

ABOUT US

We are one of the few engineering companies in Europe specializing in the design, development and installation of Power Management, Control, Protection & Monitoring Solutions.

For over 45 years, we provide solutions for complex problems both in the Industry of Marine, as well as in the Industry on Land (Power, Oil & Gas and Heavy industry) which increase productivity, minimize downtime and extend the life time of the initial investment.

With an extensive know-how on the systems we provide, and internal capabilities that few companies possess, we are known for the quality of our work and our customer oriented approach.

Our manpower includes highly specialized degree engineers forming a team considered as one of the best in its field, while our flexible structure allows us to be equally efficient and competitive for simple customer requirements as well as for demanding projects.

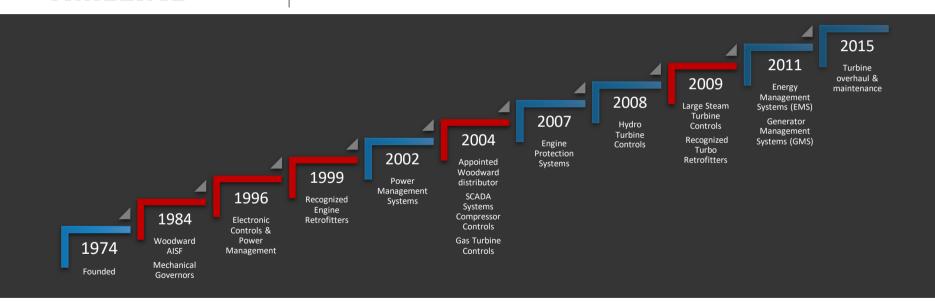
Quality and reliability are not just words for us, as strict procedures for ISO 9001, 14001, 18001 and 27001 are enforced. As a totally independent company, we are able to select leading manufacturers that provide us with the needed scope and ability to deliver the best techno-economically solutions for any technical challenge.

COMPANY PRESENTATION

COMPANY MISSION

"To be a key player in the 4th Industrial Revolution by offering reliable innovative & technologically advanced engineering solutions that help existing and new infrastructures meet tomorrow's operational and environmental challenges."

OUR HISTORICAL TIMELINE



Woodward relationship Milestones

MAS S.A. Historical Timeline

WHAT WE DO?

We help our clients increase their profit, by Increasing the lifetime, efficiency & safety of their infrastructure.

01. ENGINEERING

Detailed Design Application engineering Application development Etc.

02. PROCUREMENT

Machine Instrumentation Unit Control Systems Control Room systems

03. INSTALLATION / SUPERVISION

04. COMMISSIONING



WHY CHOOSE US

With over 40 years of experience we always deliver what we promise.

- We offer field proven solutions for a wide range of processes in all markets we serve
- We design, develop and deliver latest technology control, protection and monitoring solutions
- We undertake technically demanding projects on a turn key basis
- We are always technologically ahead





THE MARKETS WE SERVE

MARINE

OIL & GAS

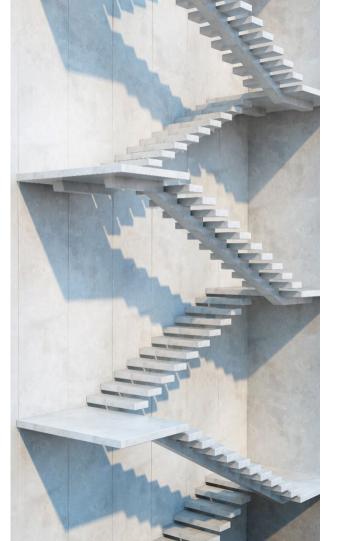
HEAVY INDUSTRY

POWER PRODUCTION

OUR STRUCTURE

5 departments serving **2 markets**

Heavy Industry
Marine



MECHANICAL WORKSHOP

Governor maintenance, valves, actuators etc.

AUTOMATION DEPARTMENT

Engine Control, protection & Supervision systems
Alternator controls & protection systems
Power / Energy Management systems
Compressor controls
Gas Turbine Control, protection & Supervision systems
Steam Turbine Control, protection & Supervision systems
Hydro Turbine Control, protection & Supervision systems
Hydro Turbine HMI systems
Maneuvering systems
Pitch control systems
Oil mist detection systems

SCADA DEPARTMENT

Alarm and monitoring systems

Generation Management Systems (GMS) Energy Management systems (EMS) Forecasting, scheduling & Dispatching systems

CONTRACTUAL PROJECT MANAGEMENT

Wide scope EPC or Turn-key project management with subcontracting activities

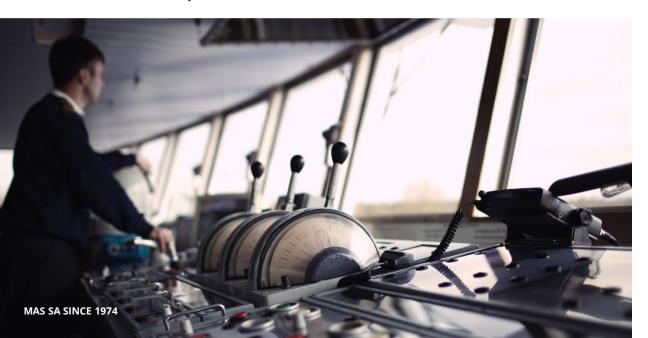
SALES DEPARTMENT

Pre-sales engineering, sale facilitation, post-sales support

OUR SERVICES

Marine

Commercial, Military, Yachts



PROPULSION CONTROL SYSTEMS

AUXILLARY SYSTEMS

ENGINE ROOM AUTOMATION

MANEUVERING SYSTEMS & BRIDGE CONTROLS

ALARM & MONITORING SYSTEMS

OUR SERVICES

Heavy Industry

Power Production, Oil & Gas, Heavy Industry





Gas Turbine Steam Turbines Hydro Turbines Engine



POWER MANAGEMENT SYSTEMS

Frequency & Voltage control
Load Sharing (active & reactive power)
Load Shedding
Demand & Load Management



COMPRESSOR CONTROL

Ant surge protection Load Sharing



HMI /SCADA SYSTEMS

Local HMI
Generation Management Systems (GMS)
Station / Plant control
Energy metering & clearance

OUR EXPERIENCE

Wind Farm Control & Monitoring systems



HMI systems

> 150

Heavy Industry Projects executed



Load Shedding systems

20

15



Plant wide SCADA systems

> 30 (1,500-16,000 IO / installation)



Wide area Energy Metering / Demand management

2



Grid Dispatching systems

6 (wind + Thermal energy mix control)



Other large scale Industrial Automation projects

4



Central Generation Management system

2 central system (>150,000 IOs)

OUR EXPERIENCE



Mechanical Governors

Countless



Complete Power Plant upgrades

27 x Thermal Plants 6 x Hydro Plants

Heavy Industry Projects executed



Control & Protection upgrades

> 250 engines 14 Steam Turbines 12 Gas turbines



Complete Back-up Power Plant upgrades

17



Complete Unit upgrades

12 x 4- stroke 11 x 2-stroke 4 x Gas Turbines 2 x Steam Turbines

OUR EXPERIENCE



Mechanical Governors

Countless



Maneuvering system, new installation & retrofitting

45 yachts up to 120m

Marine Projects executed



Governors upgrades

> 100 vessels



Engine's Oil Mist Detection system, new installation & retrofitting

> 40 vessels



Engine alarm & Monitoring system

8



Power Management System

> 20 vessels

OUR BUSINESS PARTNERS

WOOD WARD

Making your way in the world today takes everything you've got

MAS SA, is an official Woodward Channel Partner. In its capacity MAS SA is responsible for the commercial and technical representation of Woodward in a larger geographical area: Greece, Cyprus, Albania, Bosnia & Herzegovina, Bulgaria, Croatia, Kosovo, North Macedonia, Montenegro, Romania, Serbia, Slovenia, Turkey, Ukraine, Georgia, Russia, Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Moldova, Turkmenistan, Tajikistan, Uzbekistan.

MAS SA undertakes several responsibilities as Woodward Channel Partner:

- **Full Service Distributor**: maintain an extensive inventory of Woodward controls and spare parts, provide engineering, upgrades, applications, installation, retrofit, systems integration, parts, service, repair and field services to customers throughout their designated territories
 - Supervise and maintain business relations with sub-AISF's
- · AISF Authorized Independent Service Facility: sales of new controls, provide service and repairs within a territory
- ATC Authorized Training Center: offering approved training on Woodward products
- RTR Recognized Turbine Retrofitter: specialized in upgrades and retrofits of engine or turbine control systems using Woodward's innovative control, actuation, and valve technologies

MAS SA is an accredited technical and commercial Woodward Channel Partner.

OUR BUSINESS

PARTNERS

















CLIENT TESTIMONIAL

Feyzi Üçok

Head of Maintenance Department, Tupras Kırıkkale Refinery, Turkey

We call MAS's Field Service Engineers
"the Golden Boys". They will always solve
the problem, and they will do it in half the
time than the OEM would.



Leonidas Piakis

Operation Manager, PPC / DPAN, Greece

The after sales technical support provided by MAS is one of the best in the market and invaluable to our operations.



Victor Mavrogiannis

Sifnos Power Plant Manager, PPC / DPAN, Greece

It is was a great pleasure to have MAS working in our plant. The team was one of the most professional and effective technical teams that I have seen. These guys know what they are going.





TERRITORIES MAP

GREECE

CYPRUS

THE BALKANS

Albania, Bosnia & Herzegovina, Bulgaria, Croatia, Kosovo, North Macedonia, Montenegro, Romania, Serbia, Slovenia

TURKEY

ISRAEL

RUSSIA

CIS COUNTRIES

Armenia, Azerbaijan, Belarus, Kazakhstan, Kyrgyzstan, Moldova, Turkmenistan, Tajikistan, Uzhekistan

GEORGIA

UKRAINE



THANK YOU

MAS SA