Antonio LUCCI

RINA – Senior Business Develpment

Carbon Reduction Excellence

PROFESSIONAL PROFILE, TECHNICAL SKILLS AND COMPETENCES

Development of hydrogen, ammonia and CCUS applications and value chain, scouting and evaluation of new energy scenarios from production to transport and use. Development of Net Zero solutions, support for RINA's green energy transition strategy. Support, development and integration of Rina BU services in decarbonisation, development of guidelines for hydrogen-ready materials and products (Rina Method of Statment). Evaluation of green product certification and CCUS value chain analysis. Monitoring of new technologies for production, transport and use of clean hydrogen. Road mapping of new green technologies to enable the operator to access new markets. Contact person for interaction with institutions and research centres on hydrogen ammonia and CCUS such as Enea, CNR Itae, MISE, MITE, MIT and universities. Contact person for VVF Participation in the Italian hydrogen association in H2IT and in the international association in Hydrogen Europe. Participation, within the framework of the Rina and VVF agreement on safety issues, in the working group set up to promote rules for the dissemination of the hydrogen value chain.

Business development in special tests for hydrogen, CO2 and ammonia applications in the new green value chain. Renewable energies and carbon free solutions with the aim of developing the offer and launching new commercial services in synergy with the Rina Group BU.

Support and development of projects for the production, transport, storage and use of hydrogen as a new energy carrier. Contribution to working groups and associations within the hydrogen associations H2IT and Hydrogen Europe, as well as ASME PVP and EUROCORR. Participation in the MISE/IPCEI hydrogen working group for the identification of the action plan to remove barriers and gaps in the transition to a carbon-free economy. Participation in hydrogen conferences and working groups for the standardisation of the hydrogen value chain.

Operational material testing laboratories management. Extensive experience in laboratory management, including hydrogen test laboratory, corrosion laboratory and hydrogen combustion station laboratory. Management of complex teams with the aim of maximising production, safety and efficiency of operational facilities and employees. Identification of possible solutions to meet customer needs and P&L operational requirements.

Mechanical engineering and testing: design of testing facilities. standard API mechanical testing for pipelines, full-scale testing, stress corrosion testing (NACE NORSOK), combined loads with high-pressure testing, experimental stress analysis, finite element analysis, tubular mechanics, fatigue testing, corrosion. Knowledge of mechanical testing, hydrogen embrittlement, fracture mechanics, fatigue, corrosion.

Definition and management of conventional and unconventional test programmes, including full-scale tests in the O&G sector, and their execution for the characterisation and development of OCTG and line pipe components, even under difficult conditions (high pressure, combined load, low temperature, aggressive fluids).

Author of numerous technical papers and articles in scientific journals or conference proceedings.