



Projects Business Unit Services & Solutions

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ABOUT US

We are a technology company with 45 years of know-how and experience in the Design and Development of Control & Monitoring Solutions for the energy sector.

EXPERIENCE

45+ years

EXPERTISE

4+
industries

MARKET SYNERGIES

25+
countries





Our MISSION

“We create reliable and innovative technology products and solutions that enable Energy producers and consumers to meet the operational and environmental challenges of the energy transition.”

Our VISION

To play a leading role in the technological transformation of the Energy Sector



THE MARKETS WE SERVE

- ☐ Marine
- ☐ Oil & Gas
- ☐ Heavy Industry
- ☐ Power Production

OUR SCOPE

01. ENGINEERING

Detailed Design
Application engineering
Etc.

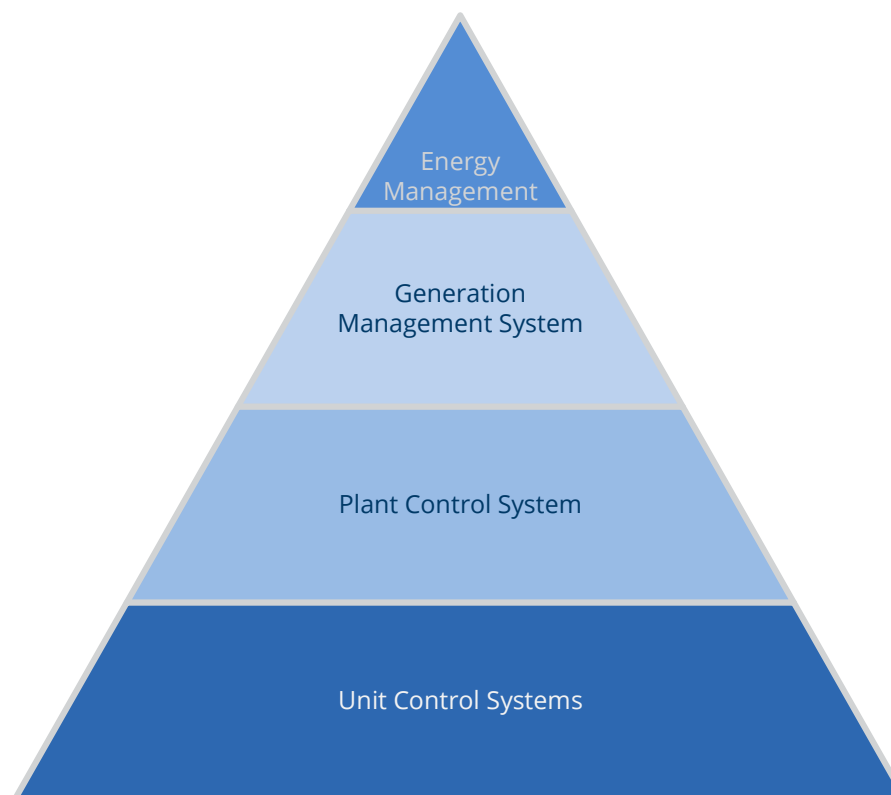
02. DEVELOPMENT

Application development
Customization

03. INSTALLATION / SUPERVISION

04. COMMISSIONING

Vertical integration offers a complete solution



Projects Business Unit Capabilities

Core Competencies

- **Turn-key Projects:** Comprehensive solutions in automation, protection, and control, tailored to meet specific client needs.
- **Engineering Services:** Includes conceptual design, pre-engineering, application development, and programming.
- **In-house Capabilities:** Full project lifecycle managed internally with no intermediaries or subcontractors:
 - **Panel Construction:** Custom-built to project specifications.
 - **Factory Acceptance Testing (FAT):** Ensuring systems meet all requirements before deployment.
 - **Onsite Installation & Commissioning:** Seamless integration and operational readiness of systems at client sites.



MARINE SECTOR SOLUTIONS

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MARINE SOLUTIONS

COMMERCIAL, YACHT AND MILITARY

We are the leading company in Marine Automation & Control Solutions in Greece, as well as in the wider Eastern Mediterranean markets.

Our company is recognized for its expertise in delivering comprehensive engineering services and innovative solutions designed to maximize vessel performance and ensure optimal efficiency.

- **Power management system and load sharing** upgrades ensuring seamless integration for efficient vessel performance.
- **Main and auxiliary engine protection and control systems** design and integration guaranteeing a safe and reliable operation.
- New and existing **engine protection and control systems** upgrades incorporating the latest technologies to enhance functionality and efficiency.
- **Upgrades and retrofits of auxiliary systems automation** enabling streamlined operations and increased productivity.
- Tailored and advanced **PLC-based and SCADA applications** providing comprehensive and real-time vessel status information.
- **Inspection and onsite testing services** (OMD, Woodward) ensuring their proper functioning and reliability.
- Vessel **energy efficiency solutions** implementing variable frequency converters for significant energy savings and cost reduction in major consumers (e.g. fans, pumps, etc.)



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OIL & GAS SECTOR SOLUTIONS

POWER, OIL & GAS AND HEAVY INDUSTRY

OIL & GAS

We are a leading company in developing Advanced Control Solutions for Engine and Turbine Installations in Power, Oil & Gas, and Heavy Industry sectors.

Our expertise lies in designing and implementing state-of-the-art OEM Approved Unit Control Systems that ensure optimal performance and efficiency and comprehensive Power Plant Management Solutions.

- **Gas turbines control systems** upgrade enhancing performance and monitoring
- **Steam turbine controls and SCADA** upgrade for regulation and efficiency optimization
- Gas turbine **excitation system revamp** enhancing stability and power generation capabilities
- **Emergency generators' control systems** upgrade for reliable backup power
- **Pumps control systems** upgrade for efficient fluid flow management
- **Compressor control systems** upgrade for improved performance and energy utilization
- **Compressor load sharing algorithms** for seamless workload distribution for enhanced system performance
- **Integrated automation, protection, and control solutions** for critical processes
- Tailored and advanced **PLC and SCADA applications** for optimized industrial performance



POWER SECTOR SOLUTIONS

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POWER, OIL & GAS AND HEAVY INDUSTRY

POWER GENERATION

MAS is recognized for the Engineering Excellence and for the long-standing expertise in undertaking complex Turn-Key Projects complex turn-key projects across different energy sectors such as:

- **Power management system and SCADA upgrades** in thermal power plants & generators enhancing the efficiency and productivity.
- Customized **control & protection solutions** in OEM engines, turbines, and compressors ensuring optimal performance, safety, and reliability.
- **Energy management system (EMS)** installations in hybrid power stations to regulate and optimize energy consumption.
- Integrated solutions for **Battery Energy Storage systems BESS** for efficient energy storage and release.
- Implementation of **integrated automation, protection, and control solutions** in critical processes.
- **Remote control systems** for renewable energy power stations (hydro, wind) enabling centralized monitoring, control, and optimization of renewable energy generation processes.
- Delivery of advanced **PLC and SCADA applications** for real-time monitoring, control, and data acquisition.

Thank you

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