



**TECNIMONT
SERVICES**

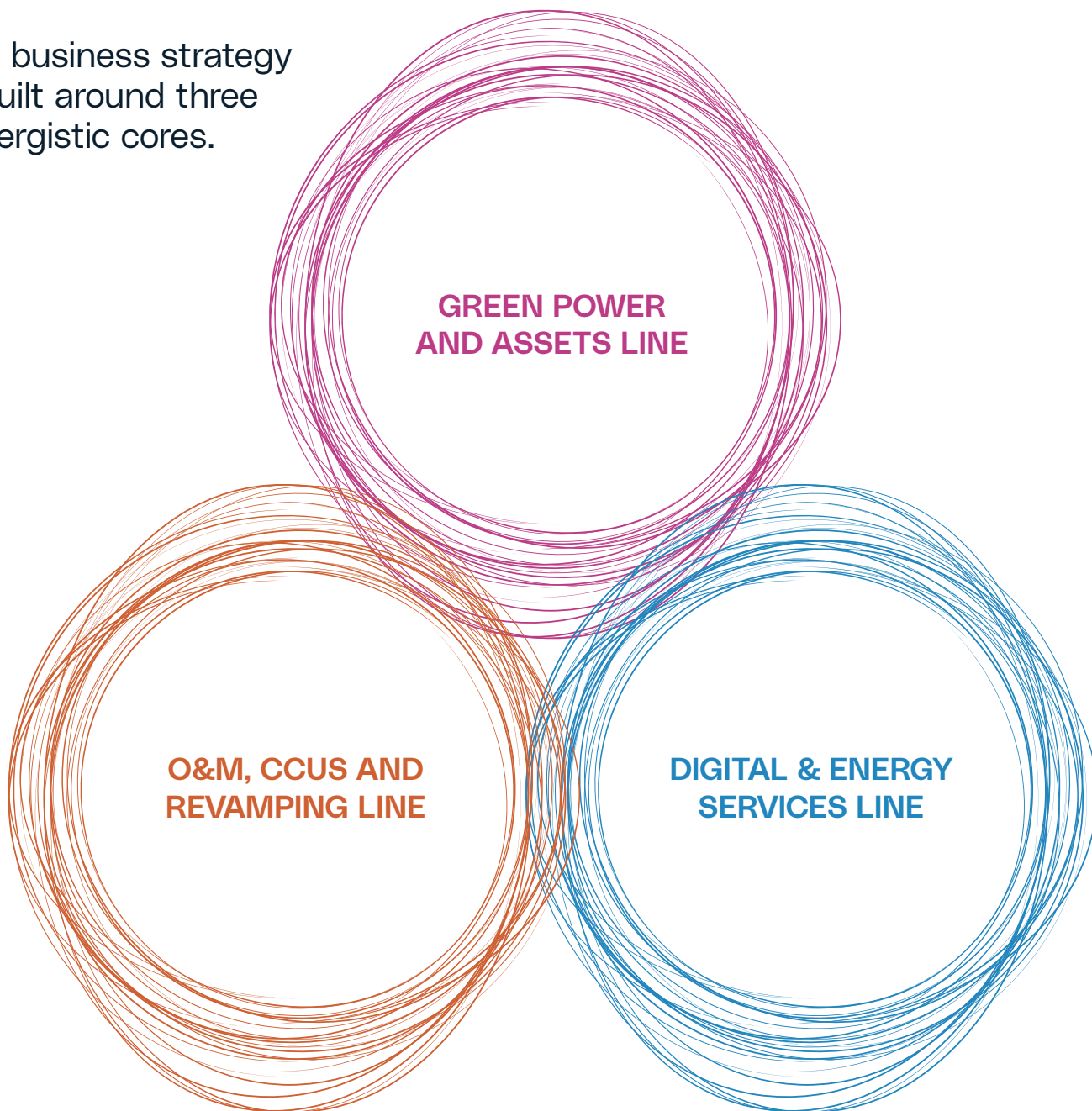
MAIRE Integrated E&C Solutions

O&M, CCUS AND REVAMPING

Tecnimont Services is one of the key players within MAIRE group's Integrated E&C Solutions, focused on championing the Group's decarbonization and energy transition initiatives.

Our mission is to empower the industry to achieve its sustainability, environmental and governance goals, driving forward a cleaner and more sustainable future.

Our business strategy
is built around three
synergistic cores.



We lead in achieving strategic targets on existing plants (Revamping and CCUS) and ensuring continuous, efficient operation of the installation, providing **“Production and Maintenance”** services (Operation and Maintenance). Our expertise includes:

**CUSTOMIZED
ENGINEERING AND
CONSTRUCTION SOLUTIONS**

We design and execute Revamping and CCUS projects (on-site approach maximising local content and site presence).

FIT FOR PURPOSE APPROACH

We apply flexible and fast approach tailored on the specific issues.

**SYSTEMATIC MAINTENANCE
APPROACH**

We offer comprehensive solutions in maintenance engineering and training, operations and maintenance, tailored to client needs.

**GLOBAL EPC REVAMPING -
OPERATION & MAINTENANCE
PROVIDER**

We position MAIRE as a unique global provider of EPC for Revamping and CCUS, maintenance engineering, O&M services, ensuring safe, efficient operations and profitable modifications of client assets.

Given the economic landscape, investments in new petrochemical and oil & gas plants are declining, prompting owners to **improve existing facilities**.

Our offering for **Revamping, Carbon Capture Utilization and Storage** solutions includes:

Extended Plant Life and
Modernized Processes

Reduced Emissions

Increased Production Flexibility
and Efficiency

Enhanced Goods Quality

Compliance with New Safety
Standards

We are an **Operation and Maintenance specialized company** capable to achieve reliable production targets earlier than “standard” EPC contractors.

As production is the priority, it is important to ensure the **safe and efficient O&M** of client’s assets to guarantee the following benefits:

Reduction of operating costs

Better Return of Investment

Preservation of Plants values

Re start up

Facility Management

HSE improvement

In a world focusing on efficiency and sustainability, our revamping, CCUS and O&M services are essential for optimizing and future-proofing client operations.

Our strategy centers around a **lean and agile methodology**, driven by a focus on ROI and dynamic, purpose-built technical solutions.



ROI-DRIVEN PHILOSOPHY

Our dynamic design and engineering team delivers solutions tailored to specific needs, ensuring maximum return on investment.



TIME-EFFICIENT EXECUTION

We operate with a “Light & Fast” approach, minimizing production disruptions and implementing temporary solutions as necessary.



STREAMLINED PROCUREMENT

We have a dedicated team for swift procurement of equipment and materials, ensuring efficiency in revamping projects.



LOCAL TECHNICAL UNITS

Our local units provide rapid, on-site technical and operational support to clients, ensuring quick and effective service.

Our approach ensures efficient, effective and cutting-edge solutions tailored to our clients' needs, **enhancing both performance and profitability** with utmost focus on safety, environment and quality.



STRATEGIC PARTNERSHIPS

Through agreements with international vendors and local partners, we ensure comprehensive coverage of all phases in engineering, procurement, and construction.



COLLABORATIVE SOLUTIONS

We work closely with customers to achieve optimal operational efficiency and reduced operational expenses (OPEX).



FACILITY DIGITALIZATION

Using Asset Digital Twin technology, we create a virtual replica of physical assets to optimize business performance.



3D MODEL DEVELOPMENT

We develop accurate 3D as-built models of existing facilities using high-definition laser scanning, integrating detailed plant data.

Our maintenance engineering services are designed to **preserve the value of assets throughout their lifecycle**, from FEED to plant dismantling. We ensure high reliability, availability and production **while maintaining top-tier HSE standards**.



Tecnimont Services offers a complete range of maintenance solutions, including:



PLANT MAINTENANCE
GLOBAL SERVICE



ASSET INTEGRITY
MANAGEMENT



MAINTENANCE ENGINEERING
SERVICES & STUDIES



POLICY DEVELOPMENT



CMMS DESIGN
AND IMPLEMENTATION



RAM AND RCM ANALYSIS



FMEA AND FMECA ANALYSIS



RBI STUDY



MAINTAINABILITY STUDIES



PREVENTIVE MAINTENANCE
OPTIMIZATION (PMO)



Our integrated Digital Approach services utilize advanced **digital tools** to optimize every phase of EPC and O&M projects.

**EPC PERSONNEL
PRODUCTIVITY**

Boosting efficiency with digital solutions.

**3D MODELING
& ENGINEERING DATA**

Accurate models and comprehensive data management.

ASSET DIGITAL TWIN

Virtual replicas for optimized performance and predictive maintenance.

DOCUMENT MANAGEMENT

Streamlined control and access.

OPTIMIZED PLANT PRODUCTIVITY



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- **Process Optimization Engine**
Analyzing and simulating plant data for improvements.

 - **Predictive Maintenance Suite**
Preventing failures in static and rotating equipment.

 - **CMMS**
Efficient maintenance from planning to material management.

 - **Connected Field Operations**
Enhancing operations with digital HSSE platforms and field force tools.

ADVANCED TRAINING SOLUTIONS

- **VR Digital Training**
Immersive training experiences.
- **Operator Training Simulator (OTS)** Realistic training for operators.



REVAMPING & O&M

- **Predictive Maintenance**
Early fault detection and prevention.
- **Process Optimizer Engine**
Continuous improvements from real-time data.
- **Digital Products**
Enhanced plant productivity through optimized maintenance and processes.



TECNIMONT SERVICES

MAIRE Integrated E&C Solutions



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MORE!*

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Tecnimont Services

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