

SAIPEM PIPELINE TECHNOLOGIES



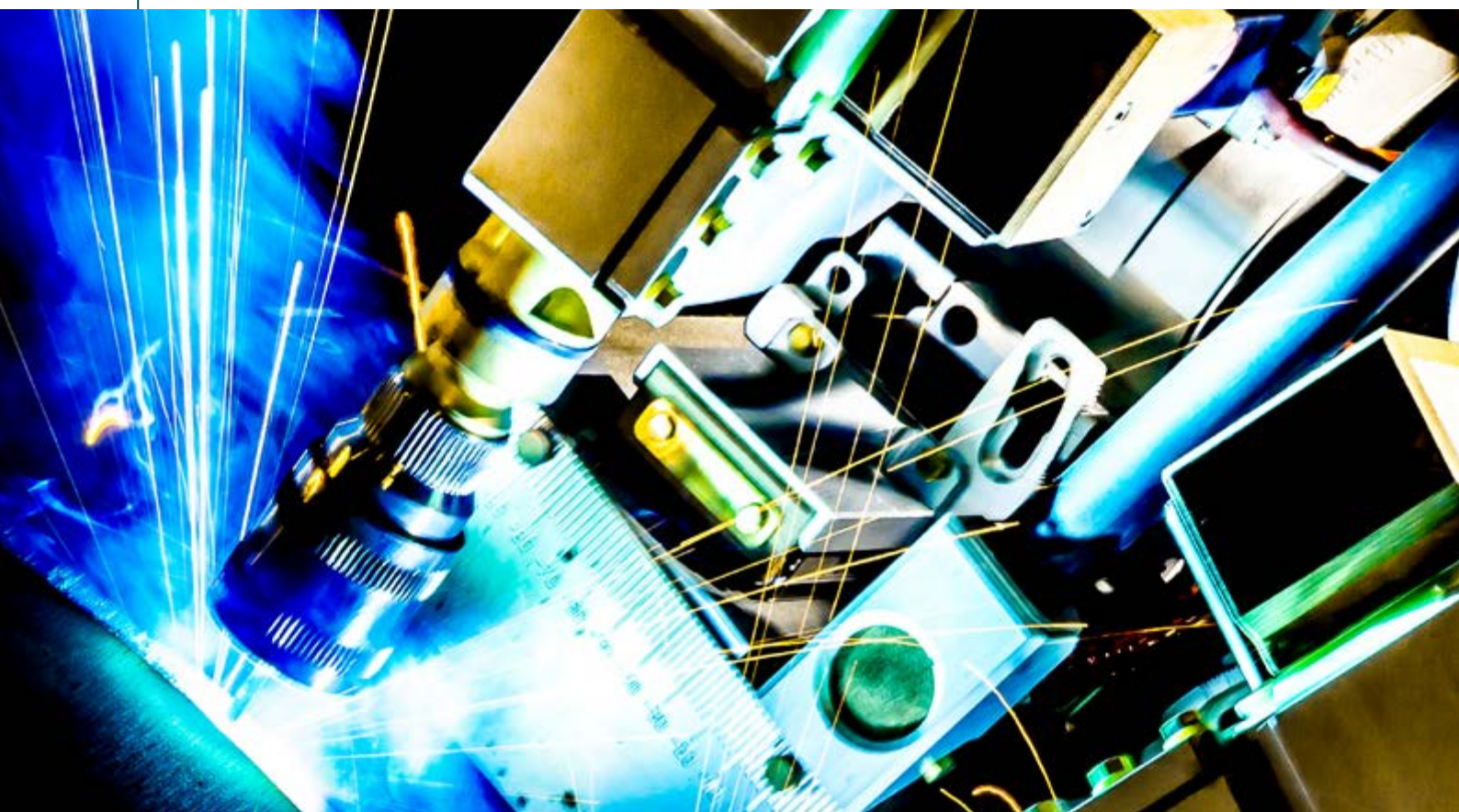
SAIPEM

WHY CHOOSE US?

TRACK RECORD
EXCLUSIVE "IN-HOUSE" EQUIPMENT

KNOW-HOW
CUSTOMIZED TECHNICAL SOLUTIONS

INNOVATION
CORE TEAM OF SKILLED PERSONNEL



OVERVIEW

Saipem is one of the world leaders in Engineering, Procurement, Construction and Installation of pipelines and complex projects in the Oil & Gas market. Saipem Pipeline Technologies provides end to end services for execution of Welding, NDT and Field Joint Coating.

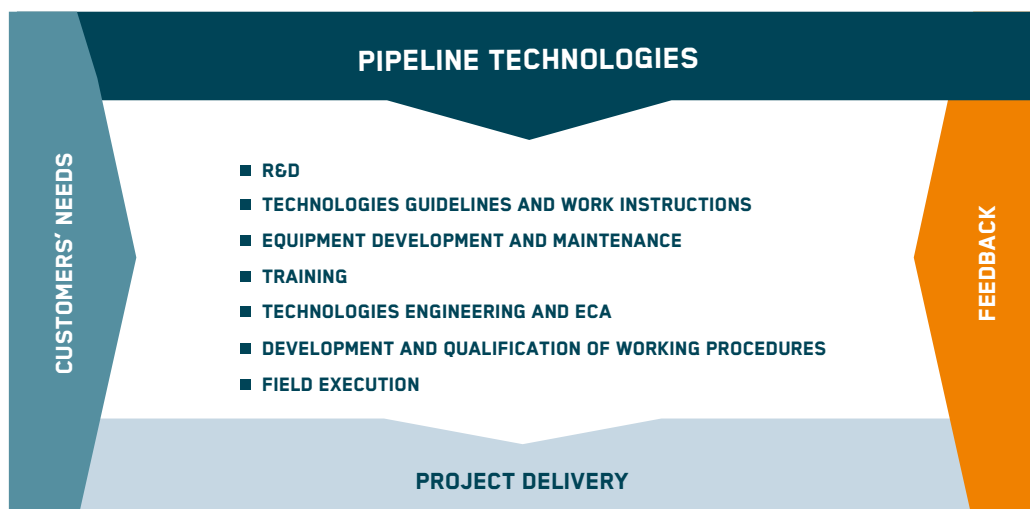
OUR ROLE

We are leaders in Pipeline Technologies, specialized in Welding, NDT, and Field Joint Coating, and we are committed to continuous innovation and cultivation of expertise. Our primary goal is to consistently deliver the highest level of performance.

OUR COMMITMENT TO EXCELLENCE

We are committed to meet and exceed Clients requirements across project schedules, HSE, technical precision, and quality performance. Our approach centers on providing "Fit for Purpose" technical solutions, marked by:

- Using cutting-edge in-house technologies that outpace current industry standards Capitalizing on 50 years of core competencies
- Drawing upon 50 years of expertise and experience, continuously enhancing our
- Ensuring comprehensive turnkey solutions, from engineering to on-site execution
- Constantly seeking innovation to meet evolving Clients needs



PT IN NUMBERS

1957

FOUNDATION

60+

COUNTRIES

90K+

KM OF LAID
PIPELINES

200K

WELDS/YEAR

PEOPLE

We have the strong belief that collaboration makes the difference and lead to excellence. Our unique blend of young and experienced individuals includes engineers, University graduates, PhD's as well as highly qualified operative

professionals. This team permits the PT group to develop and implement on the field, technical solutions tailored to Customers' needs and to the specific working environment.



FOCUS ON SOLUTION



COMPETENCES



SUSTAINABILITY

**PIPELINE TECHNOLOGIES
ACADEMY (PTA)**
**IS THE PERMANENT TRAINING
CENTER DEDICATED TO
PIPELINE TECHNOLOGIES**



PEOPLE IN NUMBERS

1200

PROFESSIONALS

200+

RESOURCES CERTIFIED
WELDING ENGINEER/ ISO
9712 / NACE

500+

GRADUATES/SENIOR
EXPERTS

100K+

TRAINING
HOURS/YEAR



TECHNOLOGIES

We offer in-house developed technology applications, fully customized to customer needs, with the highest safety standards. The numerous R&D programs lead to patented proprietary technologies, able to guarantee the best-in-class performance

for offshore and onshore applications. The return of experience is capitalized through internal maintenance services and the engineering team able to guarantee a continuous improvement of the equipment during its lifecycle.



DIGITALIZATION



RELIABILITY



CUSTOMIZATION

TECHNOLOGIES IN NUMBERS

35

PATENTES

3.5M

EQUIPMENT
WORKING HOURS

600

EQUIPMENT IN
USE / MONTH

10M

EURO + YEARLY RD
INVESTMENT



PIPELINE TECHNOLOGIES CENTER (PTC)

THE HEADQUARTERS

In an area of 51000 m2 located in the West Park Industrial area of Ploiesti 50 km NW of Bucharest, the Pipeline Technologies Center brings together more than 300 researchers, experts and technologists in a unique, state-of-the-art facility. They have access to platforms fitted with equipment for exploring new applications and

developing competitive technologies. The architecture and layout of the premises have been designed to host meetings, to ensure crossfertilization and encourage interdisciplinary dialogue. The Center strengthens the Saipem's open innovation approach and accelerates the development of new solutions.

THE PIPELINE TECHNOLOGIES CENTER IS THE HEADQUARTERS AND THE "BEATING HEART" OF PIPELINE TECHNOLOGIES AND IT IS DESIGNED TO ACCOMPLISH THE FOLLOWING ACTIVITIES:

- Research and Development
- Development, Maintenance and commissioning of technologies and Equipment
- Training
- Mechanical and Fatigue Testing
- Development and qualification of working procedures
- Real-time production monitoring and supervision of Field operations



TECHNOLOGY SPOTLIGHTS

Some of our most outstanding Welding, NDT and Field Joint Coating technologies are:

WELDING TECHNOLOGY FOR CLAD-LINED PIPES

PLASMA REMELTING INTERNAL TECHNOLOGY (SPRINT)

A proprietary, game-changing technology to internally re-melt the root pass guaranteeing the integrity of the CRA layer inside the pipe. SPRINT enable the first 36-inch CLAD pipe ever installed offshore. economic, financial and legal advisory services as well being part of the project implementation.

ADVANCED ULTRASONIC INSPECTION

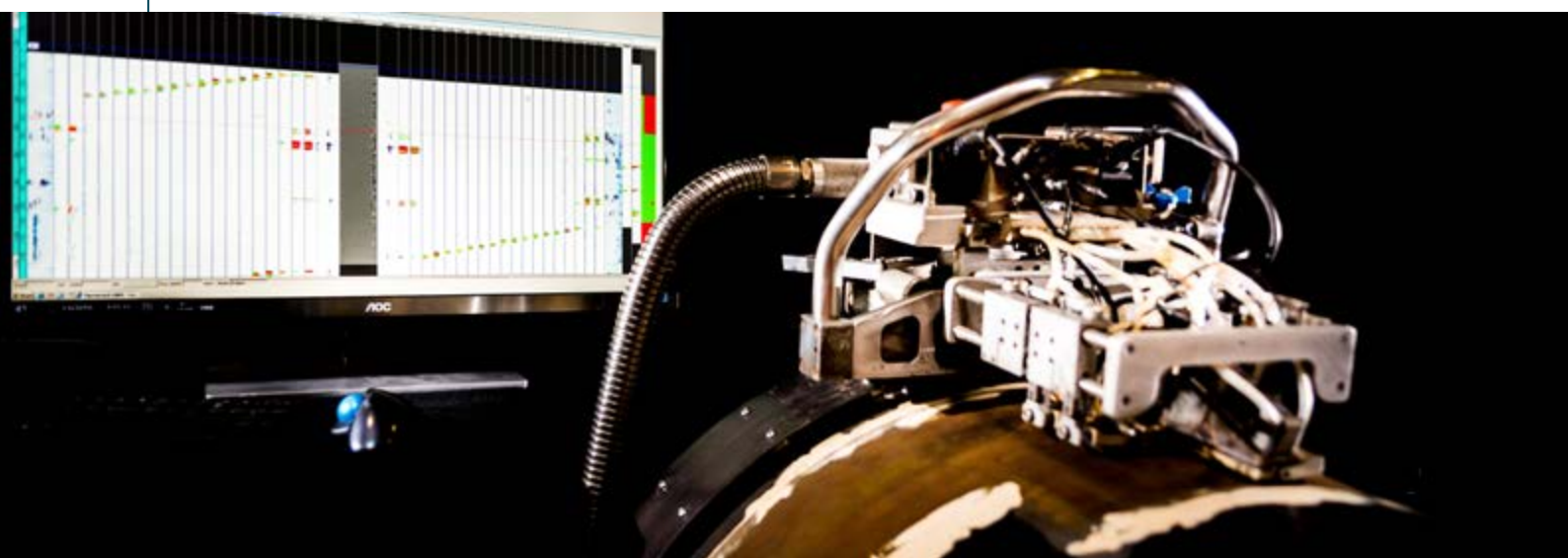
FULLY-INTEGRATED DISCRIMINATION APPROACH (SONUS)

A proprietary technology for the inspection of bi-metallic welds through a unique combination of different and specific ultrasonic principles. The technology enables the inspection of the entire weld volume, including the root area, and the application of fit-for-purpose acceptance criteria.

FJC TECHNOLOGY FOR APPLICATION OF COATING ON INTERNAL SURFACE OF PIPELINE WELDS

SAIPEM INTERNAL COATING ROBOT (SINCRO)

Internal anticorrosion coating is mandatory when the product transported into the pipeline is characterized by high H₂S content or excessive salinity, with the risk of major pipeline failures due to internal corrosion. SINCRO is compatible with any kind of liquid epoxy product that could protect the pipelines. The system consists of an autonomous vehicle remotely operated. The system applies the coating over the internal surface of girth weld. Process monitoring is guaranteed by the use of cameras and sensors.





SAIPEM SpA
Via Luigi Russolo, 5
20138 Milan
Italy

SAIPEM.COM

LET'S KEEP IN TOUCH

