

DEFENDING FRAGILE FRONTIERS

Proven Arctic Oil Spill Readiness

The challenge:

The Arctic is opening to new shipping routes, energy projects, and research. Its ecosystems are among the most sensitive on Earth—while operational distances, ice cover, and harsh weather make oil spill response uniquely demanding. Preparedness, speed, and reliable technology are critical.

For over 40 years, Lamor has been a trusted partner to governments and maritime operators in developing Arctic response systems that combine technology, design integration, and operational support. From Finland's pioneering icebreaker fleet to North American Arctic deployments, Lamor solutions have defined how modern oil spill response is built, trained, and sustained.

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The Challenge of the Arctic

Oil behaves differently in Arctic waters. Freezing rapidly, mixing with slush ice, and becoming difficult to contain or recover. Operations are limited by extreme cold, darkness, and isolation. These conditions mean that Arctic preparedness must be built into national capability from the start.

Lamor's mission is to make that capability a reality. True Arctic readiness goes beyond owning the right tools — it means having a tested concept of operations, trained personnel, and systems designed to function together in extreme environments.

Capabilities That Matter

Decades of field experience have shown that Arctic spill response readiness depends on systems that are:

Fully winterized:

Oil collection units, heated oil transfer hoses and pumps and power-packs that stay functional below freezing.

Integrated into vessels:

Lamor's in-built or containerized oil recovery systems turn workboats or multipurpose ships into rapid-response platforms.

Efficient and safe:

Mechanical recovery systems such as the Arctic Skimmer, Sternmax and Brush Bucket maintain high oil encounter rates even in ice fields up to 100 % coverage. The Brush Bucket for example was rated highest in BSEE drift-ice skimmer testing at Ohmsett and demonstrated in U.S. Coast Guard R&D ice-field operations on the Great Lakes.

Supported by training and testing:

Lamor equipment is proven at Nordic (SINTEF) and North American facilities like Ohmsett and Cold Regions Research & Engineering Laboratory (CRREL, US Army Corps of Engineers), where U.S. and international responders have trained with it in realistic Arctic conditions.



The Sternmax system is the world's leading vessel-mounted Arctic skimmer.

40+ YEARS OF EXPERIENCE

Arctic fleets worldwide trust Lamor

Lamor develops and deploys proven Arctic oil-spill response systems for the world's most demanding environments. Our technologies are installed on 2,200 vessels, including the majority of the world's icebreakers and many ice-capable fleets.

Lamor delivers practical readiness and environmental protection where it matters most.

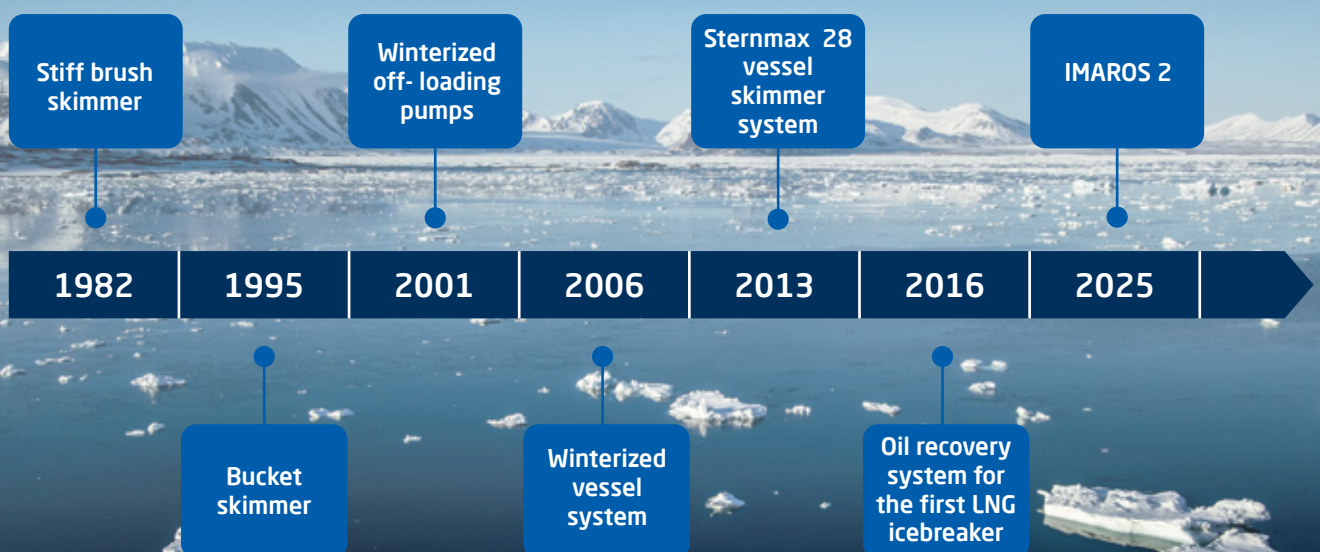
Proven Collaboration in Arctic Oil Spill Response since 1982



Lamor's Arctic expertise has been built through long-term cooperation with:

- **National response agencies** - including the U.S. and Canadian Coast Guards and Bureau of Safety and Environmental Enforcement (BSEE), Thule Arctic Air Force base, as well as Finnish, Swedish and Norwegian coast and border guards and Finland's state ice breaker operator Arctia.
- **Research and training partners** - Alaska Clean Seas, the Cold Regions Research and Engineering Laboratory (CRREL), the Norwegian Foundation for Industrial and Technical Research (SINTEF) and the Finnish Environment Institute (SYKE), through joint testing, validation, and field training.
- **Industry and fleet operators** - such as Shell Alaska, Ecoself Sakhalin and Baltic, Sovcomflot, Gazprom Neft Shelf, and Exxon-Rosneft, which have deployed Lamor systems across Arctic operations.
- **International and defense exercises** - participation in EU-led response drills (Baltex Delta and OPRC-aligned Arctic exercises).

Lamor's innovation milestones



FROM PROVEN SYSTEMS TO COMPLETE SOLUTIONS

Lamor's Arctic-Ready Solutions

Lamor delivers complete Arctic oil spill response capability built on world-class equipment and strengthened by system integration, training, and long-term operational support. With decades of experience, certified equipment, and an established network for service and logistics, Lamor delivers more than systems – we deliver operational assurance.

Why customers choose Lamor?



Proven performance through four decades of Arctic operations and full-scale testing from the Baltic to Alaska.



Continuous training and maintenance programs that sustain long-term response readiness.



Winterized and certified systems that remain fully operational in sub-zero and ice conditions.



End-to-end project delivery integrating design, equipment, training, and long-term support.



Read more about our Arctic solutions



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Global leader in Arctic oil spill recovery