



Metrology Services

Heavy Industry

METRICA
When it's a matter of trust



www.metrica-isv.gr

Services

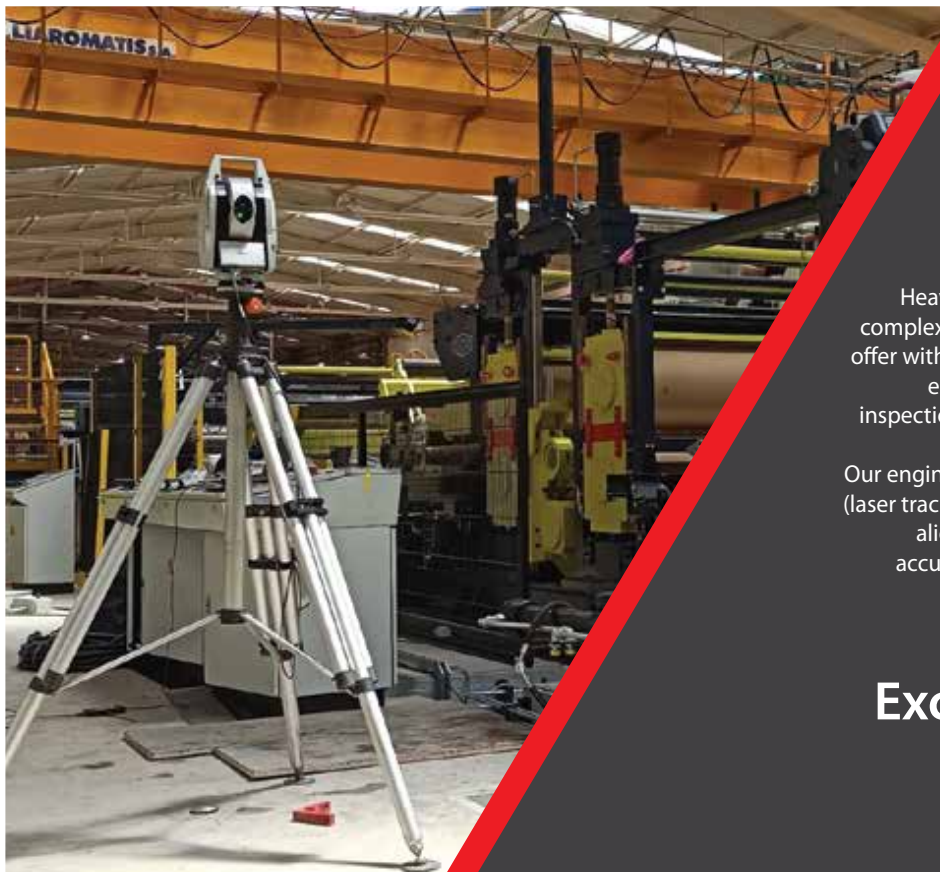
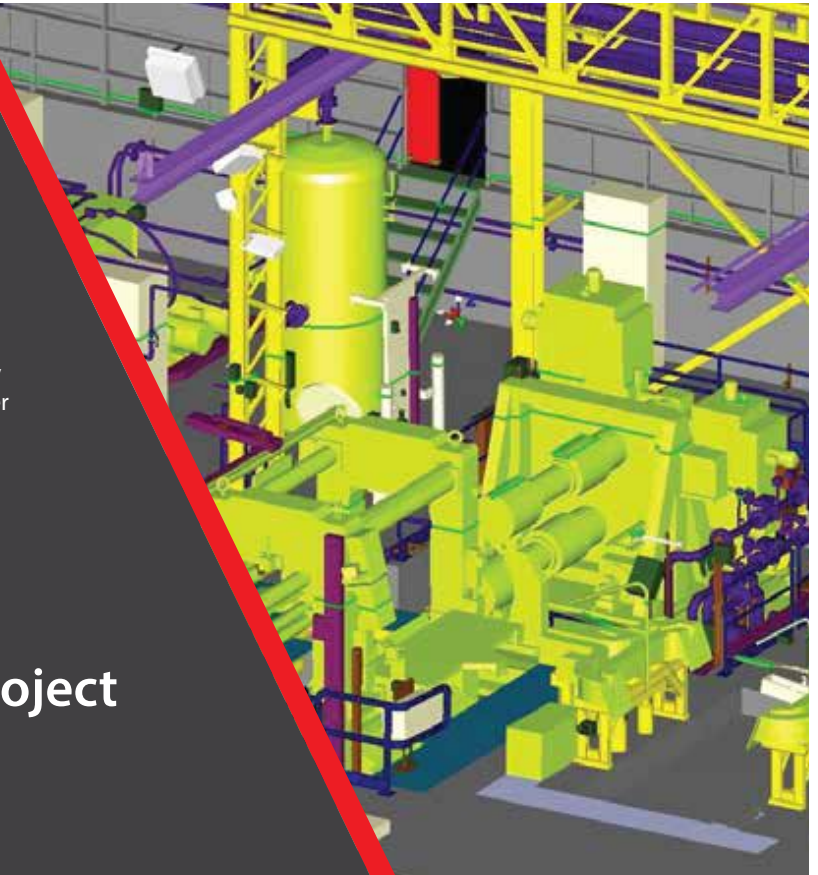
METRICA offers measurement services in almost any industrial application that includes alignment inspection or as-built documentation. Experienced engineers provide the optimum methodology for your specific measurement or combine multiple techniques to achieve the best result.

3D Scanning

We use the most advanced 3D metrology laser scanners with unsurpassed speed, accuracy, and range for demanding scanning projects.

Our experienced engineers capture the complexity of any piping and mechanical equipment no matter the harsh environment and time schedules. 3D scanning services include as-built 2D drawings and detailed 3D CAD and BIM models of any industrial facilities.

Smooth & Efficient Project Completion



Large Scale Metrology

Heavy industrial manufacturing features high complexity. The role of the metrology services we offer within the manufacturing process is associated with quality control - a post-production inspection of the dimensional measurements of a part against specifications. Our engineers use state-of-the-art instrumentation (laser tracker systems / industrial total stations / laser alignment systems) to provide up to micron accuracy for almost any industrial application.

Exceeding customer expectations

Applications vary, from 3D scanning & BIM to the geodetic support of almost any industrial assembly and the reporting of the consistency with prescribed tolerances.



Machine Alignment

Machinery precision alignment checks are necessary to assure reliable installation and smooth and efficient operation. METRICA is your trusted partner for providing precision alignment services and measurements for all types of machinery during installation, maintenance, and troubleshooting, including consultation support.

Industries: Energy, Wind power, Oil & gas, Engines and gearboxes, Pulp and paper, Process industry, Plastics, Automotive, Manufacturing industry, Marine applications.

Operational Excellence

Services

3D Scanning

As-built surveys for retrofit plant design: oil & gas, petrochemical, chemical, water, power, mineral and civil engineering projects
Design Drawings
Building Information Models (BIM)
Quality Control of fabricated parts and assemblies
3D Modeling and Reverse Engineering of production components
Mechanical and Pipe network design
Tank Volumetric Reports
Surveying of hazardous areas

Dimensional measurements & Quality control

Satellite Metrology
Composite Materials Inspection
Paper, Aluminum and Metal Production Lines Layout and Alignment
Roll alignment and levelling
Production Units Installation Support
Bridge Cranes Geometric Inspection and Installation Support
Tool fixture and jigs Calibration & Inspection (aeronautical, industry)
Milling machine/CNC calibration
Geometric Documentation
Deformation Monitoring
Turbine cell/bearing alignment inspection/correction
Stator and Motor Inspections
Military Sensors and Installation Support
Wind Energy Sector
Scientific Projects

Machine Alignment

Shaft alignment
Line bore measurements
Flatness inspection
Coupling Alignment
Geometric Alignment (Parallelism, Straightness, Squareness, Level, Flatness, Perpendicularity, Concentricity, Parallelism)
Horizontal and Vertical Alignment

Multibeam Surveys

Hydropower Plant Reservoir Surveys
Bathymetric Surveys for Pipe Inspection and Installation
Mine Pits Lake
Survey for Industrial Port Infrastructures
ROV Inspections for Underwater Infrastructures

Responsive, Innovative & Professional

We use state-of-the art metrology equipment

We work with experienced & well-trained engineers

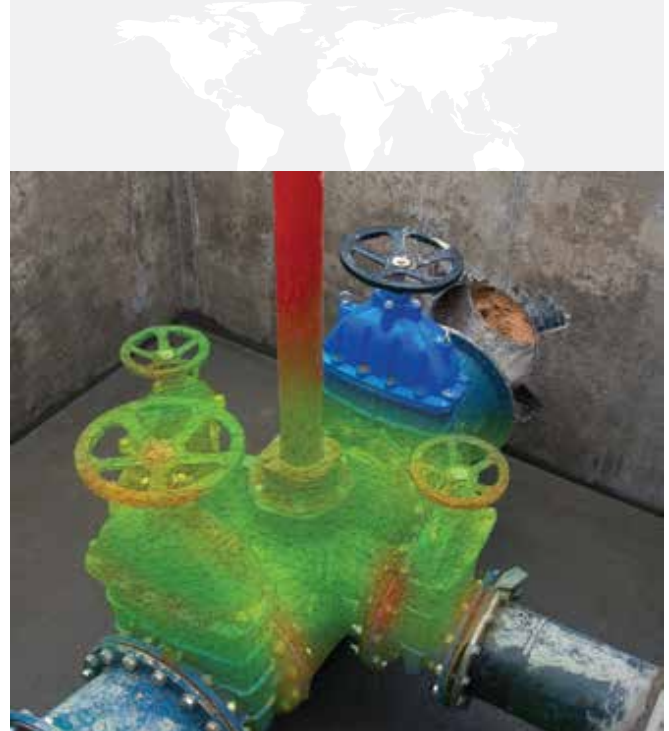
We care for the safety of our procedures and personnel

We offer customized solutions

We develop innovations - Research & Innovation Center

We offer a comprehensive customer support

We operate worldwide

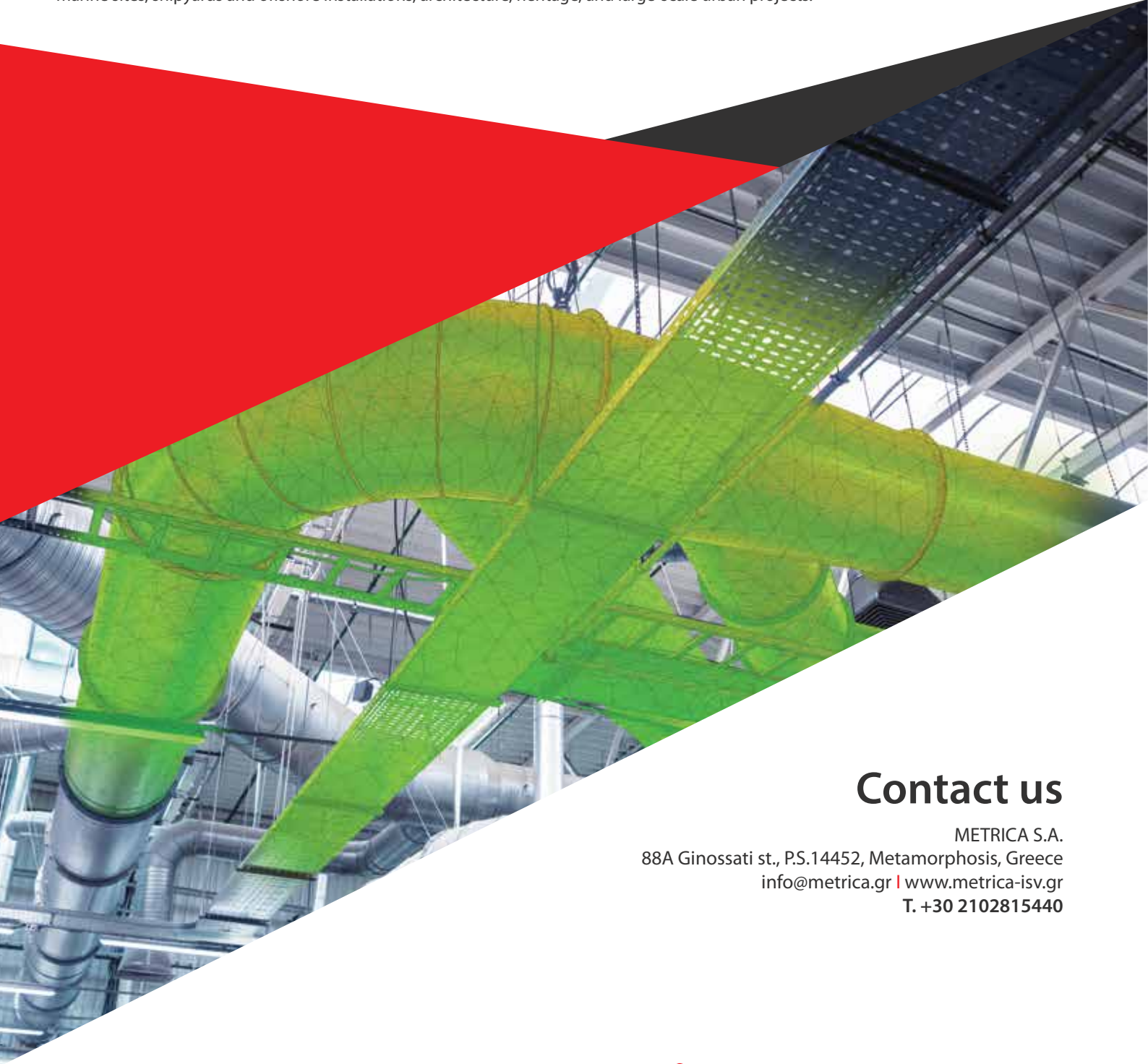


Who we are

METRICA S.A. is based on the knowledge and technical expertise of its personnel, that has been in the field for more than 20 years. From best-in-class surveying & environmental instruments to the broadest solution portfolio in the measurement world, METRICA S.A. is helping customers to understand, plan and implement solutions for simple, complex or unique applications related to Surveying, Heavy Industry, Shipping and the Environmental sector.

The team

We are a professional surveying team with a primary focus on 3D laser scanning and industrial metrology. Based in Athens, Greece, we operate **worldwide** with vast experience in a diverse range of applications. Our products and services are suitable for industrial and marine sites, shipyards and offshore installations, architecture, heritage, and large-scale urban projects.



Contact us

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We are certified with ISO 9001:2015 and Environmental ISO 14001:2015.
We guarantee the security and confidentiality of our client's data.