



# Potable water production

Your preferred partner on the journey towards a cleaner tomorrow

[lamor.com](http://lamor.com)

**LAMOR**

# Producing clean water from challenging sources

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.

## Process and potable water project guide



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.

At Lamor, we support both industrial and municipal clients in their endeavours to produce water of a specific quality as efficiently and sustainably as possible. Our energy-efficient reverse osmosis systems, designed for salt removal applications, ensure an environmentally conscious approach. We also take care of the membrane elements' lifecycle, collecting and recycling them in our plastic recycling facilities upon usage completion.

Our ultrafiltration systems are designed for use as pre-treatment, polishing treatment, or main treatment. These fully automated systems can be assembled in a container or mounted on a skid, depending on the need.

By producing process water from more demanding sources, we help preserve groundwater for potable use.



## How we operate

Process and potable water projects typically begin with demand, which determines the required quantity and quality. The raw water source is then identified based on these needs. The most environmentally friendly approach involves seeking a wastewater source that can be treated and reused for the intended purpose. If drinking water is required, the source is usually salty seawater, surface water or groundwater. Given the significant variations between surface and groundwater sources, all potential sources are identified before being selected.

Once the source is known, the process and system design can be developed. Depending on the required capacity and location, the equipment can be designed using a modular and containerised philosophy or mounted on a skid and assembled in a specific space.



## Why Lamor?

Climate change and drought has forced technology providers such as us to develop treatment systems to operate more efficiently in terms of water usage. We have managed to use our know-how to allow as low backwash water consumption as possible, which leads to high daily average throughput production rates. By optimising the membrane design together with the backwash functions we have managed to reach the lowest energy consumption with smaller backwash pumps and more efficient backwash with "in to out" sequence. This means that we are able to operate the system longer without interruption.

# LAMOR

Let's clean the world

## Lamor in brief

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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](http://www.lamor.com)