

**“ One Year
of Interviews in
One Day ”**

30/03/2020

RIKA

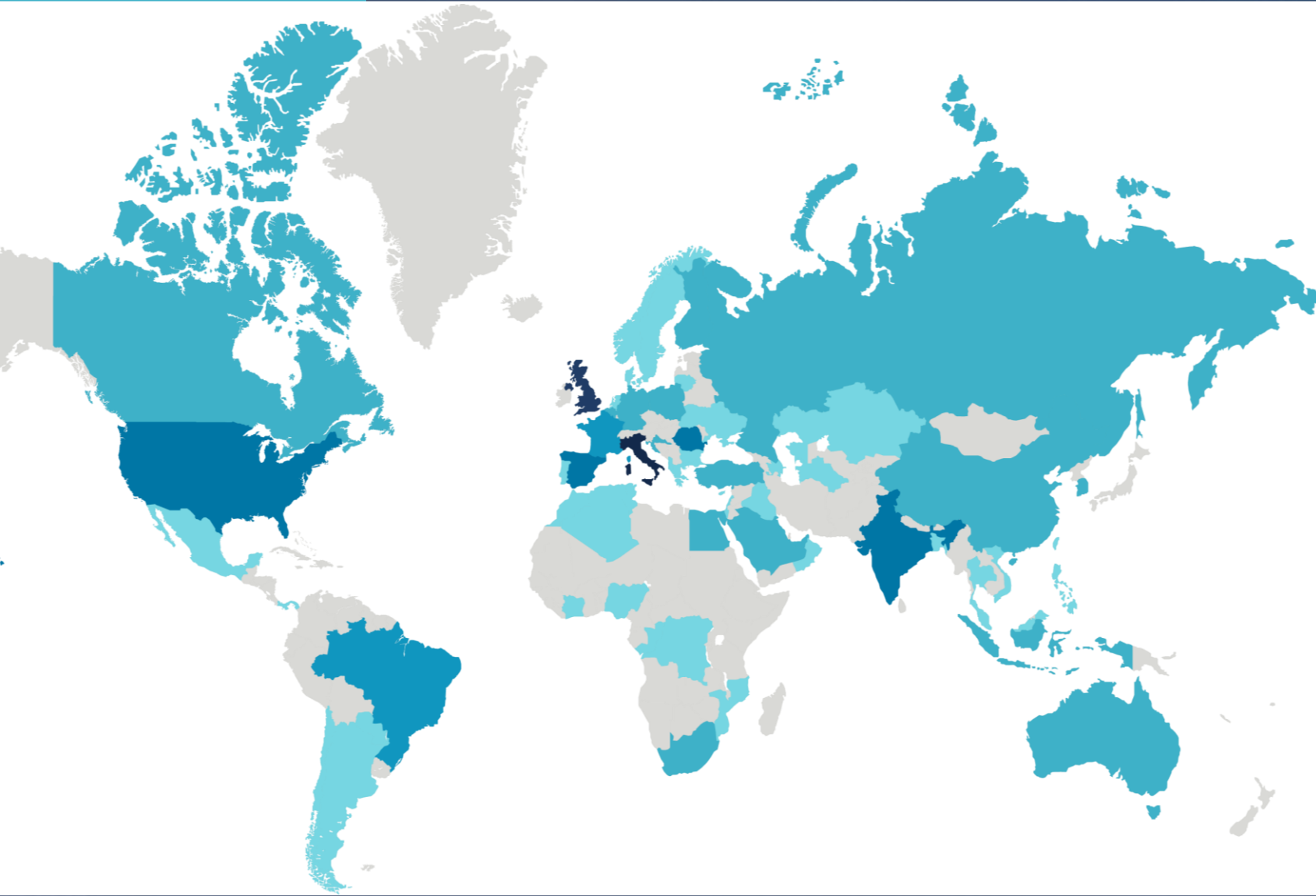


CORPORATE OVERVIEW

OVER 150 YEARS OF EXPERIENCE

RINA provides a wide range of services across the Energy, Marine, Certification, Transport & Infrastructure and Industry sectors through a global network of 170 offices in 65 countries.

RINA is a member of key international organisations and an important contributor to the development of new legislative standards.



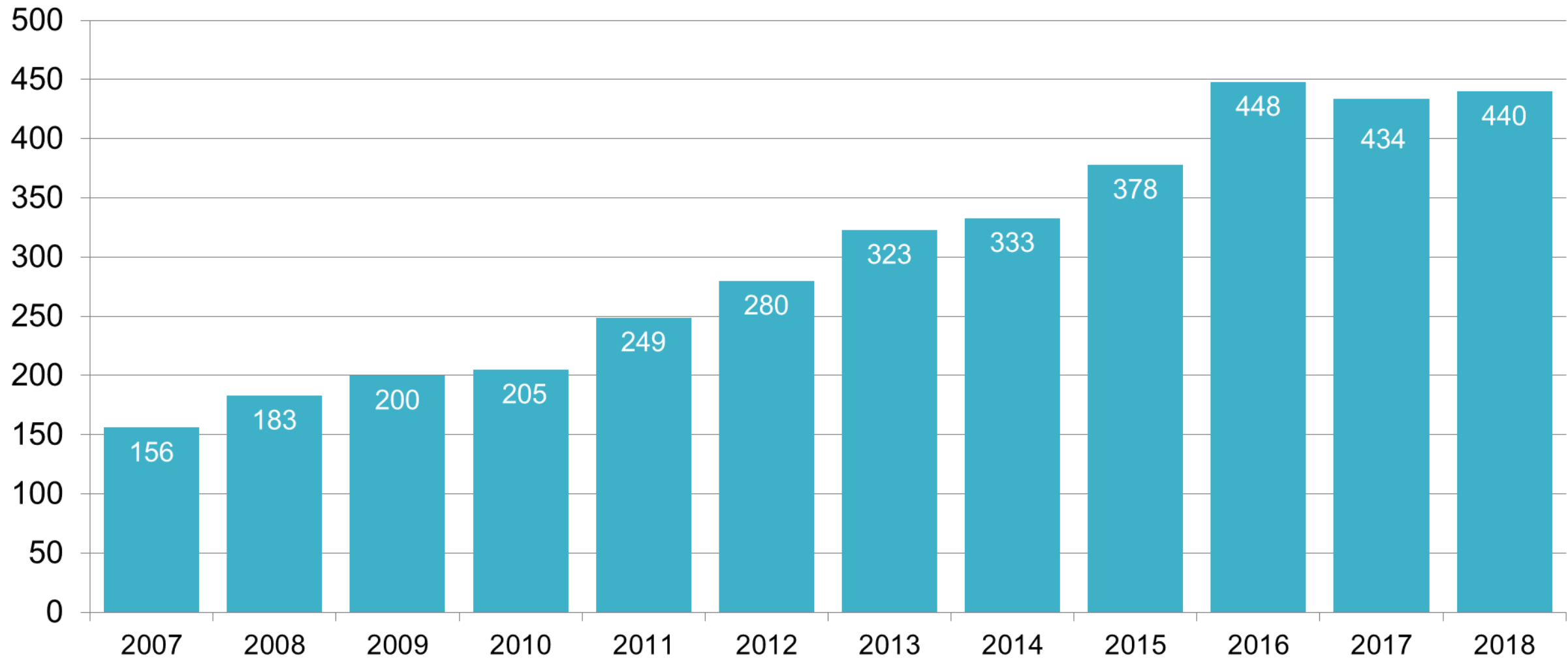
3.800 People

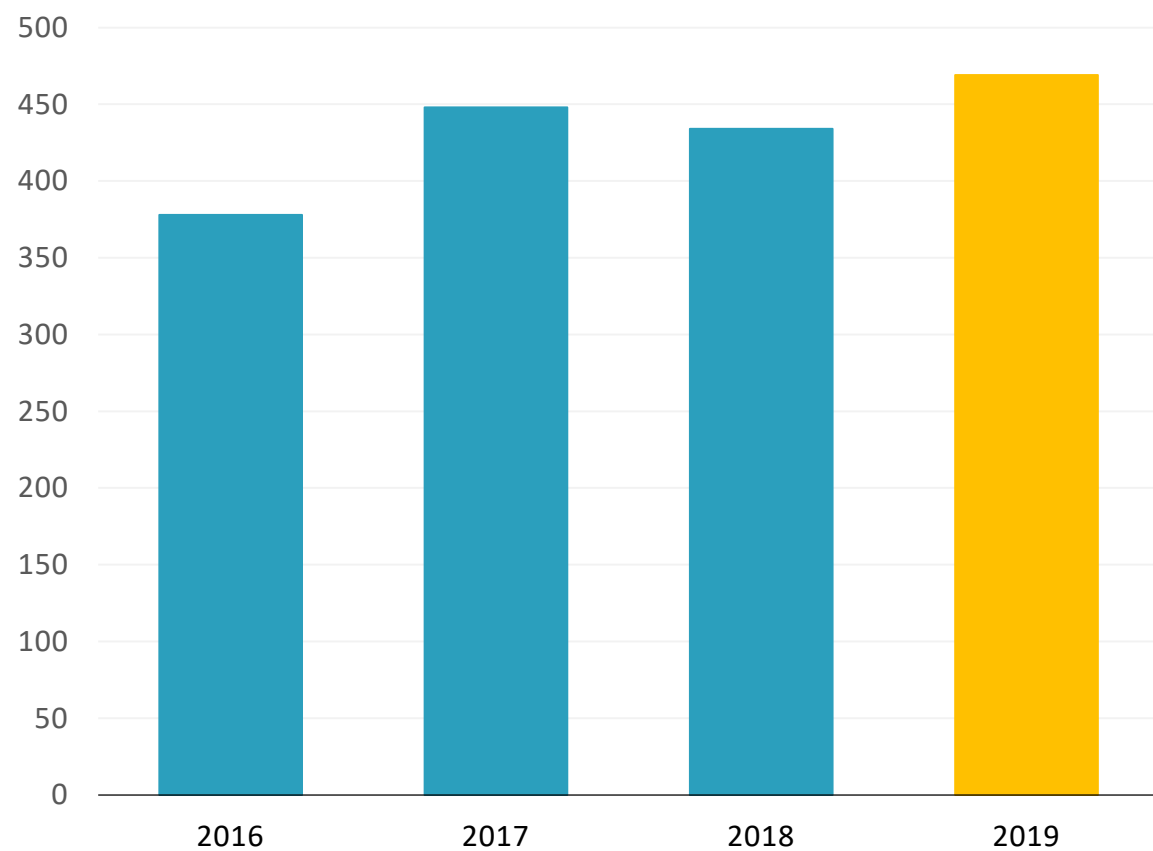
200+ Offices

70+ Countries

LEVEL OF RINA PRESENCE:







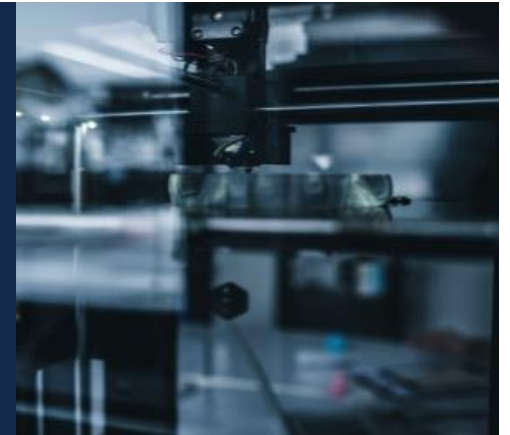
2019 469 MLN € +6,2%



Marine



Industry



Energy



**Transport &
Infrastructure**



Certification

MARINE



SERVICES

- Classification and Statutory Services
- Certification of Material, Product & Personnel
- Marine Technical Advisory Services
- Training for crews and ship operators

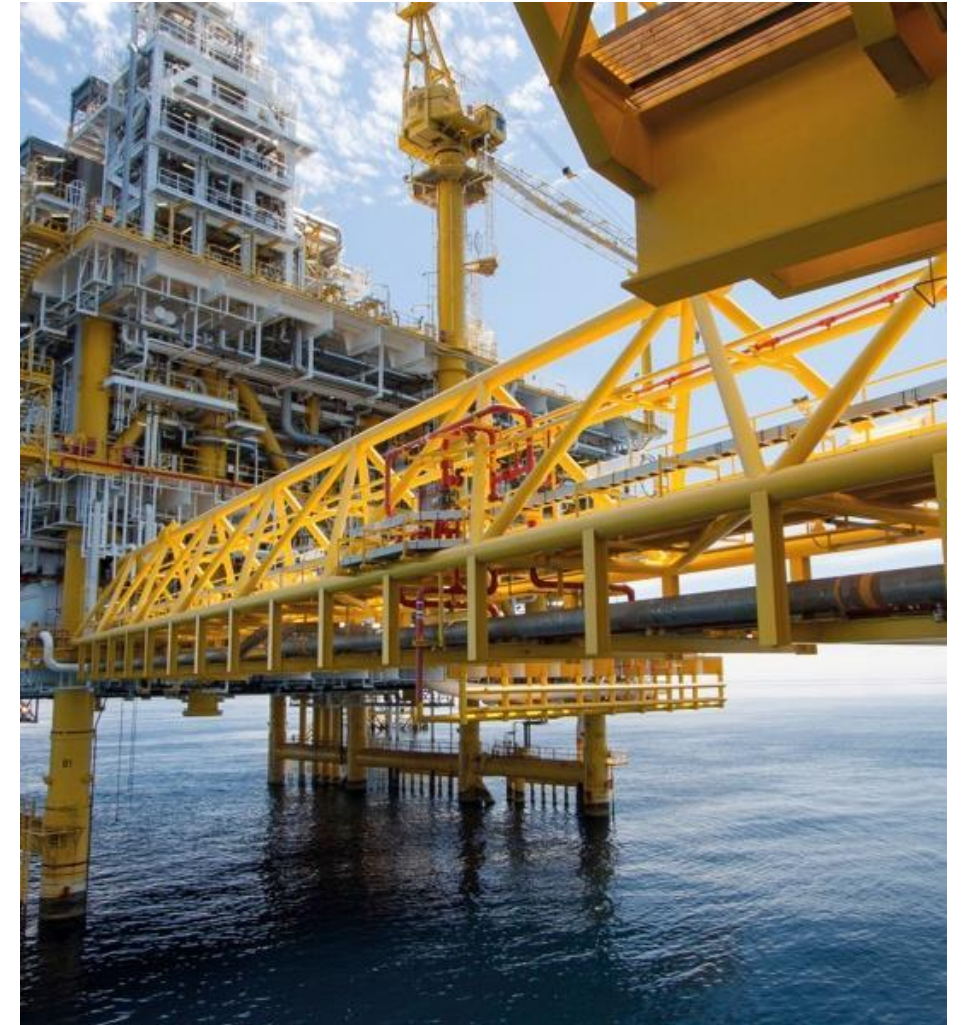


ENERGY



SERVICES

- Geosciences
- Environment, HSE & Permitting
- Logistics
- Advanced Numerical Simulation
- Project Management Consulting
- Operation & Maintenance Engineering
- Asset Integrity Management
- On Site Assistance
- Construction & Commissioning Management
- Inspection, Expediting and Material Management
- Vendor Qualification and Auditing
- QA/QC and Site Supervision
- Asset Classification or Certification



TRANSPORT & INFRASTRUCTURE



SERVICES

- Studies, Conceptual Design & Feasibility
- Design Services
- PMC / Construction Supervision
- Technical Advisory
- Asset Integrity Management (AIM+)
- Environmental Impact Assessment
- Operation and Maintenance
- Decommissioning
- Logistics and Supply Chain
- Railway Certification & Testing
- Design Verification
- Site Supervision
- Technical Inspection on Buildings, Infrastructure & Railways
- Energy & Sustainability Audits in Real Estate
- Green Building Certification
- PPP - Public Private Partnership and PF - Project Finance
- Independent Verification



CERTIFICATION



SERVICES

- Management Systems Certification
- Product Certification
- Personnel, Processes & Project Certification
- Statutory Inspection & Testing of Equipment



ACCREDITATIONS AND MEMBERSHIP



SERVICES

- Systems and Integration Engineering
- Combat Systems and Physical Integration Design
- Simulation, Test and Trials Support
- Software Development
- Electromagnetic Compatibility (EMC)
- Cyber and Physical Security Design
- Integrated Logistic Support Management and Engineering
- P3M, Management Services & Decision Support tools
- Financial, Functional and Enterprise Modelling and Simulation
- Training & Learning Solutions



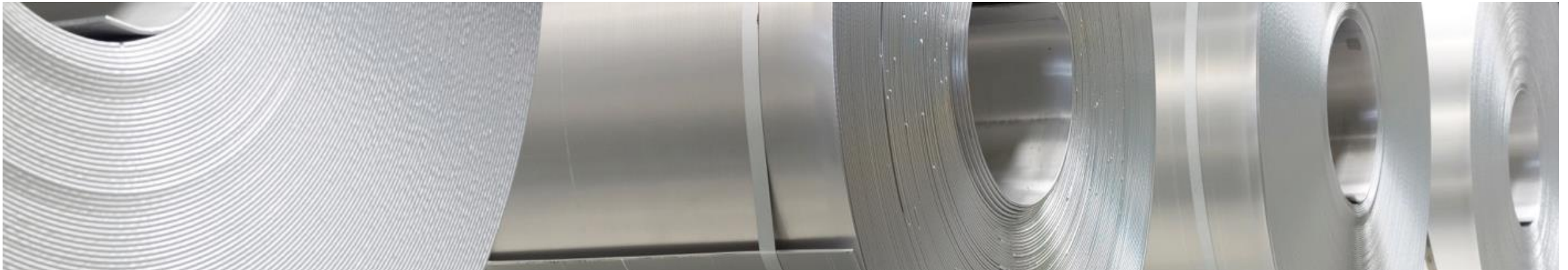
INDUSTRY

Materials, Technology & Innovation



SERVICES

- Innovation & Business Strategy
- Product Design & Engineering
- Materials and Product Development
- Manufacturing Process Innovation & Smart Manufacturing
- Material Selection & Qualification
- Product & Process Sustainability
- Engineering Critical Assessment (ECA)
- Life Cycle Assessment
- Performance Assessment
- Condition Assessment & Forensics



INDUSTRY

Space & Defence



SERVICES - OUR CUSTOMERS



- ❑ Extensive client list
- ❑ UK MOD, prime contractors, tier 2 suppliers and manufacturers
- ❑ Military, Government and Commercial clients
- ❑ Use of Frameworks (ESA, FATS, Niteworks)



Some Case Studies for the Defence Sector



Embedded System Design & Development

IN-AIR PASSIVE ACOUSTIC SENSORS - GUARDIAN

Client: EC- DG Research

Scope of work:

- Development of an innovative acoustic system for the improvement of the aircraft safety in airport areas, based on passive phased array microphone antennas
- Design, specification, development of overall system components
- FPGA firmware development
- Validation of the system in an airport environment

Tools: C language (C166 programming), Labview (HCI & test bed)



MULTIMEDIA SWITCHING EQUIPMENT FOR SAMP/T PLATFORM

Client: MBDA Italia SpA

Scope of work:

- Design, development, validation, integration and qualification of a multi-media military audio and data switching equipment compliant with military and NATO INFOSEC specifications.
- Development of specific test bed for the validation of the final equipment

Tools: Visual basic, Labview

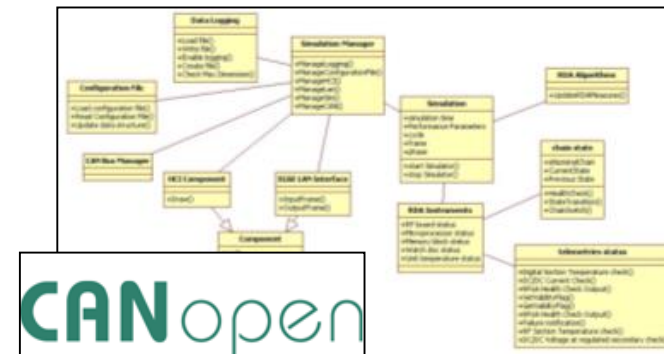
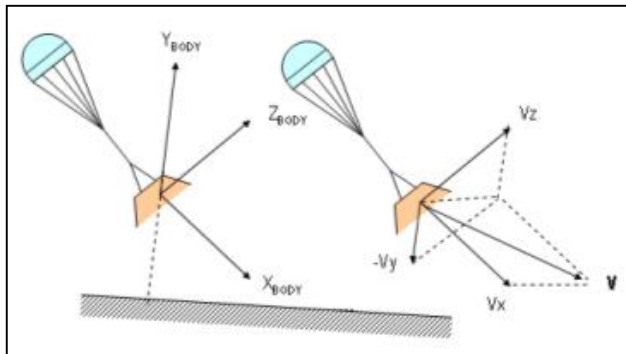
EXOMARS EGSE Activities

Client: European Space Agency, Thales Alenia Space Italia

Country: Rome (Italy)

Services Performed: Design, development and integration of the following software components of the EXOMARS Electrical Ground Support Equipment (EGSE):

- Radar Doppler Altimeter (RDA) Functional Software Model able to reproduce in real time the functionalities of the real RDA equipment by reacting both to commands received by the CANBUS and to input data provided to the digital section
- CANBUS Front End Module which manages the data exchange on the CANBUS interface
- Performance Evaluator that provides instruments to analyse data collected during integration activities.



ICT & Software Engineering

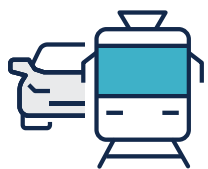
We design and deliver systems and software that meet our client requirements across the entire project lifecycle. Our services include:

- Software engineering and development services
- Product assurance and software reliability
- Independent verification and validation
- Computer-aided engineering tools
- Embedded systems
- Smart user interfaces
- IT system security

A photograph of a white aircraft with a large, dark blue, dome-shaped sensor pod mounted on its nose. The aircraft is shown from a low angle, flying against a clear sky.

FEATURED PROJECT

ANTI-DRONE EW C2
Client: Elettronica S.p.A.
Location: Italy
RINA Consulting supported ELT in the conception, design and development of a command control suite of anti-drone capabilities. We also led on the integration of active and passive EW sensors within the C2.



Some Case Studies for the Automotive Sector

Technology Scouting & HW/FW Engineering Lorenzo's Desmo 16



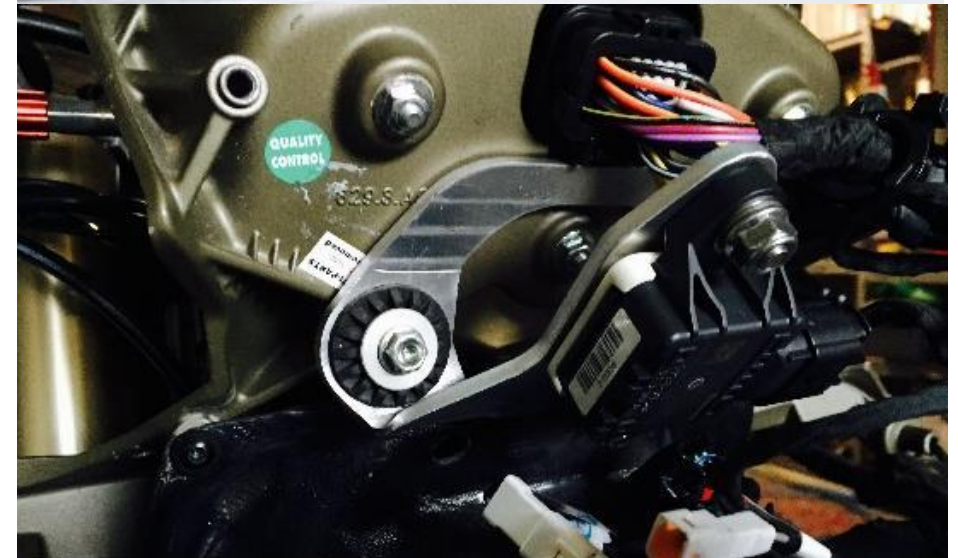
COUNTRY Italy

SCOPE OF WORK

RINA provided technology scouting services as support of the electronic department. During the project RINA was appointed to provide firmware design and development activities

TECHNOLOGY

Embedded firmware architecture, C, C++, MatLab, Simulink, Motorsports specific software, hardware and firmware debugging



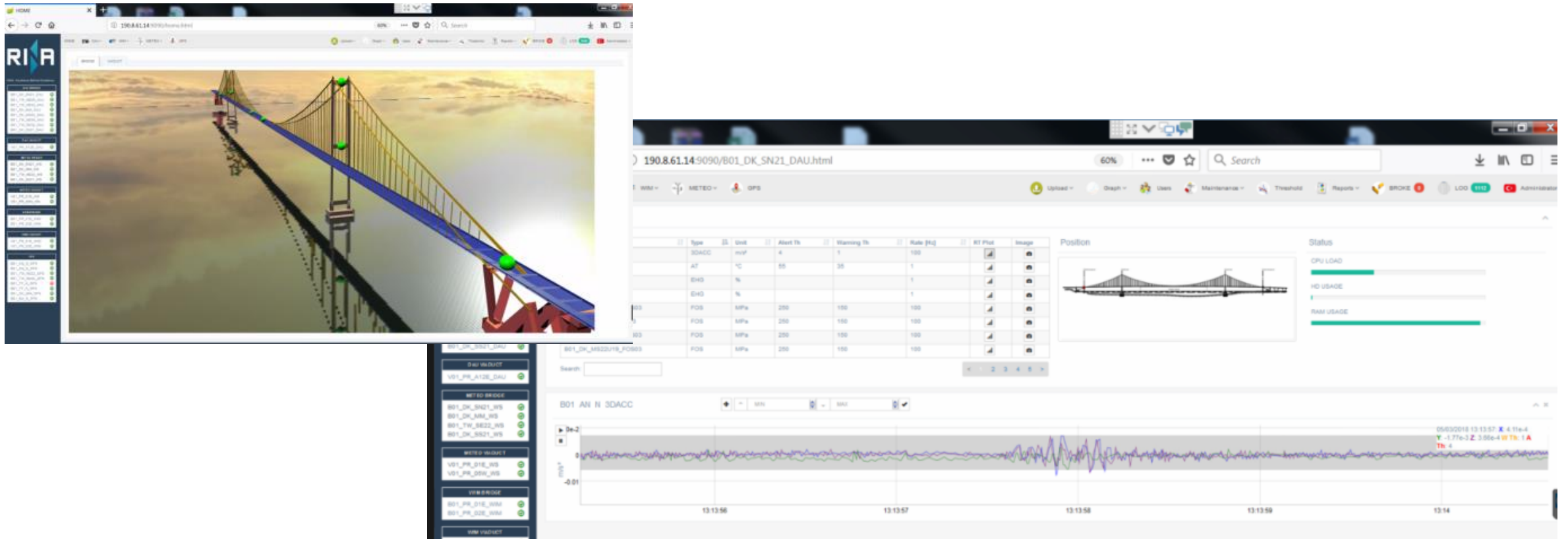


Monitoring tools
...some examples

IZMIT bridge Structural Health Monitoring System



MONITORING SYSTEM



CONTACT US

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