



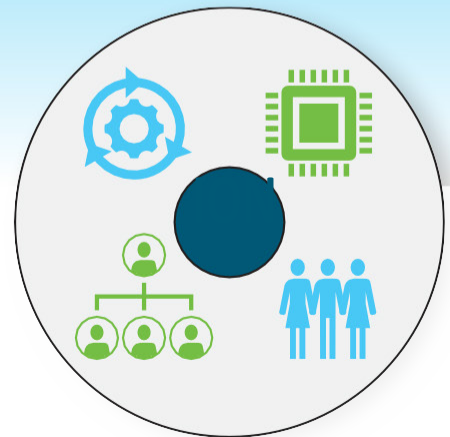
ION – Integrated Operations in the Nuclear Industry

Join us for an enlightening webinar where research and industry experts share how the Nuclear Industry can benefit from 20 years of North Sea Oil and Gas experience by transforming the way we work through an Integrated Operations approach.

June 24th, 2024, 10:00-12:00 am Eastern Time

Meeting Link: [Teams Link](#)

+1 208-901-7635# Phone conference ID: 295 308 945#



AGENDA:

- Welcome remarks and a brief overview of the current state of Integrated Operations in Nuclear (ION) within the nuclear industry. (Zachary Spielman)
- “The Common Challenges in US Nuclear and Norwegian Oil and Gas” - Focusing on the commonalities within functions, technology and organization (Asgeir Drøivoldsmo)
- “Value capture during 20 years of Integrated Operations within O&G” – Operational cost, production efficiency and safety (Trond Lilleng)
- “Step by step development of the Integrated Operations model” The IO concept applied in transforming operations, maintenance and modifications. (Øyvind Mydland and Trond Lilleng)
- “Methodology for continued development of Integrated Operations for Nuclear” Combining small steps and long-term goals for transition into ION (Asgeir Drøivoldsmo)

- Interactive Q&A: “Clarification and Discussion” What opportunities exist for a Nuclear transformation, sustainability and attract new talents? (Zachary Spielman)
- Brief wrap-up and information on further activities

WHO SHOULD ATTEND:

This webinar is designed for R&D managers, plant operators, regulatory affairs specialists, and other professionals involved in the nuclear energy sector who are committed to driving innovation and operational excellence.

LEARNING OUTCOMES:

Participants will leave with an understanding of:

- How to navigate the challenges associated with adopting IO in Nuclear.
- Embedding ION in your company’s strategy.
- Ways of integrating new technologies into existing nuclear operations.
- Positioning the industry to make our desired outcomes a reality.
- The importance of industrial initiatives supported by academia and government agencies in advancing ION.

ION – Integrated Operations in the Nuclear Industry

Norwegian offshore O&G has developed a concept with operationalized premises for a new integrated way of working. By taking advantage of the opportunities offered by new technology and an innovative mindset, an “industrial transformation” has been developed and implemented. Driven by demands for cost reduction, the industry has jointly established a new framework for restructuring that embraces both regulator, operators and the vendors supporting the industry.

The LWRS ION program has generated cost/benefit business cases for 30+ work enhancement opportunities within the nuclear industry. These opportunities are built from the concept that maximizing the use of data, analytics, collaboration, and communication using advanced technologies can transform how plants are operated and maintained. These concepts are based on the Integrated Operations model demonstrated by Norwegian North Sea Oil and Gas industries.

Parallels between nuclear power and oil & gas will be presented, focusing on empowering people to communicate and collaborate using modern technology. ION, when adopted, provides tools for continuous improvement and achieving organizational objectives. By combining small successes with long-term goals, the nuclear industry can become a self-sustaining resource for excellence in power generation.

As the nuclear industry moves towards more advanced, sustainable, and innovative systems, understanding the scope and implementation of ION is crucial for maintaining a competitive edge. This session is tailored for innovation leaders who are developing long-term sustainable solutions, seeking to improve nuclear power cost competitiveness, and creating a more attractive environment for the future nuclear workforce.



Asgeir Drøivoldsmo

PhD, Norwegian University of Science and Technology

Principal Research Scientist at the Institute for Energy Technology, Halden Norway. Asgeir has been working with practical methodologies for development and implementation of new work practices and operation concepts in nuclear and petroleum industrial research for 25 years.



Trond Lilleng

MSc, University of Science and Technology, Trondheim, 1977

Trond has 44 years of experience from oil and gas and, through his role in the oil industry, has helped shape what is today Integrated Operations. He held the position of Senior Advisor Integrated Operation, Equinor 2008-2022.



Øyvind Mydland

Engineer in IT and Automation – part-time researcher within AI at the University of Agder

Executive Business Advisor. With 25 years of experience, he is a top-tier expert in Industrial Digital Transformation. His expertise stems from strategizing, developing, planning, and executing digital and technology-driven transformations for major energy corporations across diverse environment and global regions.

CONTACT INFORMATION:

For more information, please contact Zachary Spielman, Zachary.Spielman@inl.gov or Jason Remer, Sherman.Remer@inl.gov.