D & 3D & Safe etc., as per the project technical requirement.





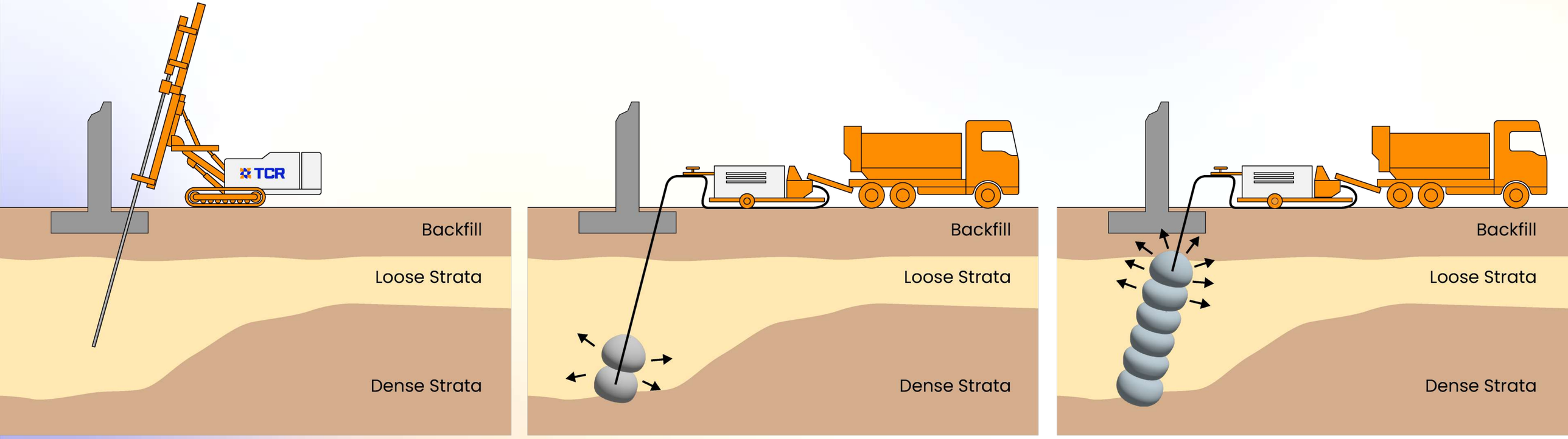


# GEOTECHNICAL

# COMPACTION GROUTING

Compaction Grouting densifies loose granular soils reinforces fine grained soils, and stabilizes subsurface voids or sinkholes by the staged injection of low-slump, low mobility aggregate grout.

It is performed by injecting grouting pipe up to the maximum depth then grout slowly injected by lifting the pipe to form overlapping grout bulbs. It increases the soil density & stiffness by displacing the loose soil.

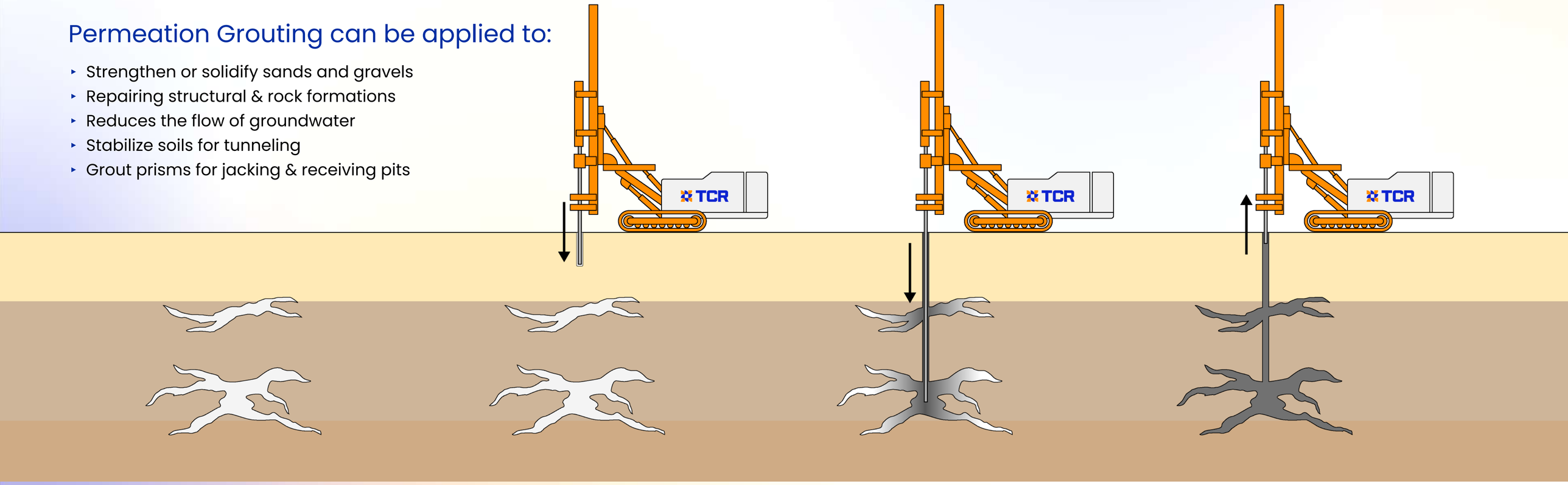


# PERMEATION GROUTING

Permeation grouting consists of injecting a flowable grout into granulated soils conditions to form a solid cohesive mass. To achieve the highest quality, Permeation grouting is performed under safe controlled, low-pressure injection with experienced personnel in order to permeate the designed grout zones without inducing fracturing.

## Permeation Grouting can be applied to:

- Strengthen or solidify sands and gravels
- Repairing structural & rock formations
- Reduces the flow of groundwater
- Stabilize soils for tunneling
- Grout prisms for jacking & receiving pits

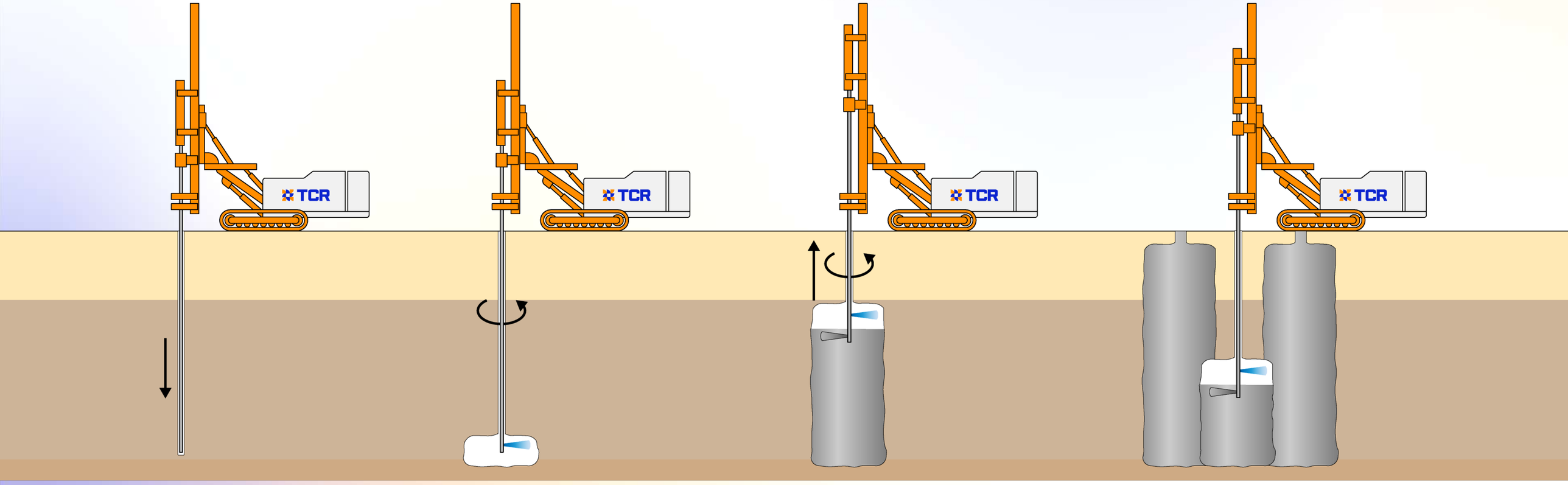


# JET GROUTING

Jet grouting is a method of soil stabilization which involves the injection of a stabilizing fluid into the subsoil (or the soil under treatment) under high pressure under high velocity with single, double & triple injection system.

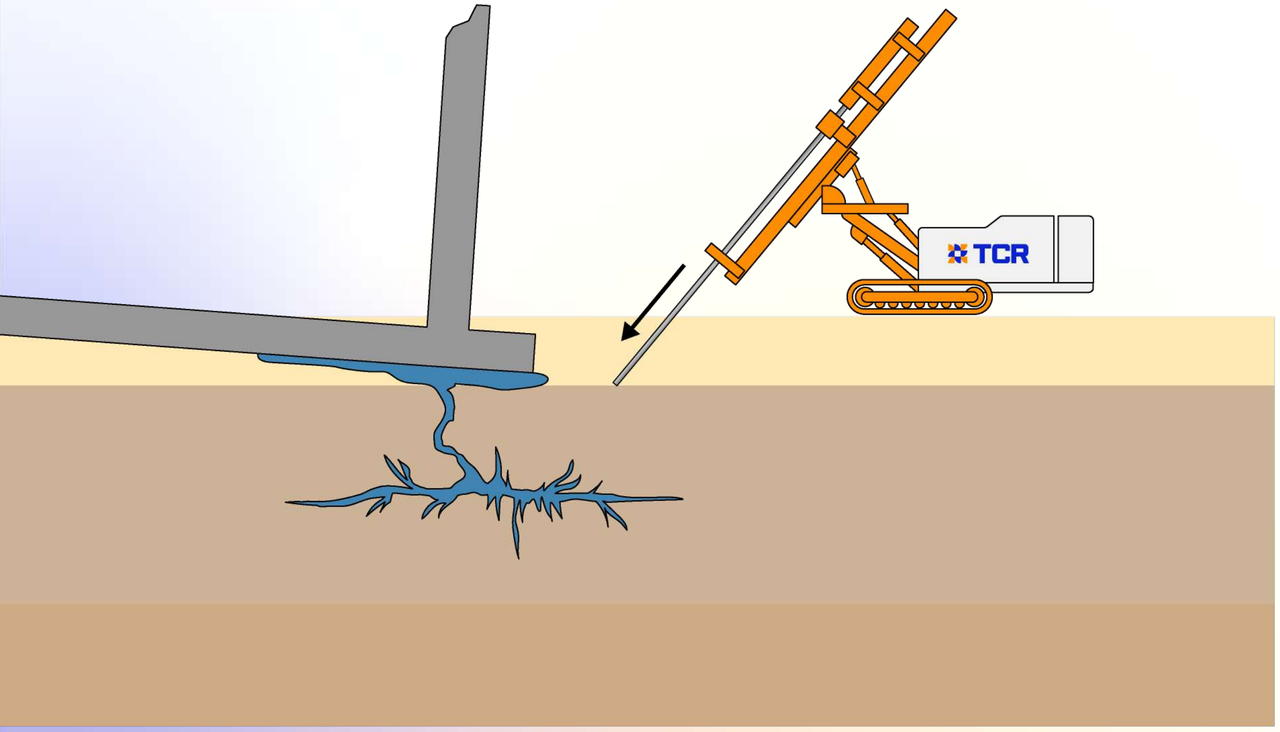
## Jet-grouting ground improvements application:

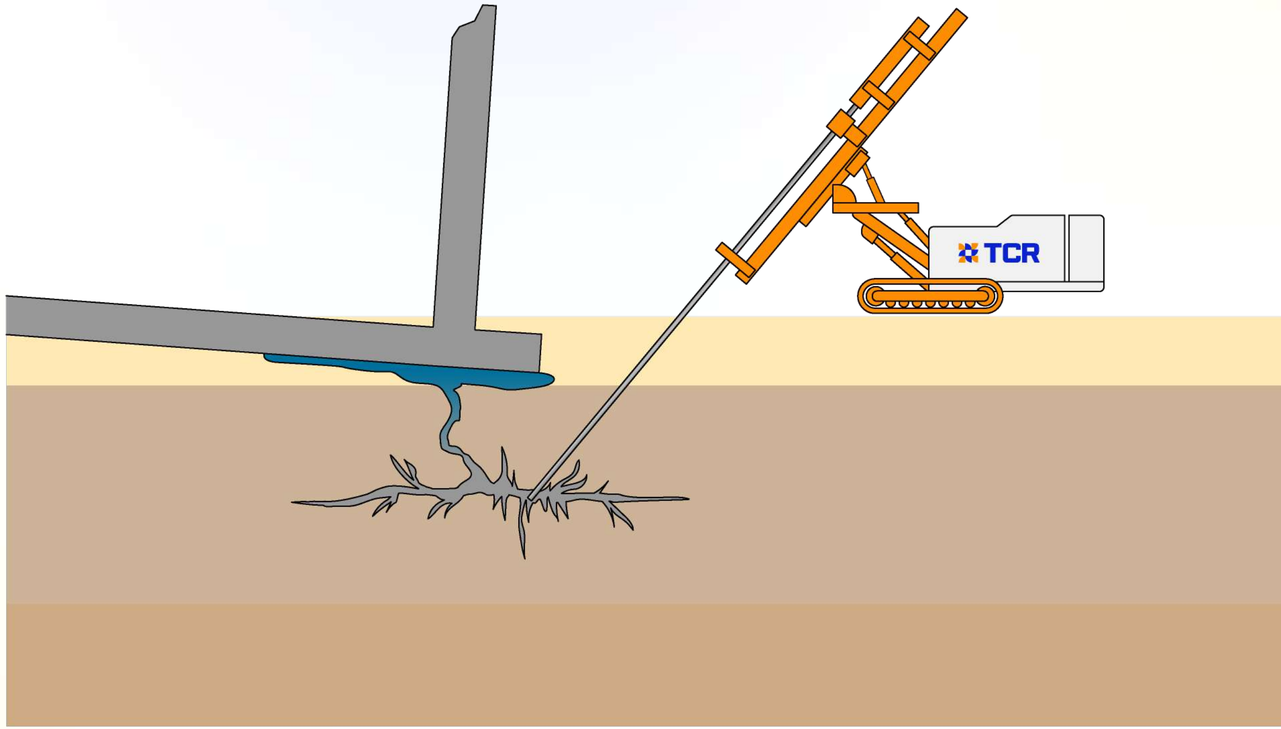
- Horizontal barriers
- Groundwater control
- Tunneling
- Support excavation
- Underpinning
- Soil Stabilization



# HYDRO FRACTURE GROUTING

Hydro Fracture also known as compensation grouting is a technique in which a low viscosity cement grout is injected under high pressure. The grout will split open the ground using hydro fracturing and it creates lenses that would penetrate void spaces or fractures. Soils are also displaced using this process. Fracture grouting is commonly used for structures releveling and on stabilizing overlying structures during tunneling.

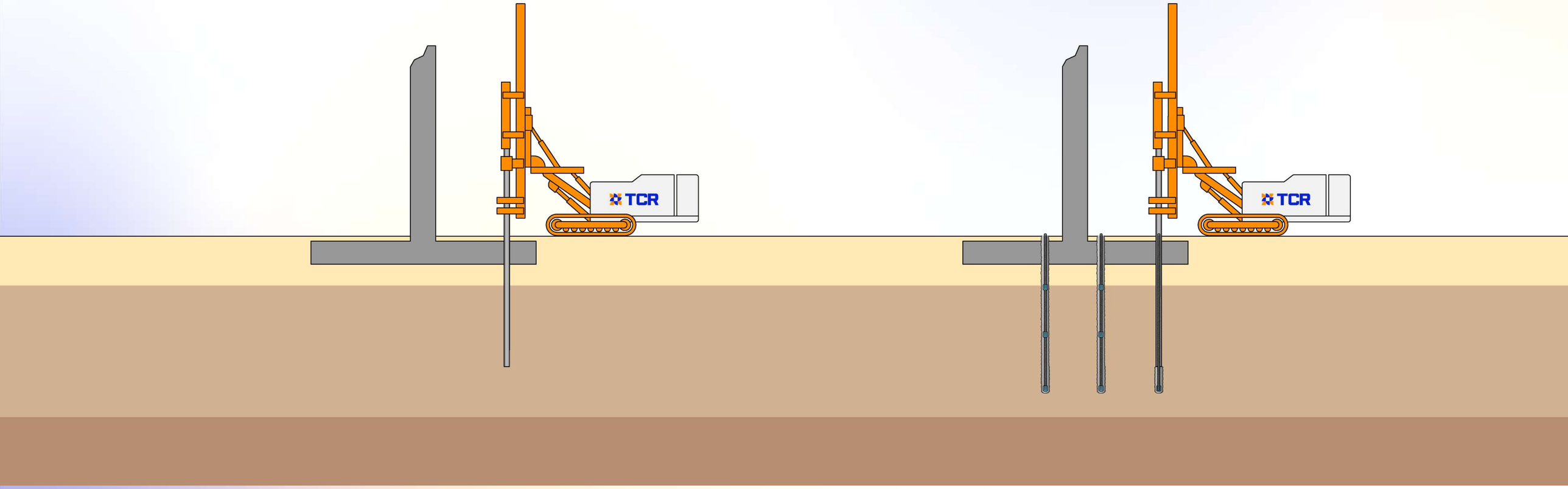


# MICROPILE

Micro piles are deep foundation element constructed using high-strength, small-diameter steel casing and/or threaded bar.

Micro pile casing generally has a diameter in the range of 3 to 10 inches. Typically, the casing is advanced to the design depth using a drilling technique. Reinforcing steel, typically an all-thread bar, is inserted into the micro pile casing. High-strength cement grout is then pumped into the casing. The casing may extend to the full depth or end above the bond zone with the reinforcing bar extending to the full depth.

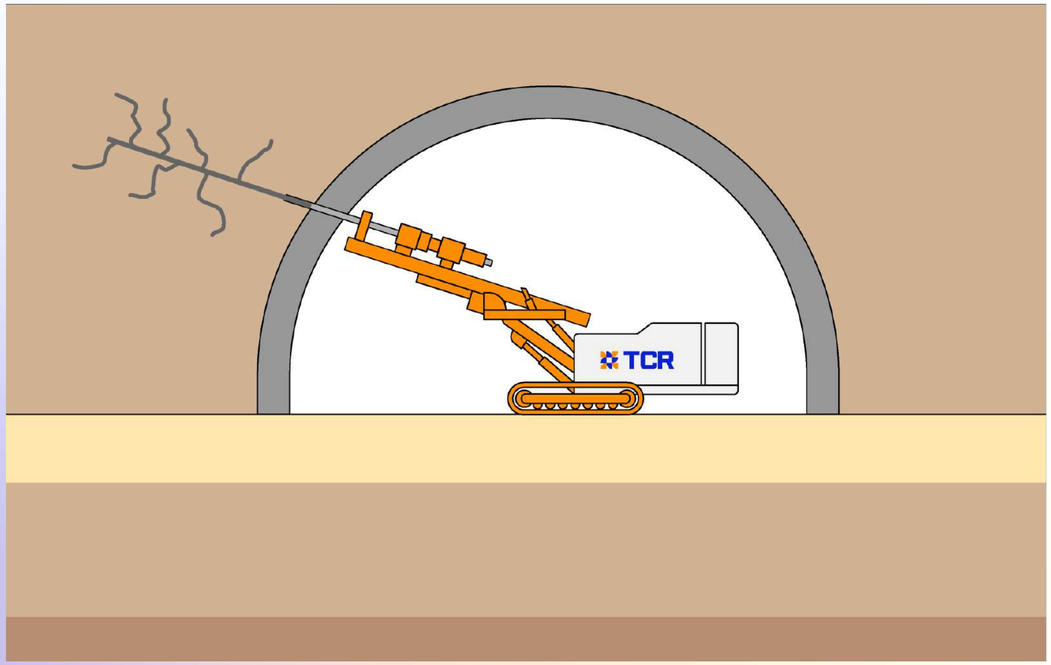


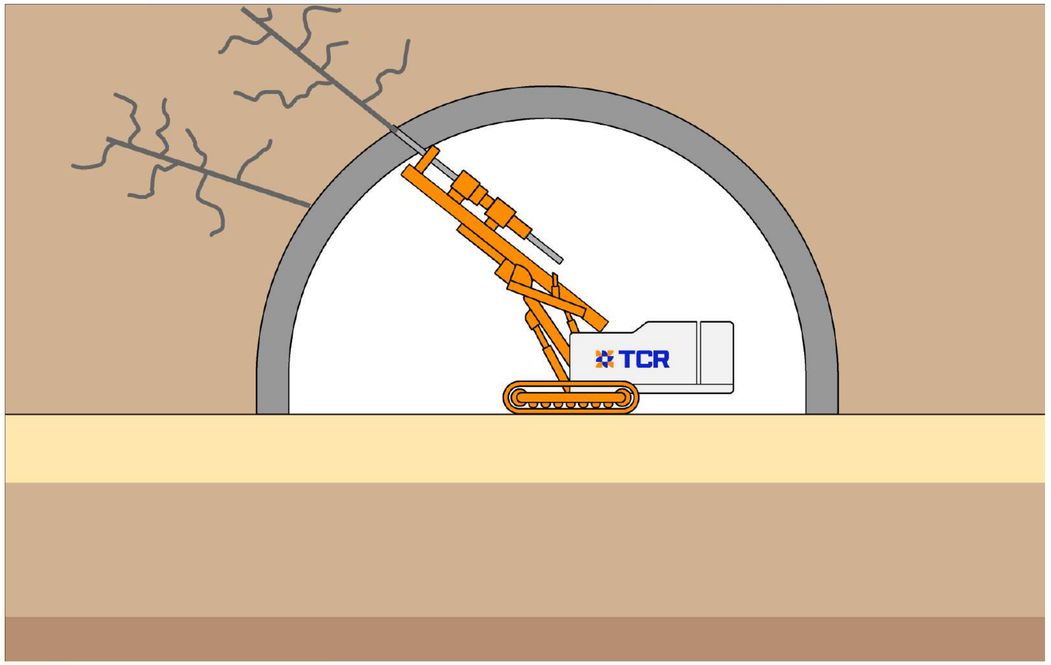
# CONSOLIDATION GROUTING

Consolidation is a grout injection technique which consolidate a layer of soil and increase the density to fill the fractures or discontinuities in rock mass. The discontinuities in a rock mass control fundamental rock mass properties such as permeability, strength, and deformability.

## Consolidation grouting reduces the hydraulic gradient and stops the flows, it commonly used based on the nature of discontinuity/ deformity

- Curtain Grouting
- Water Cut-off Grouting
- Foundation Grouting
- Initial Excavation Grouting



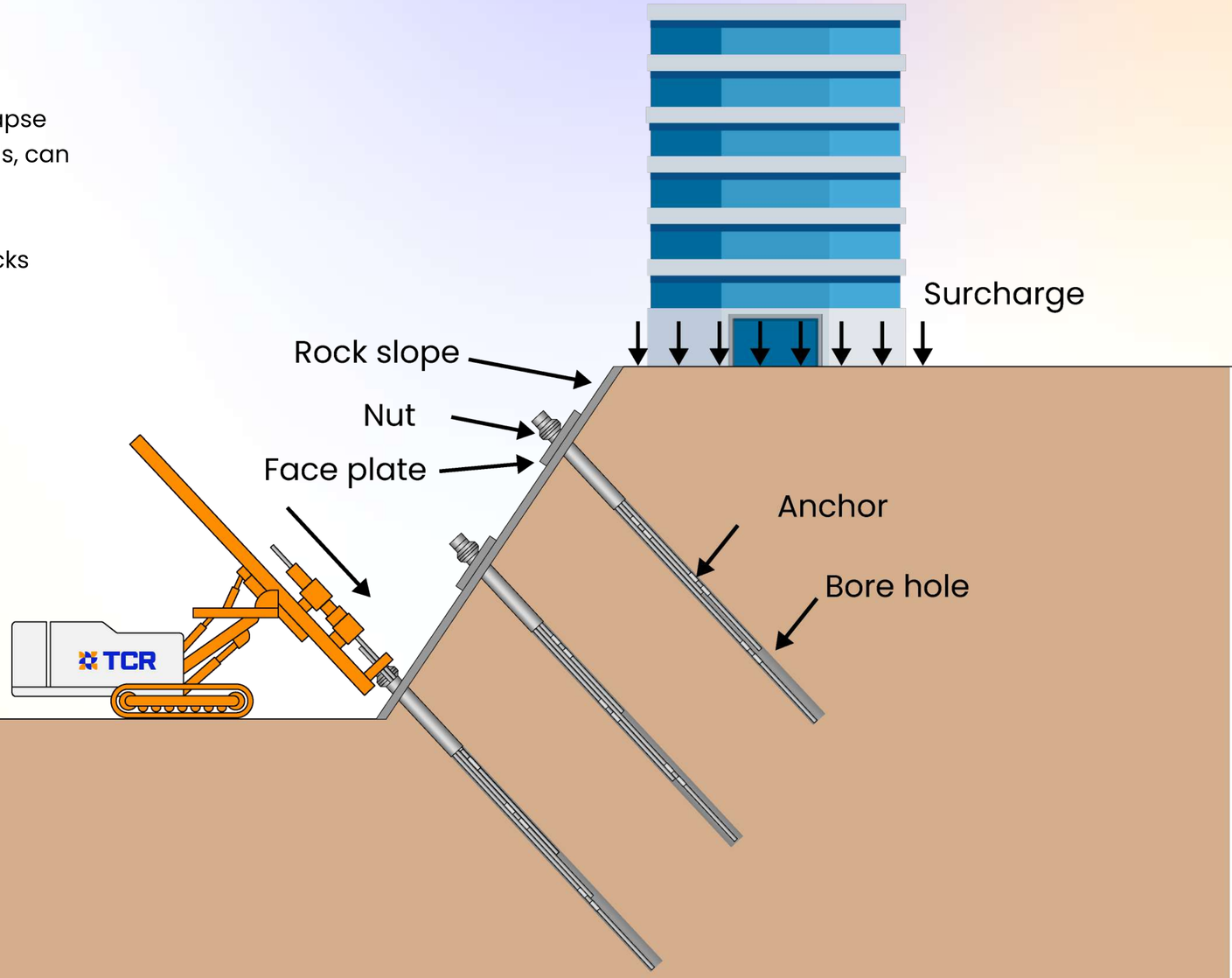
# SLOPE STABILIZATION

Slope stabilization is the protection of an inclined surface due to sliding or collapse failure. Different earth retention systems, including soil nailing, and tieback walls, can carry out slope stabilization and remediation measures.

Anchored block slope stabilization consists of discrete, anchored concrete blocks placed in a pattern on a slope to increase the slope stability. The block layout pattern is typically in rows across the slope or retaining wall.



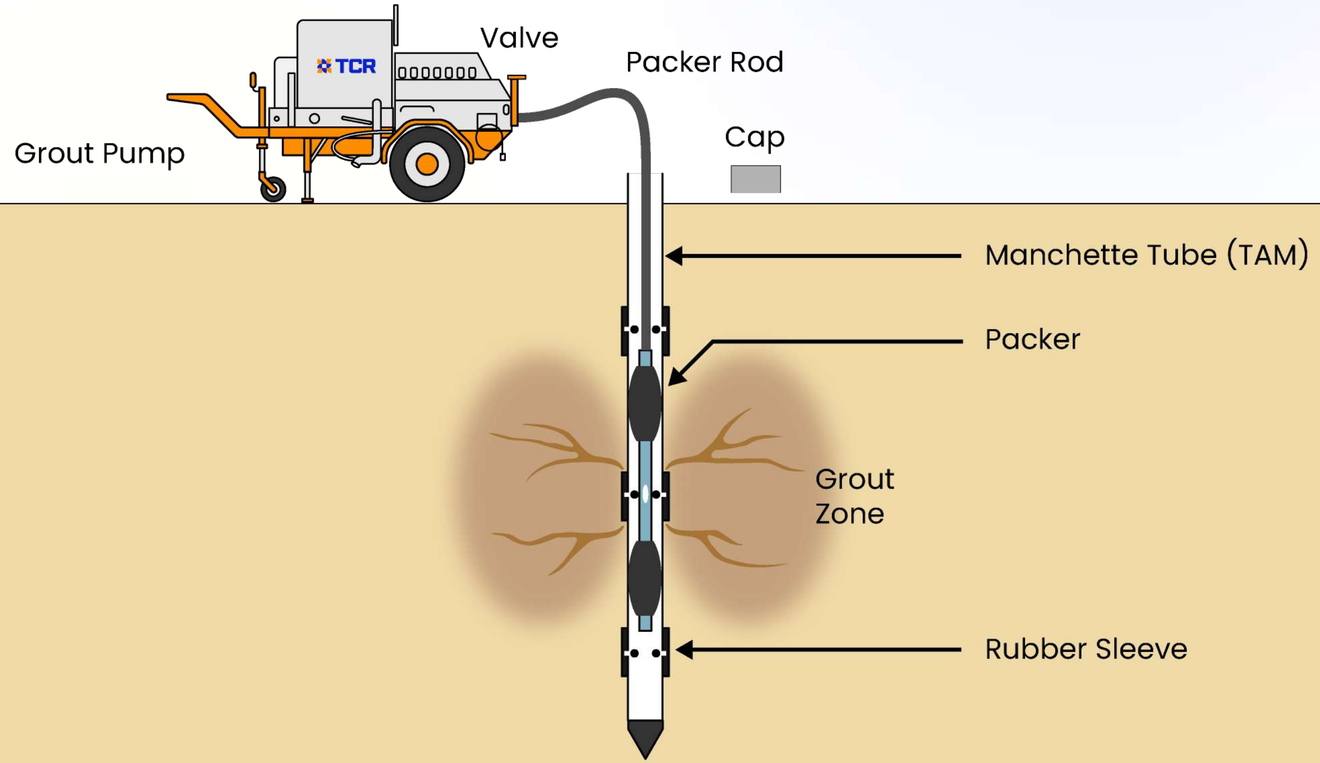




# TUBE-A-MANCHETTE GROUTING

Tube a Manchette (TAM) grouting method involves the use of perforated pipe along with a special sleeve grout. These pipes/tubes are then inserted into the hole for grouting with short sections of rubber sleeve (Manchette) on the outer part of the pipe that acts as a one-way valve.

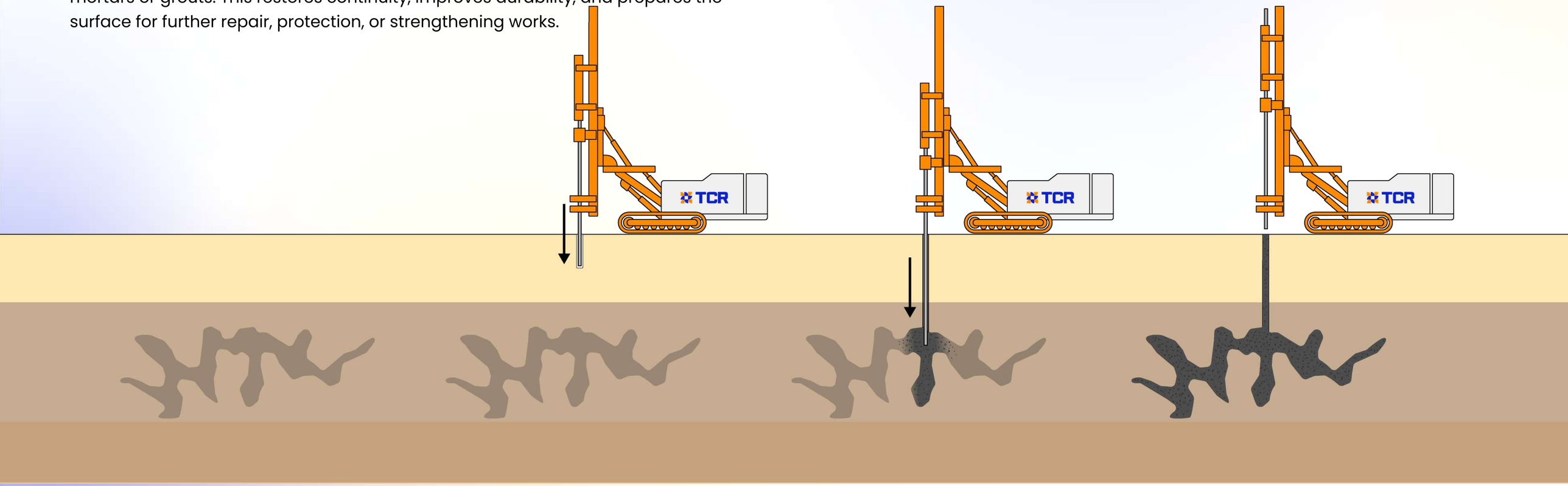
Double packer is used to pump the grout into manchette tube until the packer is halfway past the set of the holes drilled into the tubes. Grout is pumped into the hole between confining packers by applying pressure. Pressure pushes the grout past the small rubber sleeves to cover perforation, rupture the sleeve grout and enter the soil.



# CAVITY FILLING

Cavity filling is the treatment of voids, honeycombs, and gaps in concrete caused by poor compaction, segregation, or deterioration. These defects can reduce strength and allow water and chemicals to penetrate the structure.

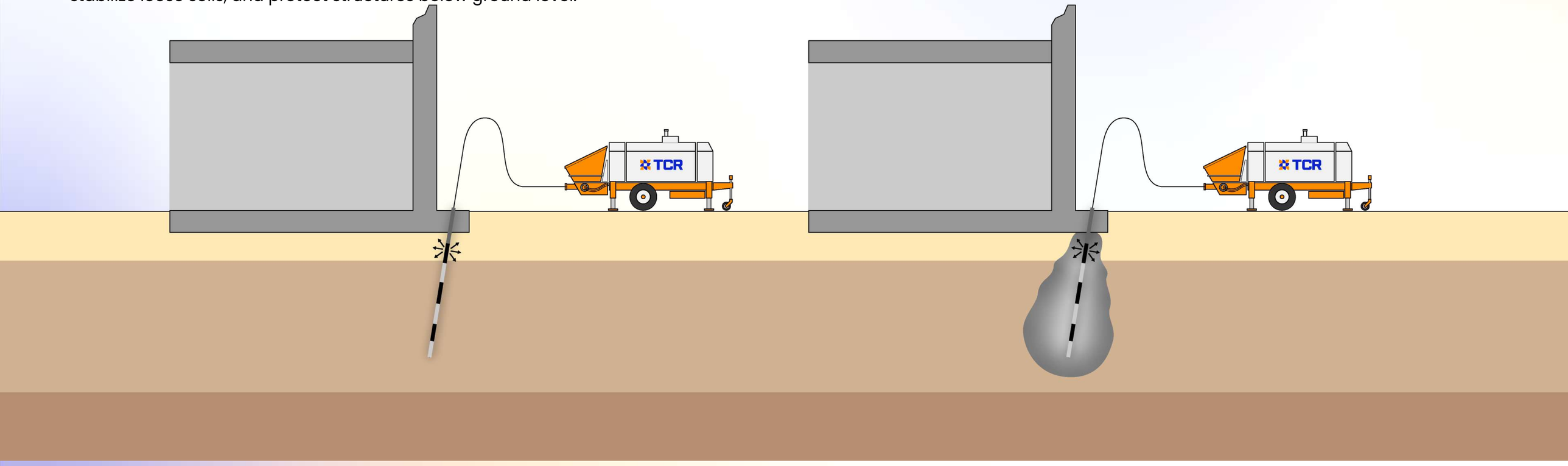
Cavity filling involves cleaning the affected area and filling it with suitable repair mortars or grouts. This restores continuity, improves durability, and prepares the surface for further repair, protection, or strengthening works.



# CHEMICAL GROUTING

Chemical grouting is a ground improvement and waterproofing technique used to seal voids, fissures, and permeable soils. It involves injecting low viscosity chemical solutions that penetrate fine cracks and soil pores.

The grout reacts and solidifies within the ground, reducing permeability and increasing stability. Chemical grouting is commonly used to control water ingress, stabilize loose soils, and protect structures below ground level.



# STRUCTURAL & CIVIL

# CARBON FIBRE REINFORCEMENT POLYMER (CFRP)

Carbon fiber reinforced polymer (CFRP) is one of the composite materials which is used in both repairing and strengthening of reinforced concrete structures.

The main function of fiber reinforced materials is to provide sufficient strength and stiffness along the development direction of components and support the mechanical traction of structural components. Glass fiber, carbon fiber, and aramid fiber are the most commonly used fiber types in commercial applications.







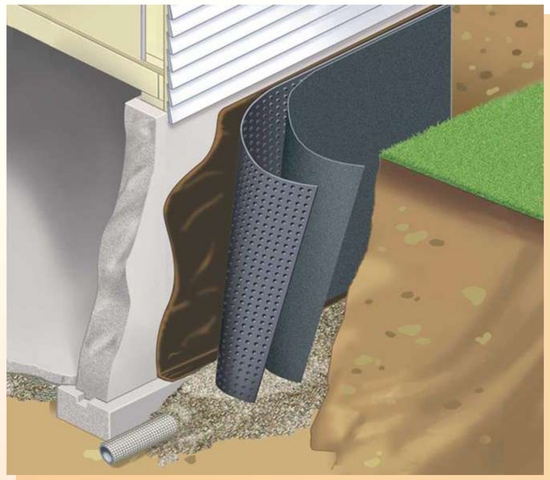


# WATERPROOFING

Waterproofing is the process of making an object or structure waterproof or water-resistant so that it remains relatively unaffected by water or resisting the ingress of water under specified conditions. Such items may be used in wet environments or underwater to specified depths.

- Cementitious Waterproofing.
- Liquid Waterproofing Membrane.
- Bituminous Coating Waterproofing.
- Bituminous Membrane Waterproofing.
- Polyurethane Liquid Membrane Waterproofing.









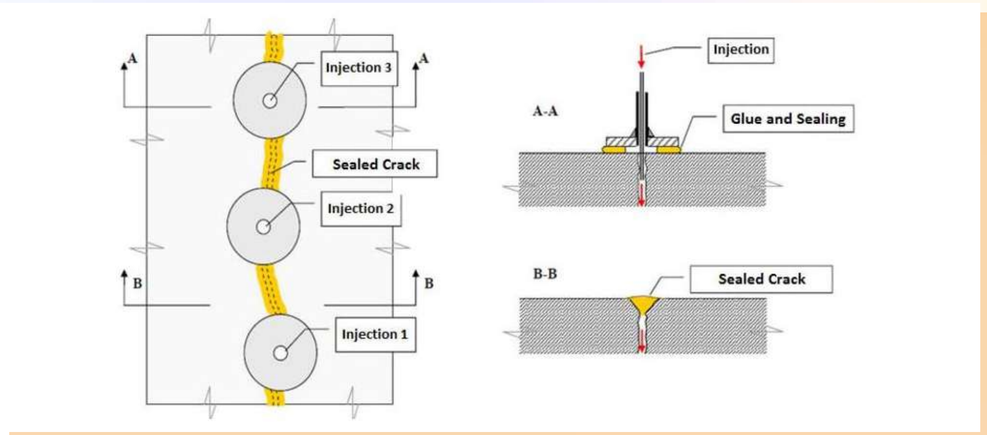
# CRACK INJECTION (WET & DRY)

Epoxy injection is an economical method of repairing non moving crack in concrete walls, slabs, columns, and piers is capable of restoring the concrete to its pre cracked strength. Prior to doing any injection it is necessary to determine the cause of crack, other wise if the source of cracking is not determined and remedied the concrete may crack again.















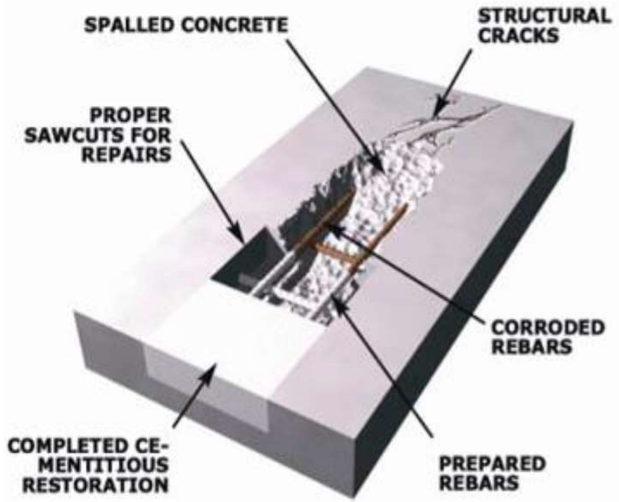



# PATCH REPAIR

Patch repair is the most common technique to repair corrosion damage in RC structures. For a patch repair, the concrete cover is typically removed to approximately 25 mm past the steel bars (which are then cleaned of corrosion products) and a repair material is installed.

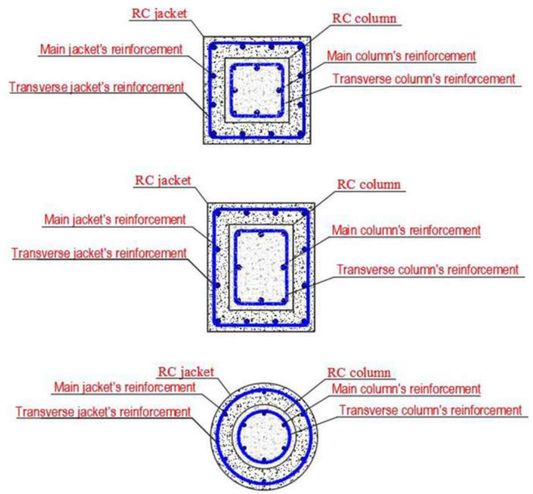




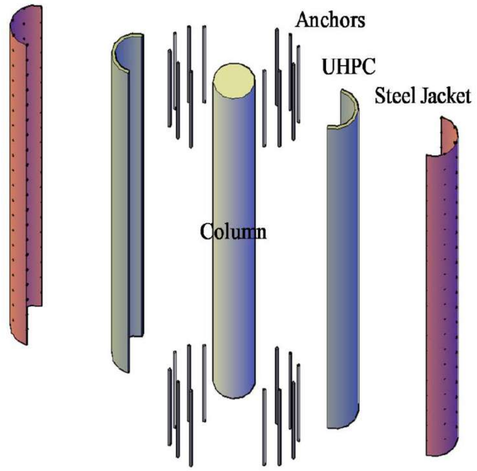


# JACKETING

Concrete strengthening is a process used to add or restore ultimate load capacity of reinforced concrete columns. It is used for seismic retrofitting, supporting additional live load or dead load that not included in the original design, to relieve stresses generated by design or construction errors, or to restore original load capacity to damaged structural elements.





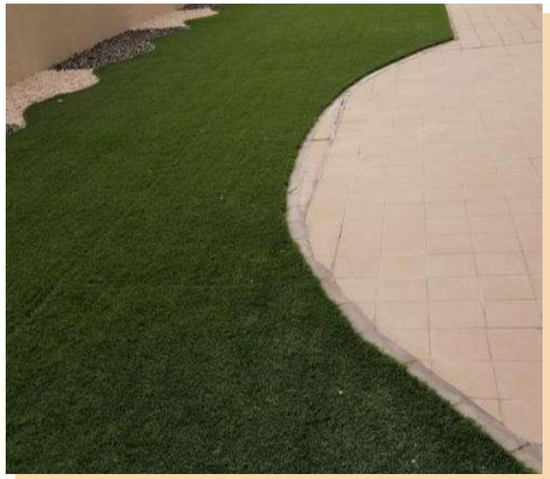
# RETRO FITTING & CIVIL WORKS

TCR is doing the complete retro fitting & finishing works to deliver the turn key project, our team is experienced & trained for the following works.

- Block work & plastering
- Painting
- Epoxy Flooring
- Complete MEP
- Floor & wall tiling
- Interlocking floors
- Landscaping









# EQUIPMENT

DRILLING RIGS

GROUT PUMPS

CONCRETE REPAIRING PUMPS

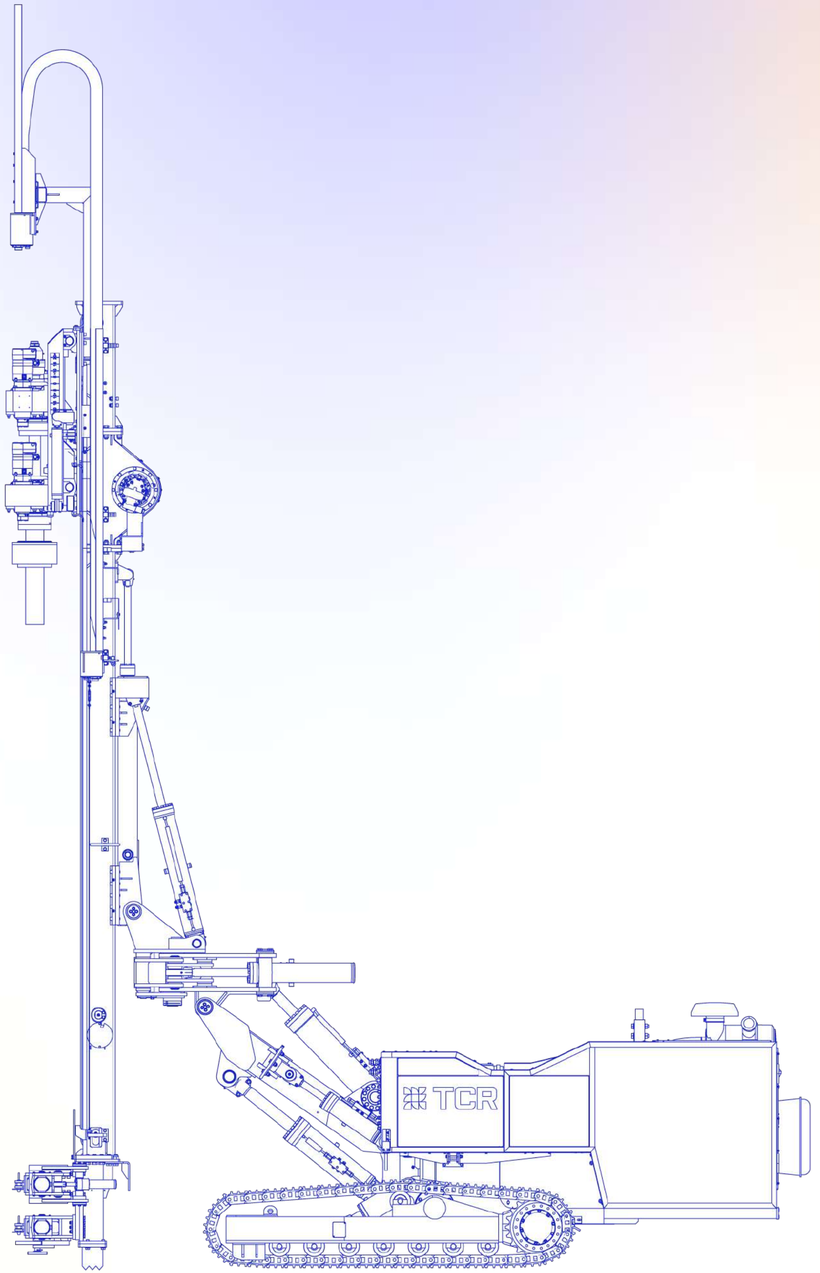
CONCRETE PUMPS

AIR COMPRESSORS

CENTRAL GROUT MIXING PLANT

CONCRETE GROUT EQUIPMENTS

OTHER EQUIPMENTS



# EQUIPMENT

## DRILLING RIGS



HUTTE HBR 504



G KLEMM KR806-3



KLEMM 702



SOILMEC SM 401



BERETTA T21



BERETTA T43



CASAGRANDE C6



CASAGRANDE C6 XP



TESCAR TES 20



BERETTA T21



MAIT 405



GKLEM 401

## HIGH PRESSURE JET GROUT PUMPS



LEC XTB-2B




METAX

## CONCRETE PUMPS




MECBO




REED B50

## GROUT PUMPS




SON MAK EP 100



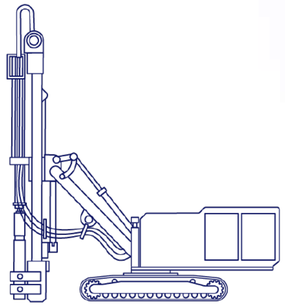
PUTZMEISTER P13




SON MAK EP 150

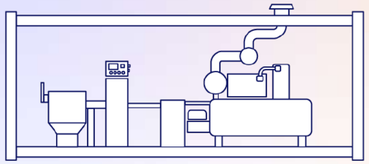


OBERMANN 110



## DRILLING RIGS

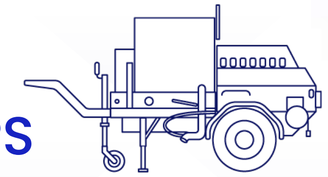
| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | SOILMEC SM 401 (JET GROUTING) | 1 |
| 2 | KLEMM KR806 (DOUBLE HEAD) | 1 |
| 3 | KLEMM KR 401-2 (JET GROUTING) | 1 |
| 4 | CASAGRANDE C6 | 1 |
| 5 | CASAGRANDE C6XP | 1 |
| 6 | TESCAR TES20 | 1 |
| 7 | BERETA T21 | 2 |
| 8 | BERETA T43 | 2 |
| 9 | MAIT 405 | 1 |
| 10 | HUTTE HBR 504 | 1 |



## GROUT PUMPS

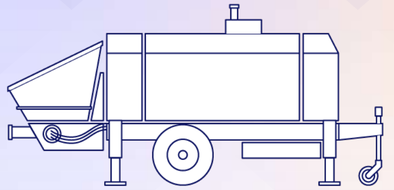
| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | METAX MP5-470 (JET GROUTING) | 1 |
| 2 | SON MAK EP100 | 1 |
| 3 | GAODETEC LEC XTB -2B (JET GROUTING) | 1 |
| 4 | SON MAK EP150 | 1 |
| 5 | OBERMANN HD 115 (JET GROUTING) | 1 |
| 6 | CHEM GROUT CG-550 | 8 |
| 7 | TECHNIWELL TW CJU (JET GROUTING) | 1 |

## CONCRETE REPAIRING PUMPS



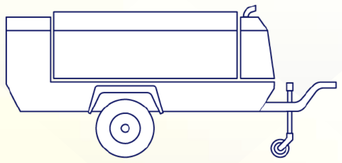
| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | PUTZMEISETER P13 | 3 |
| 2 | PUTZMEISETER MP25 | 4 |
| 3 | PUTZMEISETER SEVTM | 2 |
| 4 | REED SOVA SHOTCRETE PUMP (DRY METHOD) | 1 |

## CONCRETE PUMPS



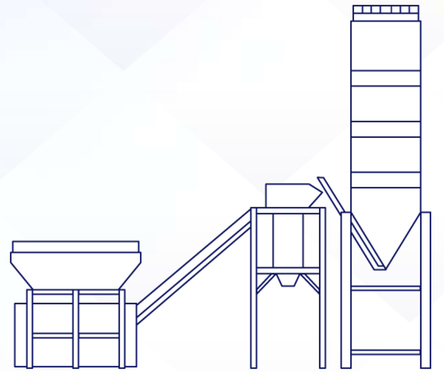
| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | REED B20 BF4M | 2 |
| 2 | MECBO CAR P6 | 1 |

## AIR COMPRESSORS

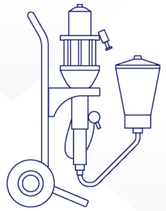


| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | ATLAS COPCO XAHS950 CD | 1 |
| 2 | ATLAS COPCO XAS 97 | 1 |

## CENTRAL GROUT MIXING PLANT



| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | CENTRAL GROUT MIXING BATCH PLANT 25M3/ HOUR CAPACITY | 2 |



## CHEMICAL GROUT EQUIPMENTS

| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | WIWA 2K INJECTION PUMP | 1 |
| 2 | DESOI PULL DEVICE H-1 | 1 |
| 3 | INFLATABLE PACKERS | 15 |
| 4 | LENSES EXTRACTION | 2 |



## OTHER EQUIPMENTS

| Sr No. | Machine Name | Nos. |
|---|---|---|
| 1 | CORING MACHINES | 2 |
| 2 | WATER JET MACHINE | 2 |
| 3 | WELDING MACHINES | 3 |
| 4 | WATER TANK | 6 |
| 5 | CEMENT STORAGE SILO | 1 |
| 6 | STEEL CUTTING MACHINES | 3 |
| 7 | STEEL BENDING MACHINES | 2 |

# MAJOR PROJECTS

## GEOTECHNICAL WORKS

- Ground Improvement - Citizen Houses
- Tam Grouting & Refurbishment - Hulaila RAK
- Track Modification - Yas Marina Circuit
- Shamkha Medical Center
- Abu Dhabi Future School
- Tanveer Hall - University of Sharjah
- Junior Staff Accomodation - Dubai Dry Dock World
- Residential Compound - Khalifa City

## STRUCTURAL STRENGTHENING & RETROFIT WORKS

- Structural Repair & Leakage Treatment - Business Bay
- Structural Strengthening - Carlton Hotel Deira
- Radiant Square Project, City of Lights - Reem Island
- Atrium Towers Plot - Al Reem Island
- Sharjah Sports Club, Samnan - Sharjah
- Martyr’s Square - Sharjah
- Structural Modification - Marina Mall
- Structural Changes - Circle Mall JVC
- Structural Strengthening - Paragon Bay Mall
- Gabion Wall Rayyana Boundary - Khalifa City

GEOTECHNICAL

# Citizen Houses

دائـرة البلـديـات والـنـقـل
DEPARTMENT OF MUNICIPALITIES AND TRANSPORT

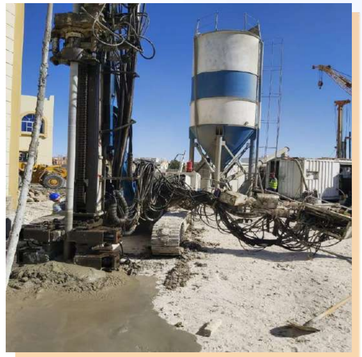
## Ground improvement works for Damaged Citizen Houses in Different area in Emirates of Abu Dhabi

### Challenge

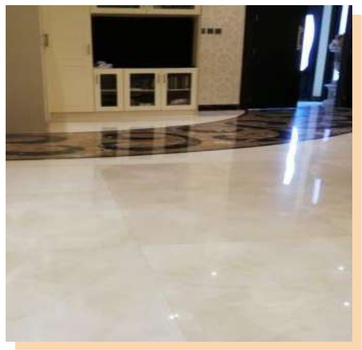
Citizen houses & plots in different areas of Emirates of Abu Dhabi having geotechnical deformities, cavities, soil fracture and liquifaction resulting in the differential settlement of the ground and structural damage.

### Solution

TCR has been appointed by Abu Dhabi City Municipality for the mitigation of the geotechnical problem. Ground improvement & structural strengthening techniques like Jet Grouting, Micropile, Soil Mixing, Compaction Grouting, TAM Grouting, Permeation grouting, crack repair, slab thickening, waterproofing and finishing were used successfully.





### Client

Crown Prince Court

### Consultant

Al Torath International

### Value

AED 14,000,000

### Location

Abu Dhabi Mainland

GEOTECHNICAL

# Tam Grouting & Refurbishment Hulaila

Structural repairs and refurbishment work of the warehouses and surrounding roads in shed 12, 14 and 16 in Hulaila

## Challenge

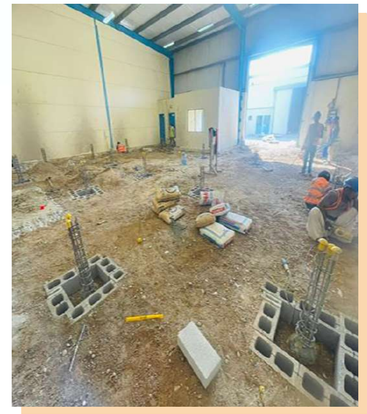
Structural Strengthening such as voids in some areas, slab strengthening. Additional slabs to create raised floor (Loading Bays)

## Solution

TCR has been appointed by Client to address the above requirements. Voids were closed with the combination of steel beams, micro-concrete and normal concrete. The nearby structural elements (slabs, columns and beams) were strengthened by section enlargement and CFRP to bear the additional loads. It was a design and build project carried out under the supervision of consultants.








## Client

M/s Ras Al Khaimah Economic Zone

## Consultant

M/s Designer Engineering Consultant

## Value

AED 4,357,290

## Location

Hulaila, RAK

GEOTECHNICAL

# Track Modification

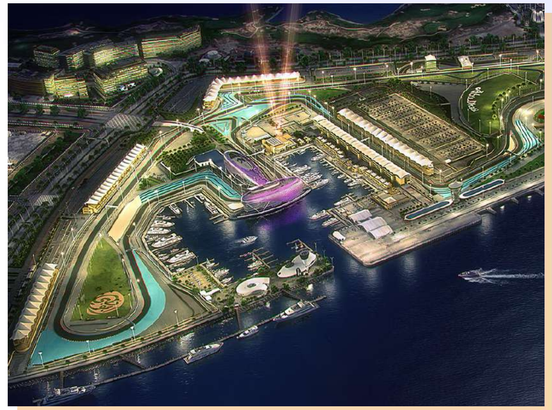
## Modification of F1 Racetrack at t-11 for 2021 Formula One

### Challenge

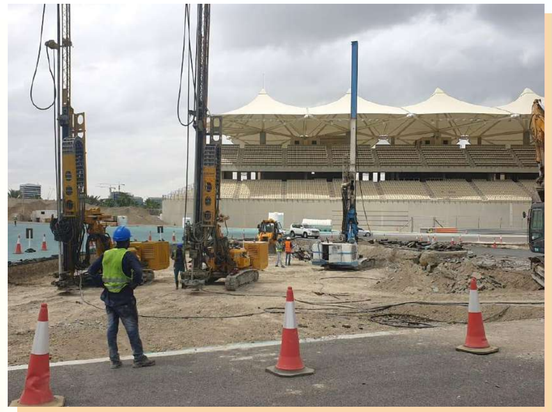
Yas Marina circuit planned for the modification of F1 racetrack at T-11 for 2021 Formula One event but the soil strata beneth the planned area was loose to support the new track.

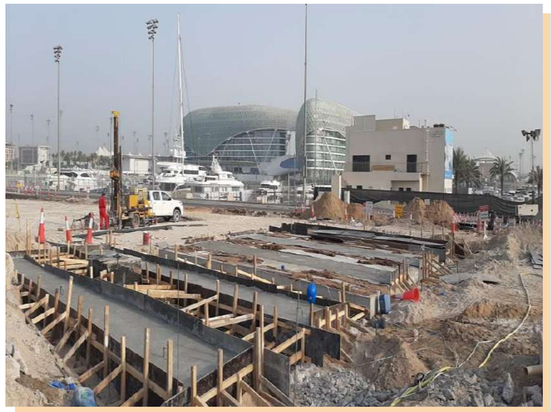
### Solution

TCR has been appointed by Abu Dhabi Motorsports Management for the mitigation of the geotechnical problem. Jet Grouting andControlled modulus column technique was used with the protection of utilities successfully.







### Client

Abu Dhabi Motorsports Management

### Consultant

KN International

### Value

AED 3,500,000

### Location

Yas Marina Abu Dhabi

GEOTECHNICAL

# Shamkha Medical Center

Faced differential settlement due to liquefaction of the strata

## Challenge

Type B Medical Center (SEHA) faced differential settlement due to liquefaction of the strata, areas in Abu Dhabi having geological issues of loose strata and underground cavities resulting settlement causing damage to the structure.

## Solution

TCR has been appointed by ASGC for the mitigation of the geotechnical & structural problem. Based on the recommendation of the engineer and available data Micropile & pile caps was used to add the support to the existing structure to avoid the effect in future.








## Client

Abu Dhabi Health Services Co. (SEHA)

## Consultant

HDP

## Value

AED 3,200,000

## Location

Al Shamkha - Abu Dhabi

GEOTECHNICAL

# Abu Dhabi Future School

دائرة التعليم والمعرفة
DEPARTMENT OF EDUCATION AND KNOWLEDGE

## Mitigation of the geotechnical & structural problem

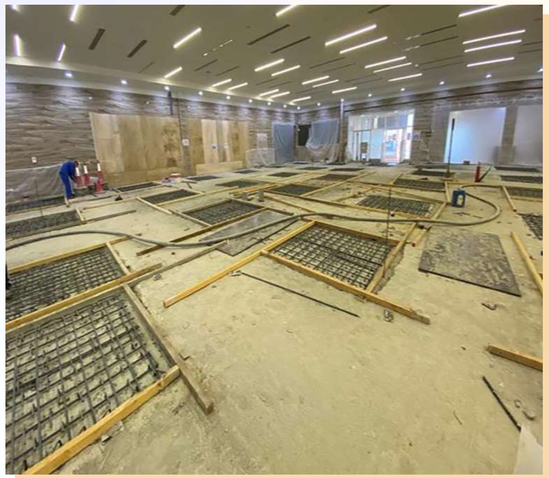
### Challenge

Future school located in Shakhbout city Abu Dhabi was built by contractor without the improvement of the soil strata resulting post construction deflection of concrete elements, differential settlement of internal floors & outer area and wall deflection.

### Solution

TCR has been appointed by Musanada for the mitigation of the geotechnical & structural problem. Based on the recommendation of the engineer and available data various ground improvement techniques like Jet Grouting, Micropile, TAM Grouting, pile caps and slab strengthening were used successfully.











### Client

Musanada

### Consultant

Al Suweidi

### Value

AED 1,600,000

### Location

Shakhbout City

GEOTECHNICAL

# Tanveer Hall

## Mitigation of the geotechnical & structural problem at University of Sharjah

Government of Sharjah
Department of Public Works
حكومة الشارقة
دائرة الأشغال العامة

### Challenge

Tanveer hall auditorium located at higher collage of technology in University of Sharjah faced differential settlement due to liquefaction of the soil strata resulted in the structural deformation & damage to the concrete elements

### Solution

TCR has been appointed by DPW Sharjah for the mitigation of the geotechnical & structural problem. Based on the recommendation of the engineer and available data TAM Grouting Techni was used successfully.





### Client

Department of Public Works - Sharjah

### Consultant

Eforce

### Value

AED 1,530,000

### Location

Sharjah University







GEOTECHNICAL

# Junior Staff Accomodation

IMD 189B - Block-E, DDWD-D Junior Staff Accommodation (JSA-1)

## Challenge

Junior staff accomodation for port Rashid in Dubai faced severe settlement & structural damage due to consolidation of strata, root cause identified was the hydro geological effect in close vicinity of the shore line.

## Solution

TCR has been appointed by Dry Docks for the mitigation of the geotechnical & structural problem. Based on the recommendation of the engineer and available data TAM Grouting Technique was used for the densification of the strata and creating a barrier to eliminate the hydrostatic effect in future.









## Client

Drydock World Dubai

## Consultant

Eforce

## Value

AED 1,500,000

## Location

DP World - Port Rashid Dubai

GEOTECHNICAL

# Residential Villa Compound

Residential compound of 38 villas, plot 46 sector 44, Khalifa City - Abu Dhabi

## Challenge

Villa compound owned by Her Highness Shekha Mozah Tahnoon Mohammed Al Nahyan having differential settlement due to loose strata and liquefaction causing the damage to the structure.

## Solution

TCR has been appointed by CATIC for the mitigation of the geotechnical problem and structural repairs. Micropile, TAM Grouting & structural strengthening & retro fitting works were done to increase the bearing capacity in order support the structure and subsidize the effect in future.








## Client

H.H. Sheikha Mozah Tahnoon Mohammed Al Nahyan

## Consultant

Architectural Engineering Consultants

## Value

AED 1,500,000

## Location

Khalifa City - Abu Dhabi

STRUCTURAL STRENGTHENING & RETROFIT

# Structural Repair & Leakage Treatment

## Structural Repairs & Leakage Treatment to Basement 1,2,3,4, @ 4B+G+19 Commercial and Residential Building at Business Bay, Dubai

ALSAYYAH

### Challenge

Blue Bay Tower located in Business bay Dubai owned by Al Sayyah Group faced structural issues like delamination of slab & pile cap, Upliftment of raft due to hydrostatic pressure, corrosion of rebar, Water leakage and structural cracks.

### Solution

TCR has been appointed by Al Sayyah Group for the mitigation of the issues, various techniques like dewatering, demolition & recasting of effected slabs, thickening of non affected slab, waterproofing, closing of dewatering wells & epoxy traffic flooring were used successfully.











### Client

Al Sayyah & Sons Investment

### Consultant

Architectural Engineering Consultants

### Value

AED 21,000,000

### Location

Khalifa City - Abu Dhabi

STRUCTURAL STRENGTHENING & RETROFIT

# Carlton Hotel Deira

المستثمر الأول
THE FIRST INVESTOR

## Structural Strengthening works at Carlton Hotel Deira

### Challenge

Carlton Hotel located in Deira, Dubai - Challenges Structural strengthening due to corrosion of steel in the columns, beams and demolition and reconstruction of 2 slabs.

### Solution

TCR has been appointed by the client for the mitigation of the problems and executed successfully strengthening using section enlargement technique and deep skin repair method and demolition and reconstruction of 2 slabs.



### Client

The First Investor

### Consultant

Chawla Architectural and Consulting Engineers

### Value

AED 9,600,000

### Location

Deira, Dubai

STRUCTURAL STRENGTHENING & RETROFIT

# Radiant Square Project

Radiant Square Project, Plot RT3-13, City of Lights,
Reem Island, Abu Dhabi

## Challenge

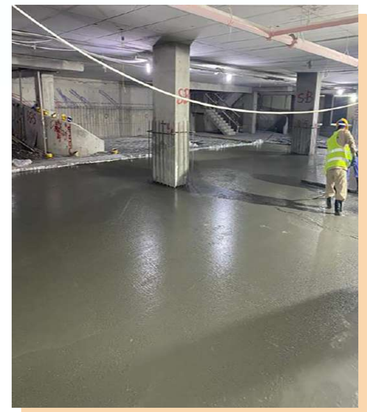
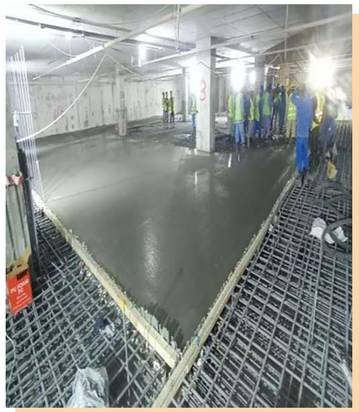
Radiant Square Tower (5 Towers) located in Reem Island owned by Maliah Group faced structural issues like delamination of raft slab in basement, Uplift due to hydrostatic pressure, corrosion of rebars, water leakage and structural cracks.

## Solution

TCR has been appointed by Client to address the above requirements and mitigation of the issues, like dewatering thickness of affected slabs, waterproofing, closing of dewatering wells. It was a design and build project carried out under the supervision of consultants.





## Client

M/s Malaih
Investment & Proj. Dev't.

## Consultant

M/s Architectural
Consulting Group (ACG)

## Value

AED 8,662,500

## Location

Reem Island, Abu Dhabi

STRUCTURAL STRENGTHENING & RETROFIT

# Atrium Towers Plot

Strengthening of Piles at
C23-C24 Sector No.RT3

RADIANT REAL ESTATE

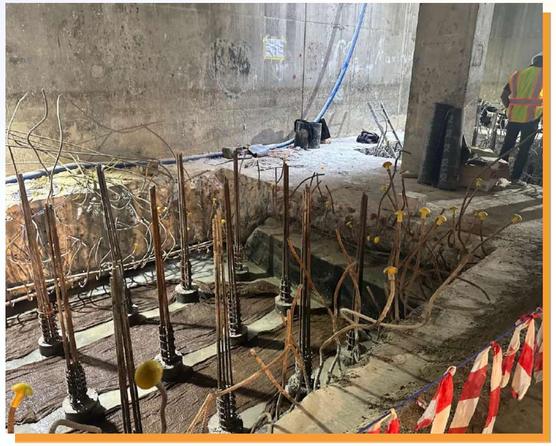
## Challenge

Atrium Tower Located in Al Reem Island Abu Dhabi – main challenges enlargement of raft due to earthquake design regulations.

## Solution

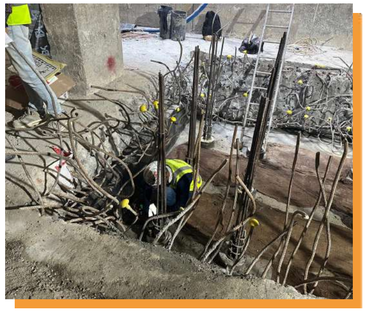
TCR has been appointed by the client for the mitigation of the problems and executed successfully strengthening of piles adding additional micro piles and enlargement of pile cap.











## Client

Radiant Real Estate

## Consultant

e11 Engineering Consultancy & Project Management

## Value

AED 8,500,000

## Location

Al Reem Island, Abu Dhabi

STRUCTURAL STRENGTHENING & RETROFIT

# Sharjah Sports Club

302-082, Structural repair works for the buildings of Sharjah Sports Club – Samnan Branch

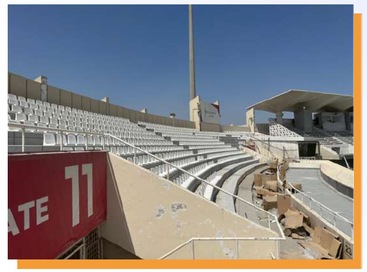
Government of Sharjah
Department of Public Works
حكومة الشارقة
دائرة الأشغال العامة

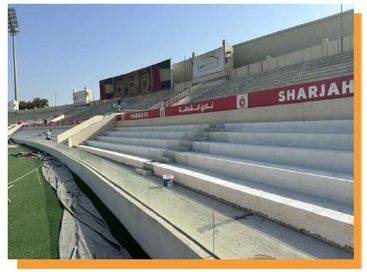
## Challenge

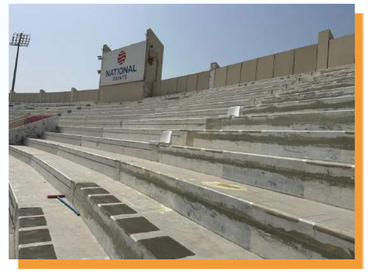
Samnan Club located in Sharjah Industrial area -5 – main challenges structural rectification, water proofing and complete renovation of football stadium including replacement of chairs.

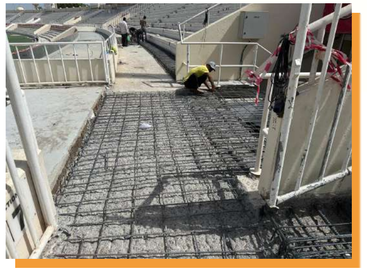
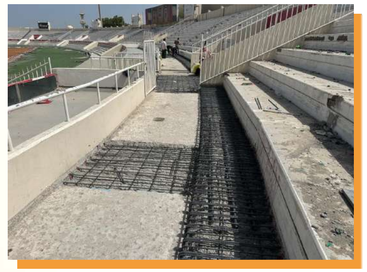
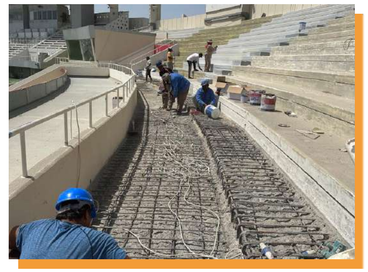
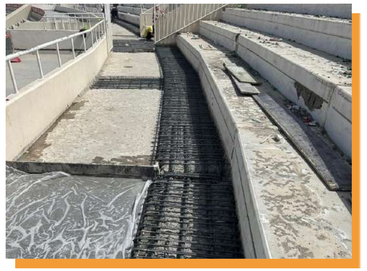
## Solution

TCR has been appointed by Department of Public Works for the mitigation of structural problems. Based on the recommendations from engineers, TCR executed the works and completed successfully within the time frame.





## Client

Department of Public Works - Sharjah

## Consultant

Eforce Engineering Consultancy

## Value

AED 8,400,000

## Location

Samnan, Sharjah

STRUCTURAL STRENGTHENING & RETROFIT

# Martyr’s Square

## 601-058, Remedial/Strengthening Works Required for Martyr's Square Visitors Building

Government of Sharjah
Department of Public Works
حكومة الشارقة
دائرة الأشغال العامة

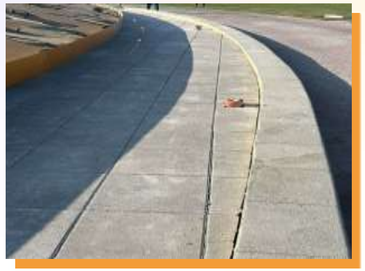
## Challenge

Martyr’s square is located at University of Sharjah facing leakage on the basement due to absence of waterproofing membrane.

## Solution

TCR has been appointed by Department of Public works for the mitigation of the geotechnical and structural remedial works. based on the recommendation of the Engineer and available data curtain injection technic was used and succeeded along with other remedial works.











## Client

Department of Public Works - Sharjah

## Consultant

Eforce Engineering Consultancy

## Value

AED 7,154,000

## Location

Sharjah

STRUCTURAL STRENGTHENING & RETROFIT

# Structural Modification of Marina Mall

## Structural Modification Works including Void Filling at Marina Mall, Abu Dhabi

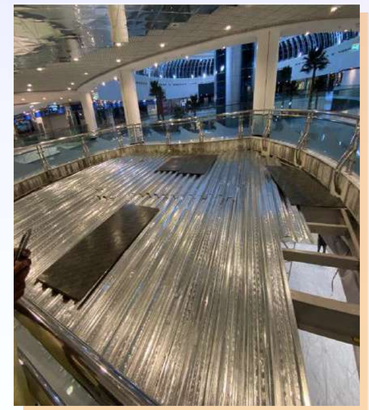
National Investment Corporation

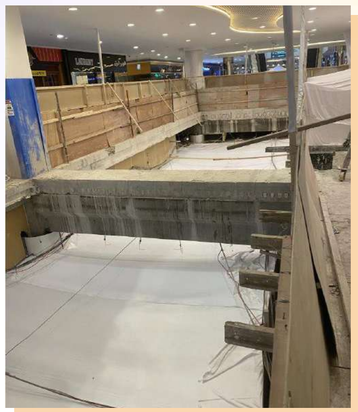
## Challenge

Proposed Structural Modification Works including Void Filling at FM 9, 10 and 11, upgrading of Marina Mall, Abu Dhabi.

## Solution

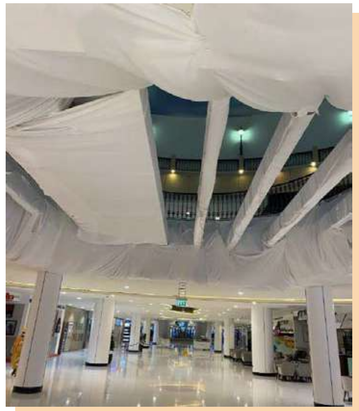
TCR has been appointed by Client to address the above requirements. Voids were closed with the combination of steel beams, micro-concrete and normal concrete. The nearby structural elements (slabs, columns and beams) were strengthened by section enlargement and CFRP to bear the additional loads. It was a design and build project carried out under the supervision of consultants.











## Client

M/s National Investment Corporation (PISC)

## Consultant

M/s WME Engineering Consultant

## Value

AED 5,250,000

## Location

Marina Mall, Abu Dhabi

STRUCTURAL STRENGTHENING & RETROFIT

# Circle Mall JVC

## Structural Changes to Accommodate New Leasable Area in First & Second Floor at Circle Mall Plot at No. JVC11VP200

NAKHEEL

### Challenge

Structural modifications such as closing of voids in some areas, creating new openings in some areas, slab extension to accommodate escalators and elevators. Additional slabs to create raised floors (loading bays).

### Solution

TCR has been appointed by Client to address the above requirements. Voids were closed with the combination of steel beams, micro-concrete and normal concrete. The nearby structural elements (slabs, columns and beams) were strengthened by section enlargement and CFRP to bear the additional loads. It was a design and build project carried out under the supervision of consultants.










### Client

Nakheel Properties

### Consultant

Arif & Bintoak Consulting Architects & Engineers

### Value

AED 4,300,000

### Location

Jumeirah Village Circle Dubai

STRUCTURAL STRENGTHENING & RETROFIT

# Structural Strengthening

TAMOUH

## Structural strengthening at Paragon Bay Mall, Reem Island, Abu Dhabi

### Challenge

Structural Strengthening such as voids in some areas, slab strengthening. Additional slabs to create raised floor (Loading Bays).

### Solution

TCR has been appointed by Client to address the above requirements. Voids were closed with the combination of steel beams, micro-concrete and normal concrete. The nearby structural elements (slabs, columns and beams) were strengthened by section enlargement and CFRP to bear the additional loads. It was a design and build project carried out under the supervision of consultants.








### Client

M/s TAMOUH

### Consultant

M/s Al Torath

### Value

AED 2,600,000

### Location

Reem Island, Abu Dhabi

STRUCTURAL STRENGTHENING & RETROFIT

# Gabion Wall Rayyana Boundary

Gabion Wall Rayyana Boundary Wall Phase 2
at Khalifa City

## Challenge

Repairs of Gabion Wall Rayyana Boundary Wall Phase 2 at Khalifa City - Abu Dhabi.

## Solution

TCR has been appointed by Client to address the above requirements. The purpose of this procedure is to provide details of Soil improvement by Jet Grout technique. It was a design and build project carried out under the supervision of consultants.









## Client

M/s Aldar Properties

## Consultant

M/s Bainona
Engineering Consultant

## Value

AED 2,100,000

## Location

Khalifa City, Abu Dhabi



## DUBAI

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Saheel Tower 2, Al Nahda 1

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## ABU DHABI

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info@tcrgroup.ae

# STRUCTURAL CONFIDENCE STARTS HERE

TCR
TALA CONCRETE REPAIRS