



PARTNER: ARIA SRL



ARIA

Analysis of Industrial and Environmental Risks

MID-TERM REVIEW MEETING
Torino, 31 October 2013



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ARIA S.r.l. provides process risk analysis and safety and environmental engineering services, specialising in:

- Major Industrial risks
- Reliability and maintainability in complex systems
 - Occupational health and safety
 - Management systems
 - Environmental engineering

WORK-PACKAGES: ARIA S.r.l. is directly responsible, inside the InnHf project, of the WP8, "*Roadmap*"

The methodologies and their validation results in the different areas will be analysed and compared, in order to define a general framework and methodology, with tips and tricks related to the different application areas.

The general method will be used for the integration in the general standards. The application details will be prepared to be integrated as application annexes of the standards.

TRAINING: ARIA S.r.l. will organized at the end of WP8, the Workshop: Final results, leading to innovative design improvement solutions

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RESEARCH TEAM: ARIA S.r.l. enrolled in December 2012 mrs. GENG Jie (Jane), a researcher from Beijing University, with a Master Science in Environmental and Public Health Management.

Inside ARIA srl structure, GENG Jie cooperates with her two supervisors:

- Gianfranco CAMUNCOLI, Head of Major Industrial Risk Unit and Reliability
- Salvina MURE', Head of the Environment and Workplace safety Units

Geng Jie research work is constantly supported by her supervisors, that also participate with her at the monthly coordination meetings organized by Politecnico di Torino. The SAFER group meeting help the INNHF research teams in ARIA and POLITECNICO to exchange information and coordinate their works. In the meeting is frequently involved also DAPP research team.

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INTERNAL TRAINING: ARIA S.r.l. offers its fellow a complete training and applied examples concerning the following disciplines:

- MAJOR INDUSTRIAL RISKS: Risk analysis of complex technological systems (Risk Identification, Quantification of probability of occurrence, Calculation of Consequences)
- RELIABILITY AND MAINTAINABILITY OF COMPLEX SYSTEMS: RAMS Analysis, IDDA - Integrated Dynamic Decision Analysis:
- OCCUPATIONAL HEALTH AND SAFETY: Assessment of general and specific risks; management of Prevention and Protection Services; fire hazards analysis; emergency planning; accident, near-miss and occupational accident analysis, using innovative analysis techniques (Fuzzy Logic Approach); development and integration of Occupational Health and Safety Management Systems (OHSAS 18001)
- HSEQ MANAGEMENT SYSTEMS: Assessment of the Safety and Environmental situation and fulfillments; Development of the MS; MSs integration

NETWORK TRAINING: ARIA S.r.l. participated to the InnHF Zeroing Course in the Risk Assessment Day, with a case Study on Explosive Atmosphere Risk Analysis, and it will give its contribution to any training moment in which its expertise could be relevant.

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ARIA OBJECTIVES AND EXPECTATIONS:

- To spread the Safety culture, in compliance with its company mission
- To increase the awareness towards Safety Culture, helping the young researchers to employ risk analysis and take into account the Human Factors effects from the design phase of a plant
- To play an important role in the researches associated to Safety culture, in order to maintain an elevated educational level of its experts, and acquire the newest and more updated acknowledgements in the risk assessment field

