




RINA at a Glance



We simplify complexities through our expertise,
making what seems impossible, possible.

Make it sure,
make it simple.

RINACube and Digital Solutions

Performance monitoring

- Optimum - Fleet performance
- Optimum Wind
- Form MRV-DCS Forms
- Electronic Logbook
- Route Optimisation



Structural monitoring

- Structural Health Monitoring
- Seismic Monitoring
- Smart inspections with drones



Predictive maintenance

- Digital Twin
- Condition Based Monitoring
- Seismic Monitoring



Geolocation

- Smart Inspections - Kiber helmet
- Smart inspections with drones
- Virtual Reality
- Smart Track
- Geofencing



Energy



Services

OIL & GAS SERVICES

- Geosciences
- Environment, HSE & Permitting
- Logistics
- Advanced Numerical Simulation
- Pre-FEED, FEED & Detail Design
- 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

POWER SERVICES

- Power plant design
- Power equipment design
- Architect/Owner's engineering
- Power systems planning
- Grid connection studies
- Protection studies
- HVAC & HVDC services
- Power systems software
- Earthing & lightning protection
- Construction monitoring and project management
- Full technical due diligence
- Environmental and social studies and permitting
- Sustainability studies
- Inspection, Expediting and Material Management
- Vendor Qualification and Auditing
- QA/QC and Site Supervision



200+ ENVIRONMENTAL,
PERMITTING AND BIODIVERSITY
STUDIES



1,350 MW GRID CONNECTION
SUPPORT FOR OFFSHORE WIND
ENERGY IN EUROPE AND ASIA



50+ INTEGRITY OPERATING
WINDOWS STUDIES FOR REFINERY
UNITS



IOWs FOR **47** REFINERY AND
PETROCHEMICAL PLANT UNITS



180+ LNG PROJECTS CARRIED OUT



476 MW OFFSHORE WIND FARM:
ELECTRICAL DESIGN

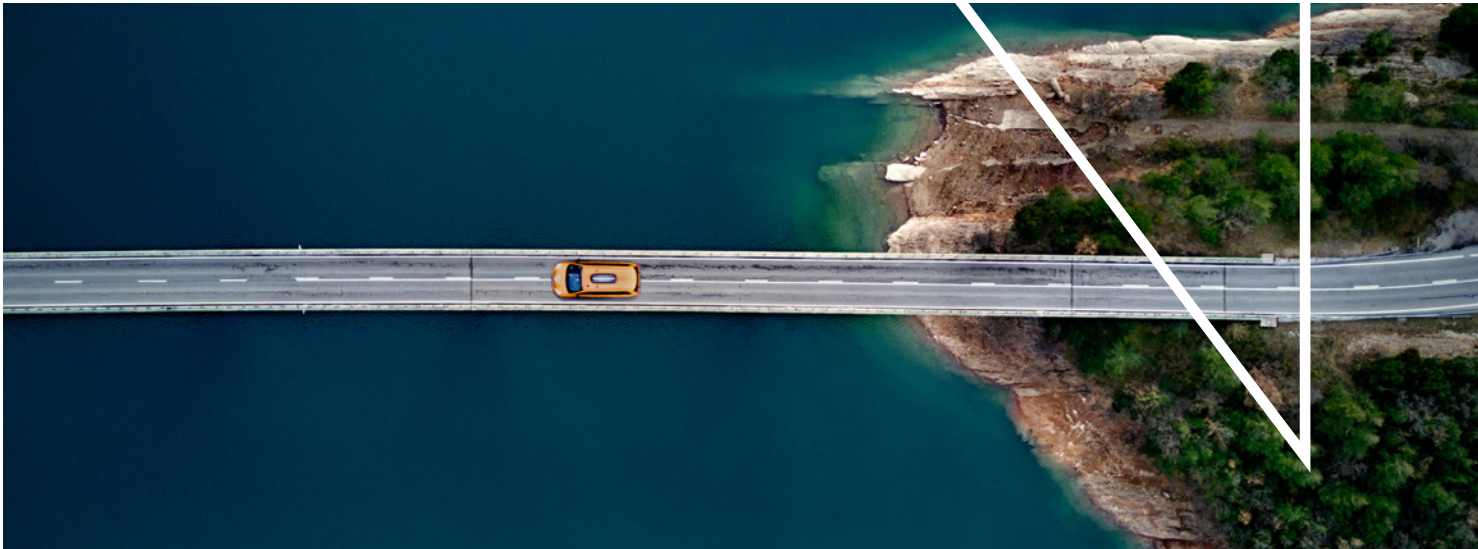


1,841 KM TAPI PIPELINE:
MANAGEMENT CONSULTANCY



425 KM OF INSPECTED SUBSEA
PIPELINES

Transport & Infrastructure



Services

- Studies, Conceptual Design & Feasibility
- Design Services & Technical Advisory
- Procurement Assistance and Contract Management
- PMC, Construction and Site Supervision
- Sustainability and Energy Efficiency Advisory Services
- Asset Integrity Management (AIM+)
- Operation and Maintenance
- Logistics and Supply Chain
- Procurement Inspection and Expediting - Welding / Coating Inspections, NDT tests
- Vendor Qualification & Auditing



31 PROJECTS IN **31** COUNTRIES



1,500 KM OF METRO/LRT PROJECTS



341 RAILWAY CERTIFICATION PROJECTS



21,000 SQM OF SUSTAINABLE BUILDINGS CERTIFIED



40 LEED AND BREEAM SUSTAINABLE BUILDING PROJECTS



115 DESIGN VERIFICATION CONTRACTS AS THIRD PARTY

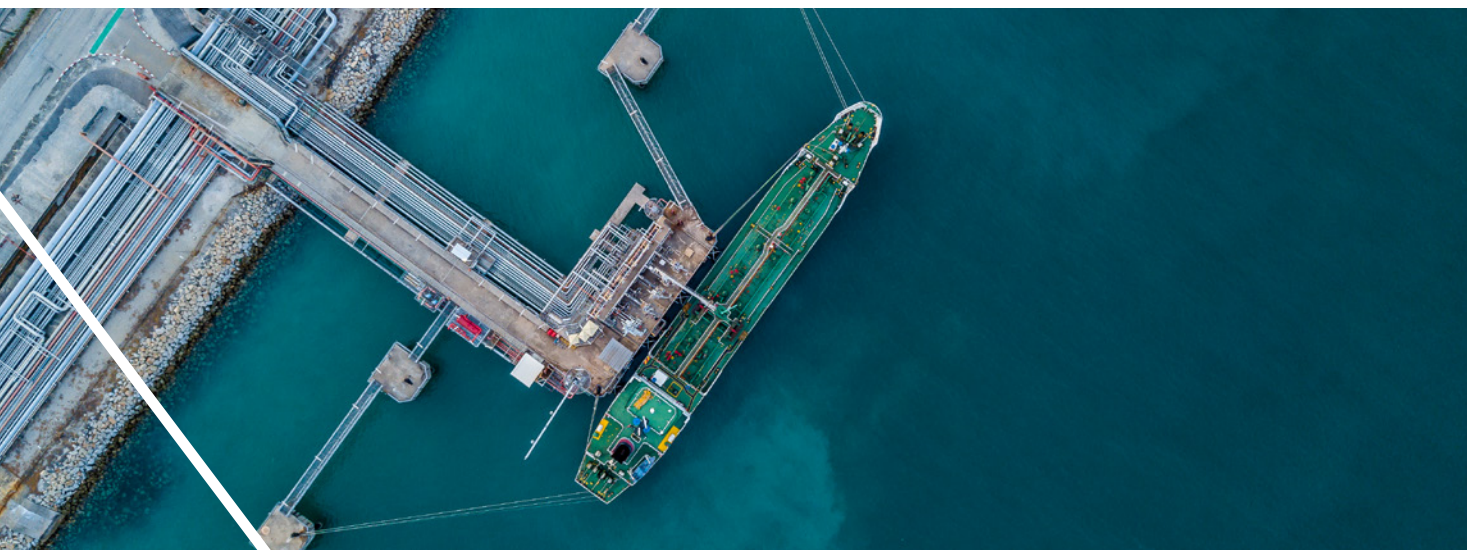


226 K+ HOURS OF ENGINEERING CONSULTANCY



1,500 CONTRACTS FOR CORPORATE LOAN APPRAISAL (REAL ESTATE)

Marine



Services

- Classification and Statutory Services
- Certification of Material, Product & Personnel
- Marine Technical Advisory Services
- Training for crews and ship operators
- OPTIMUM fleet performance management application
- Remote inspection and testing
- Inventory of Hazardous Materials
- Digital Ship Notation
- BIOSAFE Ship Notation
- Global Marine Training Centre



46.0 M GT OF CLASSED SHIPS



6,900 CLASSED SHIPS



5.5 M GT IN ORDERBOOK



175 SHIPS DELIVERED
(TOTAL 1.1+ M GT)



8 M GT OF CLASSED FLEET IN CHINA



1ST CRUISE SHIP POWERED BY LNG
IN THE COSTA FLEET



49% OF TOTAL PASSENGER



116 FLAG AUTHORISATIONS

Certification



Services

- Management systems certification
- Product certification
- Personnel, processes and project certification
- Inspection & testing of equipment
- Training on management systems
- Automotive audits and testing
- GHG projects validation and verification
- Anti-corruption management system
- Biosafety trust certification



140+ CERTIFICATION SCHEMES



970+ CERTIFICATES IN FOOD SCHEMES



1,500+ COMPANIES CERTIFIED WITH FOOD SCHEMES



28,000+ MANAGEMENT SYSTEMS CERTIFICATES



36,000+ PRODUCT CERTIFICATES



81,000 PERSONNEL CERTIFICATES



150,000 LABORATORY TESTS



1,000 GHG REDUCTION PROJECTS COMPLETED OR ONGOING

Industry



Services

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

SPACE & DEFENCE SERVICES

- Systems and Integration Engineering
- Combat Systems and Physical Integration Design
- Simulation, Test and Trials Support
- Software Development
- Hardware, Firmware and Software Design
- 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
- Decision Support Tools and Data Analytics
- Independent Safety Advisor and Assessment



285 K PRODUCTIVE HOURS OF
S&D ACTIVITIES



43 K PRODUCTIVE HOURS ON
TRAINING & LEARNING PROJECTS



82% FIRST-TIME PASS RATE FOR
ASME LEVEL 1 INSPECTOR TRAINING



92% PASS RATE FOR RANGE OF API
EXAM PREPARATION COURSES



500+ kg SPECIAL ALLOYS
POWDERS PRODUCED FOR AM
APPLICATIONS



800+ K HOURS OF HIGH-
TEMPERATURE STRESS TESTS



300+ K HOURS OF STRESS
CORROSION TESTS



5 SPACE/NUCLEAR TECHNOLOGIES
TRANSFERRED TO INDUSTRIAL
APPLICATIONS

Inspection & Field



Services

- Commissioning supervision
- Drilling & completions
- Expediting
- Logistics and supply chain
- Marine warranty survey
- Material and product certification
- Material management
- Pre-shipment inspection
- Pre-shipment and traceability global assurance
- QA/QC at site
- RBI, IOW, inspection planning
- Site construction supervision
- Smart Monitoring and Integrity Management
- SURF
- Vendor inspection
- Vendor qualification
- Welding and coating inspection and NDT tests



400,000 + HOURS OF FIELD
ACTIVITIES IN O&M



1,100,000 HOURS OF SITE
SUPERVISION



20+ OFFSHORE OIL & GAS
PLATFORMS CERTIFIED



50+ INTEGRITY OPERATING
WINDOWS (IOW) STUDIES FOR
REFINERY UNITS

RINA for Hydrogen

Our services

 STRATEGIC MARKET INTELLIGENCE	 TECHNICAL AND FINANCIAL DUE DILIGENCE	 CONCEPT AND FEASIBILITY DESIGN
 MATERIALS AND COMPONENTS	 RESEARCH AND DEVELOPMENT	 HSE AND PERMITTING
 OPERABILITY ASSURANCE AND ASSET INTEGRITY MANAGEMENT	 TECHNOLOGY QUALIFICATION	 TRAINING

Delta H Laboratory is devoted to evaluating material and component performances in presence of gaseous hydrogen at very high pressure (up to 1,000 bar, 14,500 psi):

- Full scale testing unit
- Small scale testing unit
- High pressure concentration temperature testing unit

Tailored solutions for 160 years

 3,900+ PEOPLE WORLDWIDE	 200 OFFICES IN 70 COUNTRIES	 476 M € TURNOVER
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A suite of services to mitigate Covid-19 impact and support business continuity.

- World's 1st statutory and class remote survey on the bulk carrier Cielo di Gaspesie (d'Amico Group)
- Conversion of GNV's M / n Splendid into a hospital ship to assist Covid-19 patients
- Fiumicino and Ciampino (Rome, Italy) are the world's 1st airports to obtain Biosafety Trust Certification

Our services

Occupational Health and Safety

- Biosafety Trust Certification
- BIOSAFE SHIP notation
- Health & Safety services for business continuity
- ISO 45001 certification
- Pre-shipment and traceability global assurance



Remotization

- Surveys with remote inspection techniques
- Kiber Helmet
- Smart EHSS Due Diligence
- Smart Technical Due Diligence
- Marine remote testing



Business Continuity

- RINA toolkit for business continuity
- Safe Reopening Check
- Resilience engineering
- Direct Worker Reporting
- ISO 22301 certification



Social distancing - virtual classroom

- Certification training
- Marine training
- Space & Defence training and learning
- Business School
- Technical Training



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RINA consists of the parent company RINA S.p.A., the holding which controls the main sub-holdings RINA Services S.p.A. and RINA Consulting S.p.A. In order to ensure compliance with the applicable recognition, authorization, notification and accreditation rules, including those relevant to the management of impartiality, RINA has adopted a governance and organizational model. According to this model, the sub-holdings are subject to direction and co-ordination by the holding in the finance, administration, strategic, organizational, managerial and business continuity fields, while technical and operational decisions remain under the exclusive responsibility of the sub-holdings and their controlled companies. The strict separation of duties in the governing bodies and the impartiality risk assessment, which identifies and manages the impartiality and conflict of interest threats coming from the company relations, ensure compliance with the applicable impartiality rules.