



Sydkraft Nuclear Services AB

Expression of Interest and Expertise Contribution from Uniper Nuclear Services

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Submission to the Norwegian Nuclear Committee (Kjernekræftutvalget)

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Supporting Norway's Nuclear Future – Uniper Nuclear Services' Expertise and Commitment

As Norway explores the role of nuclear power in a future low-carbon energy system, Uniper Nuclear Services would like to formally express its interest in supporting the Norwegian Nuclear Committee's work and future national initiatives. With a unique mix of experience in licensing, operation, maintenance, engineering and nuclear decommissioning, we believe we can offer valuable support to the Norwegian effort to build a safe, modern, and resilient nuclear sector.

Who We Are – The Uniper Group

Uniper is a European energy company headquartered in Düsseldorf, Germany, with approximately 7,000 employees. The company was established in 2016 following the spin-off of E.ON's conventional and nuclear generation business.

Uniper owns and operates over 34 GW of generating capacity, with operations in Germany, Sweden, the Netherlands, and other parts of Europe. A significant portion of our energy portfolio is derived from nuclear energy, and we have decades of experience as both nuclear asset owners and operators.

In Sweden, Uniper is a major player in the nuclear sector through its majority ownership of OKG AB, the company that owns and operates the Oskarshamn Nuclear Power Plant, and Barsebäck Kraft AB, which was historically responsible for the Barsebäck reactors. Uniper is also the main entity behind the decommissioning programs of several Swedish nuclear units.

Our Nuclear Expertise – From Ownership to Execution

Uniper's nuclear operations are structured across several levels of expertise and responsibility:

Uniper Nuclear (Asset Ownership and Operation)

- OKG AB (Oskarshamn): Uniper is the majority owner (54.5%) and operationally responsible for the Oskarshamn Nuclear Power Plant, including the ongoing operation of Unit 3 and the decommissioning of Units 1 and 2. Unit 3 alone supplies over 10 TWh of electricity annually and maintains an operational availability above 89%.
- Barsebäck Kraft AB: Although the reactors were shut down, Uniper has remained responsible for safe decommissioning and site restoration, applying strict regulatory and environmental standards.
- Legacy from E.ON Nuclear: Before Uniper was founded, our nuclear operations were part of E.ON's nuclear business, giving us access to one of Europe's deepest nuclear operational histories and regulatory frameworks.



- Decommissioning Leadership: Uniper Nuclear has led complex dismantling efforts, including the full segmentation and removal of reactor pressure vessels (RPVs) at multiple sites, most recently at Oskarshamn.

Uniper Nuclear Services (Engineering, Licensing, and Operational Support)

Uniper Nuclear Services acts as the operational and technical services branch, providing high-level expertise and practical solutions across the entire nuclear lifecycle. We are equipped to deliver services both on-site and from back-office/central support centers.

Key Capabilities:

1. Licensing and Regulatory Support
 - Assistance with national and international licensing processes
 - Compliance with IAEA, OECD/NEA and national frameworks
 - Regulatory engagement and scenario development
2. Owners Engineer / Project Partner
 - Independent technical support during design, construction, commissioning, and operation
 - Interface management between suppliers, authorities, and owners
 - Risk management and investment planning assistance
3. Plant Operation and Maintenance
 - Long-standing experience from operating Oskarshamn 3
 - Development of preventive and corrective maintenance programs
 - Optimization of plant performance and outage planning
4. Decommissioning and Waste Management
 - Proven track record in reactor dismantling (e.g., Oskarshamn RPV segmentation)
 - Waste treatment planning and logistics, including clearance and disposal
 - ALARA planning and execution
5. Engineering and Technical Resources
 - Our dedicated engineering hub in Gelsenkirchen, Germany provides access to highly specialized resources for:
 - Design modifications
 - Equipment qualification
 - Waste handling systems
 - Digital solutions and plant life extension
6. Management and Quality Systems
 - Development and implementation of nuclear-grade management systems
 - Quality assurance, safety culture integration, documentation and traceability systems
 - Training and organizational readiness support



Why This Matters for Norway

We strongly believe that our multi-tiered competence can support Norway in several vital areas:

- Shaping the regulatory framework for nuclear development
- Supporting early-stage project planning and feasibility
- Acting as Owners Engineer for Norwegian entities
- Providing operation, maintenance and outage planning services for SMRs or large reactors
- Developing nuclear-grade quality and management systems
- Training and organizational support for new nuclear operators and institutions

Conclusion

Uniper Nuclear Services, backed by the strength and operational history of Uniper Group, offers a complete spectrum of nuclear expertise – from strategy and licensing to hands-on engineering and decommissioning. We are committed to supporting Norway as a trusted, independent and experienced partner.

We would welcome the opportunity to contribute to the Norwegian Nuclear Committee's work and remain at your disposal for further dialogue or presentation of our capabilities in detail.

With sincere regards,

Mikael Gustafsson
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