

# H2oVortex recognized among world's leading circular water innovation solutions in BOOST-IN EU mapping initiative



H2oVortex is proud to announce its inclusion in the **BOOST-IN EU innovation mapping tool**, where the company has been recognized among **206 circular water innovation solutions worldwide** and stands as **the only Luxembourg-based company selected in this global mapping initiative**.

Led by Ecofilae as part of the BOOST-IN initiative, the innovation mapping tool serves as a growing reference platform for investors, researchers, policymakers, and industry stakeholders seeking scalable circular water solutions spanning water reuse, nutrient recovery, and energy generation.

For H2oVortex, this recognition validates the growing importance of industrial water efficiency as a critical pillar of the global sustainability transition.

## Recognition of a Proven Industrial Water Efficiency Solution

H2oVortex's inclusion reflects the strength and relevance of its **Industrial Vortex Generator for Cooling Towers (IVG-CT)** technology, a proven solution designed to substantially improve the

sustainability and operational performance of critical cooling infrastructure.

Cooling towers remain one of the most overlooked yet significant consumers of industrial water, chemical treatment, and energy across sectors such as data centers, food processing, manufacturing, pharmaceuticals, airports, commercial real estate, and energy-intensive industries.

As global water stress intensifies, environmental regulations tighten, and industrial operators face increasing pressure to improve sustainability KPIs while preserving business continuity, practical and scalable solutions have become essential.

H2oVortex's IVG-CT technology directly addresses these challenges by enabling:

- **Up to 50% reduction in cooling tower make-up water consumption**
- **Up to 95% blowdown water reuse**
- **Significant reduction in chemical dependency**
- **Up to 10% energy savings**
- **Extended asset life for critical cooling infrastructure**
- **Improved operational resilience and reduced environmental discharge impact**

## **Industrial Water Efficiency: A Critical Missing Link**

While much of the circular water conversation focuses on wastewater reuse and treatment, industrial water efficiency remains one of the fastest and most immediate opportunities for meaningful environmental impact.

Cooling infrastructure is often invisible in sustainability discussions despite representing a major source of water consumption and chemical discharge in industrial and commercial operations.

The recognition by BOOST-IN highlights the need to broaden the conversation beyond water treatment alone and include technologies that prevent water waste at source while improving infrastructure performance.

## **A Milestone for Luxembourg Innovation**

As the sole Luxembourg representative included in the BOOST-IN global mapping, H2oVortex also sees this as recognition of Luxembourg's capacity to foster internationally relevant sustainability innovation.

This milestone reinforces H2oVortex's commitment to supporting industrial clients worldwide in addressing increasingly complex water, energy, and environmental challenges through practical, measurable, and scalable solutions.