

A photograph of a water treatment plant featuring large circular tanks with floating skimmers. A metal walkway with railings is visible in the background. The image is framed by a dark blue circular graphic on the left and bottom right.

Water treatment solutions

Your preferred partner on the journey towards a cleaner tomorrow

[lamor.com](https://www.lamor.com)

LAMOR

Transforming water treatment for a thirsty world

As the International Panel on Climate Change (IPCC) reports, nearly 80% of the global population already faces water security challenges. With the climate crisis exacerbating water scarcity, it's more crucial than ever to invest in robust water treatment solutions to bolster resilience and secure water resources for the future.

At Lamor, we take pride in our deep-rooted expertise in water purification. Our journey began with oil spill response technology and has since evolved into a versatile array of cutting-edge solutions for wastewater processing and potable water applications.

Lamor's water treatment methods



Water and wastewater

Treating water and wastewater properly is one of the cornerstones of modern society and crucial for environmentally sustainable growth. Lamor provides many solutions which ease the burden on water bodies and help operators to maintain safe, effective, efficient and economical water and wastewater treatment.

Circulation and reuse

In regions prone to drought, effective water circulation and reuse are essential for sustainability. By harnessing advanced technologies such as Membrane BioReactor (MBR) and Ultrafiltration (UF) for polishing purposes, municipalities and industries can optimise water circulation and reuse. This approach minimises the need for ocean-sourced water and significantly reduces carbon emissions, as treating salt-free water to meet quality standards consumes far less energy than desalinating seawater.

Water streams vary significantly, and our tailored approach begins with a comprehensive characterisation phase. By understanding the unique impurities and end-use requirements of each treated water source, we can determine the optimal combination of processes and technologies to include in the delivery scope. With our extensive range of options, we can provide cost-effective solutions for each client. Our expertise extends beyond cutting-edge membrane technologies, encompassing pre-treatment and disinfection to ensure seamless operation. From initial pre-treatment to final water storage, our designs are thorough and effective.

Process and potable water

When it comes to water, it's easy to categorise it as drinkable or non-drinkable. However, water quality varies significantly depending on the source, and drinkability is merely one aspect of its composition. As such, water from natural sources or wastewater recycling is often deemed raw water, requiring treatment to achieve the desired end quality. Beyond potable drinking water, industrial processes are substantial consumers of water, with water quality requirements varying considerably depending on the process type.

Managed Aquifer recharge

Managed Aquifer Recharge (MAR) is a game-changing technology for the potable water industry. The process harnesses nature's own treatment methods, filtering water through soil and employing bioremediation with bacteria. MAR can be applied for groundwater remediation, restoring brackish water aquifers to freshwater aquifers, and storing produced potable water or treated wastewater.

Water stored underground is protected from sunlight, heat, and external hazards, with virtually limitless storage capacity. Due to global warming, rainfall has become more aggressive, and although average rainfall amounts remain relatively unchanged, water has less time to store in natural aquifers. Instead, it flows into rivers and lakes, causing soil erosion. By implementing MAR technology, water can be injected into the aquifer when needed, and the aquifer can be monitored and controlled through production wells.

Innovative aquaculture solutions

As the global demand for seafood continues to surge, traditional wild fisheries alone cannot meet the rising needs of the world's growing population. Enter aquaculture, the practice of cultivating fish, shellfish, and aquatic plants in controlled environments. We at Lamor have combined our know how from oil spill recovery, marine industry, waste management, and water treatment, and have created an extensive portfolio of sustainable solutions for the aquaculture industry.



Why Lamor?

Lamor's water treatment solutions stand as a beacon of sustainability safeguarding water sources and fostering eco-friendly practices. Our innovative solutions not only ensure pure, safe water but also promote environmental responsibility by minimizing pollution and preserving natural resources. Choosing our sustainable water treatment options aligns with a commitment to reducing the ecological footprint, promoting responsible water management and contributing to a healthier planet for current and future generations.

LAMOR

Let's clean the world

Lamor in brief

Lamor is one of the world's leading providers of environmental solutions. For four decades, we have worked to clean up and prevent environmental incidents on land and at sea.

Environmental protection, soil remediation and material recycling: Our innovative technologies, services and tailored solutions, ranging from oil spill response, waste management and water treatment to soil remediation and plastic recycling, benefit customers and environments all over the world.

We are capable of vast and fast operations thanks to our connected ecosystem of local partners, steered by our experts. Lamor's share is listed on the Nasdaq Helsinki (ticker: LAMOR). Further information: www.lamor.com