

Your solution provider

Training & Controls



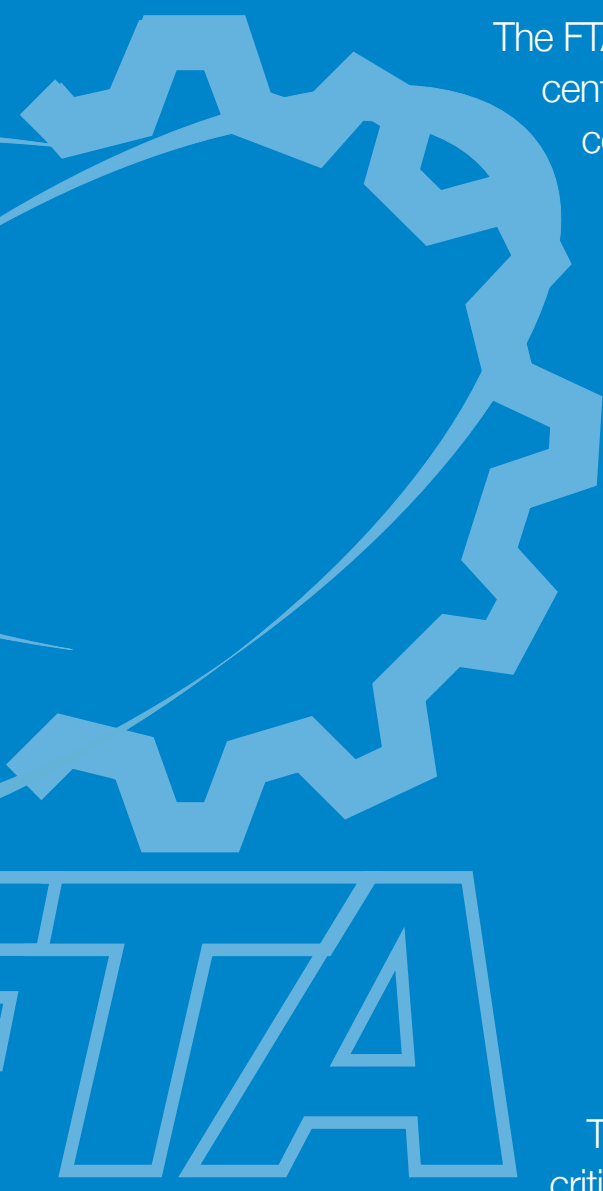
We focus on people and believe success starts with learning.

Our strong network of international instructors, consultants and industry experts delivers an extensive range of training courses worldwide.

We create collaboration spaces to train, encourage and develop.

- **FTA**
Foundations Technology Academy
- **DMS**
Drilling Mate System
- **DME**
Drilling Mate experience

FOUNDATIONS TECHNOLOGY ACADEMY



The FTA was founded in 2006 as an international training center for civil engineers, project managers and construction professionals.

We offer specialist training programs to foster and transfer knowledge across geotechnical projects, as well as training on skills such as project and fleet management.

FTA training courses are available in different formats to ensure accessibility and ease of use:

- **classroom teaching**
- **e-learning**
- **field practical training**
- **simulation training**
- **tutoring**

FTA designs custom training solutions to address challenges relating to underground structures, geotechnics and environmental aspects, as well as drilling systems and products.

Our courses are goal-directed and upward-leading and provide a solid understanding of the current best practice methodology.

Teaching with case studies cultivates the capacity for critical analysis and decision-making, while considering industry and social context.

The learning is delivered through an interactive and cooperative environment to help ensure effective learning, practical application and immediate improvement in the workplace.

INNOVATION IN ONE'S OWN BUSINESS

FTA training packages are completely tailored to students learning needs and preferences:

- site managers and field engineers
- operators and drilling crew
- mechanics, hydraulics technicians and fitters
- electricians and software engineers
- equipment managers

Our training programs are built around specific learning to be cost-effective and time-efficient:

- latest technology trends and quality assurance methods
- new drilling equipment and services
- advanced maintenance and troubleshooting techniques
- jobsite procedures and operations safety



DRILLING MATE EXPERIENCE



The Soilmec SR Rigs Simulator

Training courses with DME simulator enhance technical skills of participants and hands-on experience in Kelly and CFA drilling through the use of VR technology. DME allows operators and tech personnel to gain knowledge of the Soilmec rigs behaviour and related drilling and equipment handling processes before facing real-world situations.

DME features a 3 degree of freedom (3DOF) motion system, as well as superior jobsite graphics and animation with best sound effects for a complete “on-board” experience. Thanks to the simulator software, **every phase of drilling is reproduced in an extremely realistic way**, allowing students to improve their operator skills and ability in a totally safe environment. The learner is taught how to perform drilling tasks and activities in various real-world scenarios so they will be better prepared for daily challenges.

From simulation to operation, **DME utilizes a fully-equipped Soilmec Blue Tech cab** and controls to provide operators with an effective learning environment to improve and enhance their knowledge of the current drilling systems. **DME training is assisted by FTA tutors to simulate and track the appropriate sequence-of-operation and validate actions.**

Students follow tested and approved operating cycles through virtual simulation to ensure quality and relevance of learning. Knowing how the rig will respond to the operator actions in simulation mode, provides invaluable insights and reliability during actual operations to reduce rig-up and commissioning times, minimize failures due to operator errors, optimize alarm management and increase drilling efficiency.

DME helps to develop competency, confidence and increase knowledge of operations staff for better, safer and more sustainable drilling performance. The use of simulation software reveals a vital link between drilling technology, innovation and sustainability moving forward.

DME estimates show 1.700 € of fuel saved and 2.2 t of eq. CO₂ reduction against using actual drilling equipment during standard 5-day operator course, ensuring that sustainability is a key part of your business strategy and operation.

DMS DRILLING MATE SYSTEM

Electronic system for drilling equipment control, production supervision and fleet management developed and owned by Soilmec since the late '90s.

DMS

DMS product suite

Integrated solution embracing smart technology to optimise the use of machinery and increase efficiency on job sites. Soilmec DMS helps to gain unique insights into ground engineering and piling business by collecting, analysing and managing the most relevant information from the drilling equipment. The system is intended to support construction companies in daily operations and business processes by improving decision making and leveraging the potential of data analytics.

DMS ON BOARD

Built-in instrumentation for equipment supervision and performance control.

DMS PC

Licensed software for machine and production data processing and reporting.

DMS MANAGER 4.0

Cloud app for asset, fleet and site management