

# LiqTech Scales Ceramic Filtration Project Delivery Through Major Municipal Pool Installations

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**LiqTech International is accelerating the commercial deployment of its QlariFlow™ ceramic membrane filtration platform, securing increasingly complex municipal and institutional aquatic infrastructure projects across Europe, North America and Australia.**

Its latest installation at Aquacentrum Den Helder in the Netherlands marks the company's largest commercial pool project in Europe to date and highlights the growing role of advanced filtration technologies in modern public infrastructure programmes.

## **A phased infrastructure project with technical delivery challenges**

The Den Helder project includes:

- Five QlariFlow™ filtration systems
- Two AutoCIP units
- 56 silicon carbide membranes

Installation is being delivered in phases, with the first systems commissioned in January 2026 and the remainder scheduled for August.

From a project delivery perspective, the site presented significant operational constraints. Limited space and restricted system access required a highly modular approach to design and deployment, making

compact engineering and installation sequencing critical to execution success.

This reflects a wider trend in retrofit and municipal infrastructure projects, where engineering flexibility increasingly determines procurement decisions.

### **Project execution through strategic partnerships**

Delivery is being managed in collaboration with Lotec, LiqTech's exclusive BENELUX distributor and engineering partner.

Under the partnership model:

- LiqTech provides core filtration technology
- Lotec manages local system design, engineering and project execution

This regional delivery structure enables scalable deployment while maintaining technical oversight and local operational expertise.

For project-based industries, the model demonstrates how technology providers are increasingly relying on regional execution partnerships to accelerate adoption in specialised infrastructure markets.

### **Infrastructure modernisation driving filtration demand**

Municipal aquatic facilities are under growing pressure to improve:

- Water quality performance
- Operational efficiency
- Energy consumption
- Regulatory compliance

Traditional chemical-intensive filtration systems are increasingly being challenged by alternative technologies offering reduced operational load and improved sustainability outcomes.

QlariFlow's silicon carbide membrane systems are positioned around these requirements, particularly in environments where:

- Space is constrained
- Long-term operating costs matter
- Reliability is critical

This aligns closely with the broader infrastructure trend towards higher-performance, lower-maintenance

utility systems.

### **From individual installations to scalable programme delivery**

The Den Helder project forms part of a larger international expansion strategy for LiqTech.

Recent deployments include:

- A three-system installation in Wyoming, marking the company's first U.S. institutional aquatic infrastructure project
- A 10-system project at Australia's Plumpton Aquatic and Leisure Centre, currently the company's largest global deployment

The Australian facility is targeting 5 Star Green Star certification, reflecting the increasing overlap between infrastructure delivery and sustainability performance frameworks.

### **A shift towards reference-led project growth**

For specialist infrastructure providers, municipal projects increasingly function as strategic reference sites rather than isolated contracts.

Each successful deployment strengthens:

- Technical credibility
- Regulatory confidence
- Procurement visibility in new markets

LiqTech appears to be building this deliberately; converting pilot-scale adoption into repeatable regional deployment through demonstrable project outcomes.

### **The growing role of advanced systems in public infrastructure**

What is notable is not simply the filtration technology itself, but the broader project implications.

Public infrastructure operators are becoming more willing to adopt specialised technologies where they can demonstrate:

- Lifecycle efficiency gains
- Reduced operational risk
- Sustainability alignment
- Integration flexibility

This creates opportunities for modular, high-performance systems that previously struggled to compete against established conventional infrastructure.

### **Project management becomes critical in technical infrastructure scaling**

As deployments grow in scale and geographic reach, project execution becomes as important as the underlying technology.

The challenge is no longer proving technical capability alone, but managing:

- Installation logistics
- Local engineering coordination
- Retrofit complexity
- Regulatory alignment
- Long-term operational support

In that context, LiqTech's growing pipeline suggests the commercial pool sector is evolving into a more sophisticated infrastructure market—one where delivery capability, partnership structure and operational performance increasingly determine project success.