



PARTNER:



Partner presentation

D'Appolonia S.p.A.

MID-TERM REVIEW MEETING

Torino, 31 October 2013

D'APPOLONIA



**RINA
GROUP**



PARTNER: D'Appolonia S.p.A.



D'Appolonia is a major Italy-based engineering company that provides multidisciplinary engineering consulting and design services to a great variety of public and private clients

The Company has been established by Dr. Elio D'Appolonia in 1956 in Pittsburgh (Pennsylvania), and is present in Italy since 1981

In 1983 the Italian office, headquartered in Genoa, became the independent company D'Appolonia S.p.A.

The company since December 2011 is part of the RINA Group



- D'Appolonia provides engineering and management services during the whole project life cycle:
 - Feasibility studies and research
 - Conceptual design and project specifications
 - Preliminary and detailed design
 - Physical and virtual validation
 - Management of suppliers and system integration
 - Construction management and supervision
 - Commissioning and support to homologation and certification
 - Maintenance and operation



D'Appolonia is organized in seven Divisions:



- Environment and Energy



- Health and Safety



- Engineering Design



- Siting



- Electronic Systems

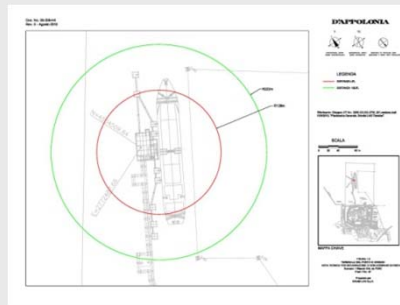


- Innovation Consulting



- Transport Engineering

- HSE Management
- Hazard Identification
- Quantitative Risk Assessment (QRA)
- Loss Prevention Engineering
- HSE Engineering (SIL, ATEX, Hazardous Areas Classification, Noise)
- Safety Reports (EC Seveso Directive)
- Occupational Health and Safety
- Reliability, Availability and Maintainability Analyses (RAM)
- Safety Studies and Special Analyses



D'Appolonia Team

- **Mehmood Ahmad** (ESR)
- **Marco Pontiggia** (Quantitative Risk Analyses & CFD Studies Area manager)
- **Paolo Paci** (HSE Division Manager)
- **Giovanni Uguccioni** (Oil & Gas Business Line Manager)

Area of expertise / Training opportunities

- **Hazard identification techniques** (HAZOP, HAZID, ENVID, Bow-Tie analysis)
- **Risk assessment techniques** (QRA, FERA, ETA)
- **Consequences modeling techniques** (Integral methods, CFD)
- **Reliability and Availability techniques** (RAM analysis, FTA, SIL)

- Both theoretical training and on-field applications
- Validation and Training WP leader

Case studies presentation

- **Risk assessment techniques** (Pipeline risk assessment)
- **Reliability and Availability techniques** (RAM analysis for a typical plano)

Project targets

- **To improve HOF methods in RA**
- **To promote safety culture in O&G major companies**
- **To improve D'Appolonia business**