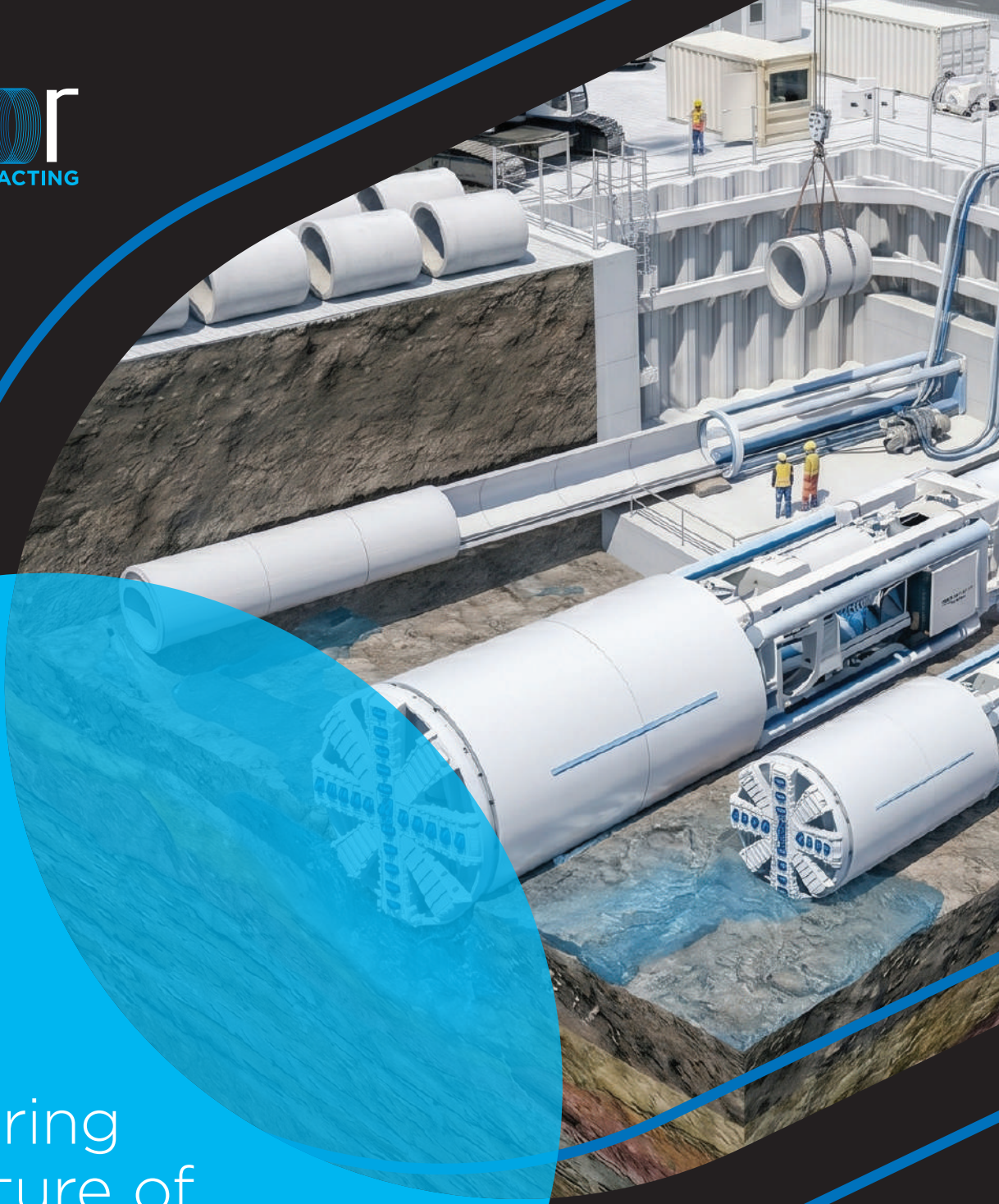
unibor
TUNNELING & CONTRACTING



Pioneering the Future of **TRENCHLESS TECHNOLOGY** in the UAE

COMPANY PROFILE

About UNIBOR



Unibor is a premier engineering and contracting company, based in the UAE, specialising in advanced microtunnelling and trenchless solutions.

Established in the year 2026 to support the nation's visionary infrastructure goals—including the Dubai Urban Master Plan 2040—the company meets the growing demand for trenchless utility and drainage networks, proudly serving key government entities such as the Roads and Transport Authority (RTA) and Dubai Municipality.

Driven by a team of seasoned industry veterans and a fleet of advanced German microtunnelling machines (including the AVN 800 and AVN 1200), Unibor delivers high-precision pipeline installations with minimal surface disruption.

Our "Zero Harm" policy ensures strict adherence to the Dubai OSHMS standards and RTA HSE requirements, making us the partner of choice for the region's most demanding utility, sewage, and drainage projects.

With a leadership framework designed for efficiency, we prioritise swift resource mobilisation, timely execution, and a rigorous quality assurance regime that aligns with global industry best practices.

REDEFINING UNDERGROUND INFRASTRUCTURE

PRECISION
Achieving ±10 mm accuracy on drives over 300 m.

INNOVATION
Powered by Herrenknecht AVN series tunnelling technology.

SUSTAINABILITY
No surface excavation required, ensuring minimal disruption.

EXCELLENCE
Led by a PhD tunnelling engineer with 30+ years' global expertise.



Our GENERAL MANAGER



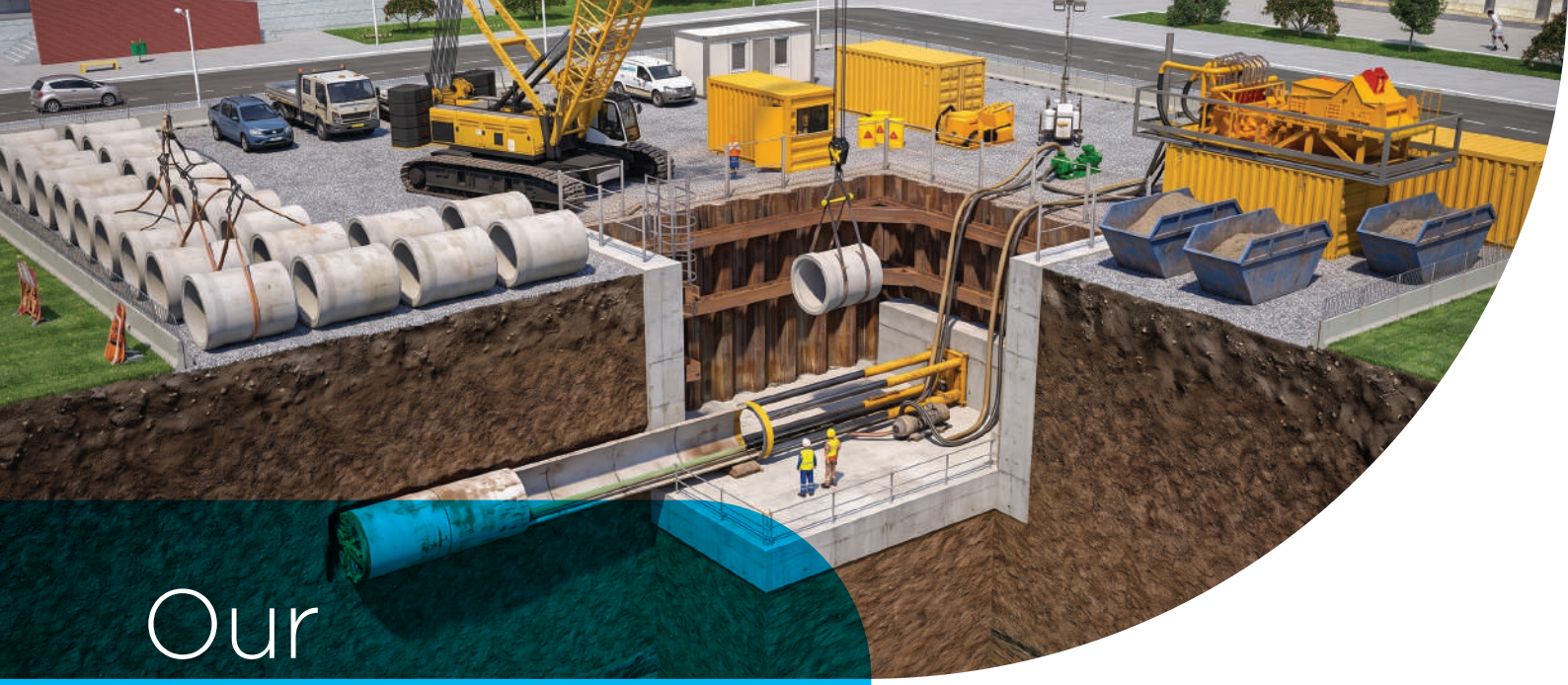
As General Manager of Unibor Tunneling & Contracting, Dr. Tamer Al Hafez brings more than 35 years of international expertise in tunnelling and underground infrastructure projects.

A Civil Engineering graduate from Damascus University in 1984, Dr. Tamer later earned his PhD in Soil-Structure Interaction, focused on the Channel Tunnel, from École Centrale Paris in 1997.

Throughout his distinguished career, he has successfully contributed to some of the world's most technically demanding projects, including the Dubai Municipality Storm Water Tunnel and other NDRC developments, the Palm Jumeirah subsea tunnels for Nakheel, the East Side Access Tunnels in New York City, and the Channel Tunnel in France.

His extensive experience spans stormwater tunnelling, microtunnelling, open-cut works, and complex underground engineering solutions.

Under Dr. Tamer's leadership, Unibor Tunneling & Contracting remains committed to delivering innovative, reliable, and high-quality tunnelling solutions that support the region's growing infrastructure needs.



Our SERVICES

We offer end-to-end microtunnelling services tailored to the unique geological conditions of the UAE, from hard rock to high-water-table coastal sands.

COMPREHENSIVE TRENCHLESS SOLUTIONS

MICROTUNNELLING & PIPE JACKING
Remote-controlled, laser-guided systems for installing pipes (RCP, GRP, Steel) ranging from 800mm to 3000mm in internal diameter.

ROAD & HIGHWAY CROSSINGS
Specialist crossings under roads, highways and airport runways.

UTILITY CROSSINGS
Creating protected pathways for water, sewer, telecom, power cable ducts.

HORIZONTAL DIRECTIONAL DRILLING (HDD)
Surface-launched utility pipelines installed via precision curved paths.

GEOTECHNICAL CONSULTANCY
Specialised ground condition analysis for complex urban and soft-ground environments.

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Our EQUIPMENT

At Unibor, we invest in world-class machinery to ensure zero downtime and maximum efficiency. Our fleet includes specialised equipment capable of navigating the UAE's diverse soil profiles.

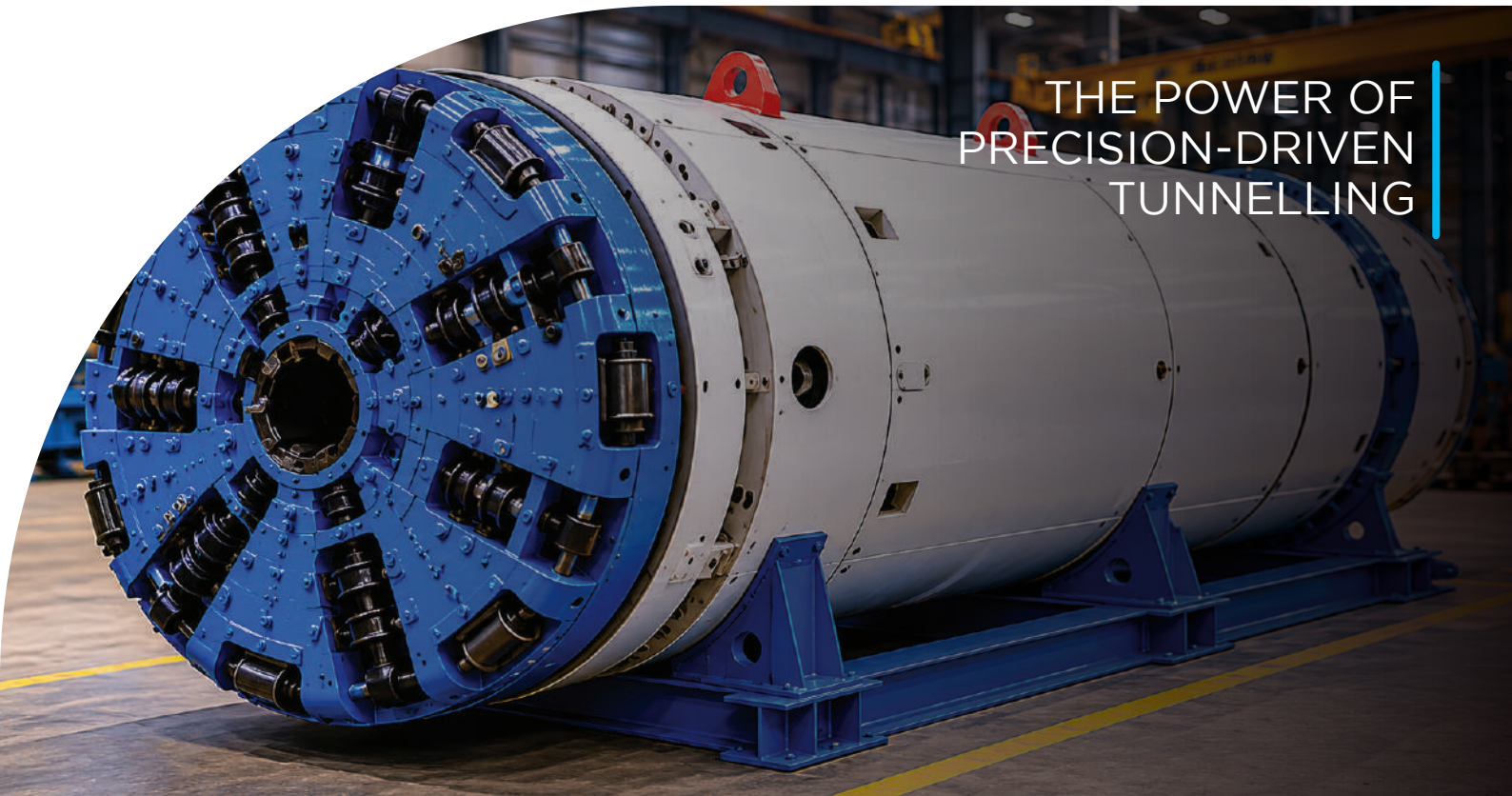
MICRO TUNNEL BORING MACHINES
Advanced slurry-shield systems from Herrenknecht (Germany).

CONTROL CONTAINERS
Fully computerised, climate-controlled cabins with real-time laser guidance and slurry pressure monitoring.

SLURRY SEPARATION PLANTS
High-capacity recycling systems minimising water waste and ensuring eco-friendly disposal.

HYDRAULIC JACKING STATIONS
High-tonnage units capable of driving pipes through even the most resistant soil conditions.

ANCILLARY FLEET
Heavy-duty cranes, bentonite lubrication pumps, and high-pressure jetting units.



WHY CHOOSE **US?**

THE UNIBOR ADVANTAGE

01

LOCAL EXPERTISE

Deep understanding of UAE soil mechanics and regulations (ADDC, DEWA, RTA, Dubai Municipality and Trakhees).

02

NEW WORLD-CLASS MACHINES

Brand-new Herrenknecht AVN machines. Elite German engineering, zero operational hours.

03

EXPERIENCED LEADERSHIP

Led by an École Centrale Paris PhD tunnel engineer with international project expertise.

04

SAFETY FIRST

Our "Zero Harm" policy ensures full compliance with RTA HSE equirements, Dubai OSHMS standards.

05

TURNKEY DELIVERY

From feasibility studies and shaft design to final pipeline testing and commissioning.



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TUNNELING & CONTRACTING

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