Oil and gas operations in cold climates involve several new risk elements; in particular, greater distances, colder temperatures, longer periods of darkness and a lack of infrastructure. Oil and gas operators need to put in place effective oil spill preparedness solutions if they are to reduce the consequences of a potential incident.

Supporting industrial activity in the Arctic
DNV GL is helping customers to meet the challenges of cold climate operations head on. Our experts have decades of expertise in developing oil spill preparedness solutions for cold climates and, as part of our Arctic strategy, we have established a dedicated team focused on providing advice and developing solutions that will enable the industry to prevent and, if necessary, respond promptly and effectively to oil spills in cold climates, including those of the Arctic.

Working for a safe and sustainable future
DNV GL’s heritage and expertise enables us to contribute to the safe and sustainable development of the Arctic by:
- Ensuring that oil spill preparedness and response strategies are adapted for cold climates
- Implementing standards for testing oil spill response equipment
- Contributing to the development of technology and equipment for oil spill response
- Helping to secure the protection of the Arctic’s unique biological environment.
Arctic oil spill preparedness

How we help customers
Our dedicated oil spill preparedness team provides:

■ Oil spill contingency analysis
■ Preparedness planning, including general and detailed action and logistic plans for offshore, coast and shoreline
■ Oil spill preparedness training, exercises and implementation
■ Oil spill response technology development
■ Verification and supervisory services.

The team is further supported by our environmental risk management experts who provide:

■ Oil drift simulations (OSCAR tool)
■ Environmental risk analyses
■ Oil spill contingency analyses
■ Environmental impact assessments
■ Development and decommissioning environmental assessments
■ General environmental advisory support
■ Environmental monitoring
■ Coral risk assessments.

Your team of experts
DNV GL has long experience in oil spill preparedness as a result of our investment in research and innovation, and involvement in joint industry products with our customers and the industry at large. We have provided consulting services for petroleum-related activities for many years, with an emphasis on operative oil spill preparedness planning. Our customers include operating companies, industry associations, such as NOFO, and private businesses.

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