

**Your Complete Solutions Provider
in Water, Wastewater and Bioresources**

Design • Build • Operate • Optimise

Glanua
For a cleaner planet



Water, Wastewater & Bioresource Solutions for a Cleaner Planet

Who we are

Glanua is an industry leader in delivering innovative and sustainable engineering solutions for the water, wastewater and bioresource sectors across Ireland, the UK and internationally. We design, build, operate and maintain critical infrastructure that protects public health, supports industrial growth and helps create a cleaner planet.

Headquartered in Loughrea, Co. Galway, Ireland with offices across the UK and Ireland, Glanua has successfully delivered projects across the UK, Ireland, Central Europe and the US.

Sustainability Leadership

We champion sustainable practices, including nature-based treatment, water reuse, anaerobic digestion, and bioresource recovery aligned with circular economy principles.

Our Mission

Our mission is to be our clients' most valued partner by delivering excellence in regulatory, sustainability and circular-economy solutions that support compliant and resilient ecosystems.

Glanua exists to be a leader in the water and wastewater industry by delivering technology-based engineering solutions that meet regulatory, sustainability and circular economy needs, ultimately creating a cleaner planet. This mission is supported by a culture of safety, collaboration, integrity, innovation, courage and agility along with diversity & inclusion and most importantly accountability, Glanua ensure delivery of outstanding operational outcomes while fostering a place where people, communities and industries flourish. Sustainability is central to everything Glanua does, we are champions of sustainable solutions, energy efficiency and circular economy principles.

Our Vision:

- For a cleaner planet.
- We aspire to lead the water and wastewater industry with creative, high-impact engineering solutions that drive sustainability, decarbonisation, and circular economic outcomes.

Our Values:

- Safety & Wellbeing
- Collaboration & Integrity
- Innovation & Courage
- Agility & Accountability
- Diversity & Inclusion

These guiding principles shape how we deliver value for our clients and communities.

Markets we serve

Glanua is a trusted partner to municipalities and blue-chip clients in the food & beverage and pharmaceutical sectors.

Delivering reliable water and wastewater infrastructure for critical operations and public services. We design, build, and operate high-performance treatment and water reuse solutions that meet stringent regulatory and sustainability standards, helping clients protect water resources while maintaining resilient, efficient facilities.



Municipal Water & Wastewater

Comprehensive infrastructure delivery solutions from early design through to long-term operations and maintenance across water utilities.



Industrial Water & Wastewater

Tailored, regulatory-compliant engineering solutions for food, beverage, pharmaceutical, life sciences and other industrial sectors.



Pharmaceutical

High-precision water and wastewater systems that meet stringent quality and compliance standards.



Bioresource & Renewable Energy Solutions

Including anaerobic digestion and biogas facilities that support energy recovery and circular resource management across the Industrial, Municipal and Agricultural sectors.

What sets us apart

- End-to-end accountability – full delivery across civil, process and MEICA from concept and design through to construction, commissioning, operation and optimisation
- Integrated delivery model – multidisciplinary in-house capability spanning engineering, fabrication, installation and process optimisation, reducing interfaces and delivery risk
- DfMA & manufacturing capability – modular, factory-built systems delivered from our facilities in Navan (Ireland), improving programme certainty, quality and safety
- Technology integration – combining proven treatment technologies (e.g. MBBR, MBR, UF, RO) into complete, site-specific solutions tailored to client requirements
- Water reuse & resource recovery – enabling reduced freshwater demand, lower discharge volumes and circular treatment solutions for industrial and municipal clients
- Operational excellence & optimisation – seamless transition from delivery to operation, with ongoing optimisation to improve performance and reduce energy, chemical and whole-life cost
- Rental & rapid deployment capability – Zero Downtime solutions providing temporary treatment, contingency support and fast-track deployment when clients need it most

Modular treatment solutions, rapid response Rental equipment from our portfolio of Zero Downtime Solutions.

Glanua's products serve a wide range of water and wastewater management needs, our complete, modular and proven treatment systems are designed for performance & sustainability and engineered for efficiency and reliability.



Integrated MEICA delivery

Glanua operates as a fully integrated MEICA delivery partner, with in-house capability spanning:

- Mechanical engineering and installation
- Electrical engineering and power systems
- Process engineering and optimisation
- ICA and automation integration
- PLC and SCADA systems design and integration
- Installation, commissioning and performance validation

From concept to installation

1. → 2. → 3. → 4. → 5. →

Concept

We generate and refine innovative water and wastewater technologies to address industry-specific problems and challenges, using feasibility studies, pilot trials and modelling to establish a clear vision.

Design

Our dedicated in-house design team will take our innovative designs along with customer briefs or requirements to develop bespoke engineering solutions.

Manufacture

With our in-house fabrication facility we can then take these solutions to progress to build stage of either trial units or full scale solutions.

Construct

Turnkey Solutions. Glanua delivers fully integrated civils and Construction. Working as a trusted partner and single point of accountability, we ensure seamless delivery on-time and on-budget for complex water infrastructure projects.

Install

Glanua's multi-disciplinary team of Mechanical, Electrical, Instrumentation, Control & Automation experts carry out the installation of our products to function as intended in their final location. We also offer ongoing operational support if required.

Our multidisciplinary teams work collaboratively from concept through commissioning, ensuring seamless integration between civil, mechanical, electrical and control elements. This reduces interface risk, enhances constructability and improves operational outcomes for our clients. Digital engineering tools, structured systems integration and rigorous testing protocols ensure that every installation is delivered safely, efficiently and in full compliance with regulatory and client standards.

Partner with us

Whether you are tackling compliance, wastewater challenges, improving sludge management or seeking innovative treatment technologies to optimise the operations in your industry, Glanua delivers safe, reliable and sustainable solutions.

For a cleaner planet



Glanua Municipal: Turn-key project solutions for the municipal water and wastewater industry.

Glanua offers comprehensive support including concept and detailed design through to construction, commissioning and long-term operation and maintenance. This full lifecycle capability is supported by Glanua's in-house manufacturing and fabrication facilities and fully stocked stores. Our agile maintenance experts ensuring responsive breakdown support and flexible rental services via Glanua's Zero Downtime Solutions.

Glanua emphasises agility, collaboration and reliability, earning the trust of leading utility partners in the municipal sector.





Partner with us

As part of its strategic growth, Glanua has integrated Aqua Operations and Marches Biogas, significantly expanding its service and technology reach. Aqua Operations brings specialist operations, maintenance, engineering and facilities management expertise for water, wastewater and renewable energy systems across the UK.

Our team of multi-skilled engineers supports a wide range of client needs. From on-site operations and maintenance to plant refurbishment, emergency response and new build capital projects.



Aqua Operations: Industrial O&M & Engineering Solutions

Aqua Operations brings specialist operations, maintenance, engineering and facilities management expertise for water, wastewater and renewable energy systems across the UK.

Aqua Operations is recognised for its partnership-focused approach, tailored solutions and commitment to sustainable practice.

This capability strengthens Glanua's industrial service offering, enabling clients to benefit from deep operational know-how combined with integrated engineering and project delivery.

Marches Biogas: Anaerobic Digestion Expertise

Marches Biogas specialises in anaerobic digestion (AD) and biogas plant design, construction, commissioning, optimisation and long-term support, addressing the growing demand for renewable energy and organic waste valorisation.

With decades of experience and a proven track record of delivering AD facilities across industrial, municipal and agricultural sectors, Marches Biogas offers end-to-end solutions that maximise biogas yields, enhance reliability and reduce operational risk.

Glanua's Turnkey Approach

At Glanua, we deliver end-to-end solutions for water and wastewater treatment. From defining the desired treatment outcomes to designing, implementing, and operating the right combination of technologies, we provide a fully integrated, turnkey service.

As pressures from water scarcity and sustainability grow, we continuously expand our expertise in advanced treatment technologies and practical water reuse solutions, enabling resource recovery, circular water reuse, and complete operational support. With Glanua, clients gain a single partner for the entire lifecycle of their water treatment project.

Municipal & Industrial Wastewater Treatment

We design and deliver complete treatment systems for municipal wastewater and industrial effluent. From primary screening through to biological treatment and final discharge. Our solutions are engineered to meet current and future compliance standards while optimising energy use and long-term reliability. These technologies are selected based on influent characteristics, footprint constraints, and performance targets to deliver reliable nutrient removal, solids reduction, and improved effluent quality.

Biological Treatment Solutions

We specialise in advanced biological treatment processes, including:

- MBBR (Moving Bed Biofilm Reactor)
- MBR (Membrane Bioreactor)
- IFAS (Integrated Fixed Film Activated Sludge)

Sludge Treatment & Dewatering

Effective sludge management is critical to plant performance. We provide engineered sludge treatment and dewatering solutions that minimise volumes, reduce disposal costs, and improve operational efficiency.

Industrial Effluent Treatment

For industrial clients, we deliver tailored effluent treatment and water reuse systems designed to meet regulatory limits and unlock site-specific reuse opportunities. Solutions may incorporate advanced separation and filtration technologies to maximise water recovery and reduce freshwater demand.

Water Reuse

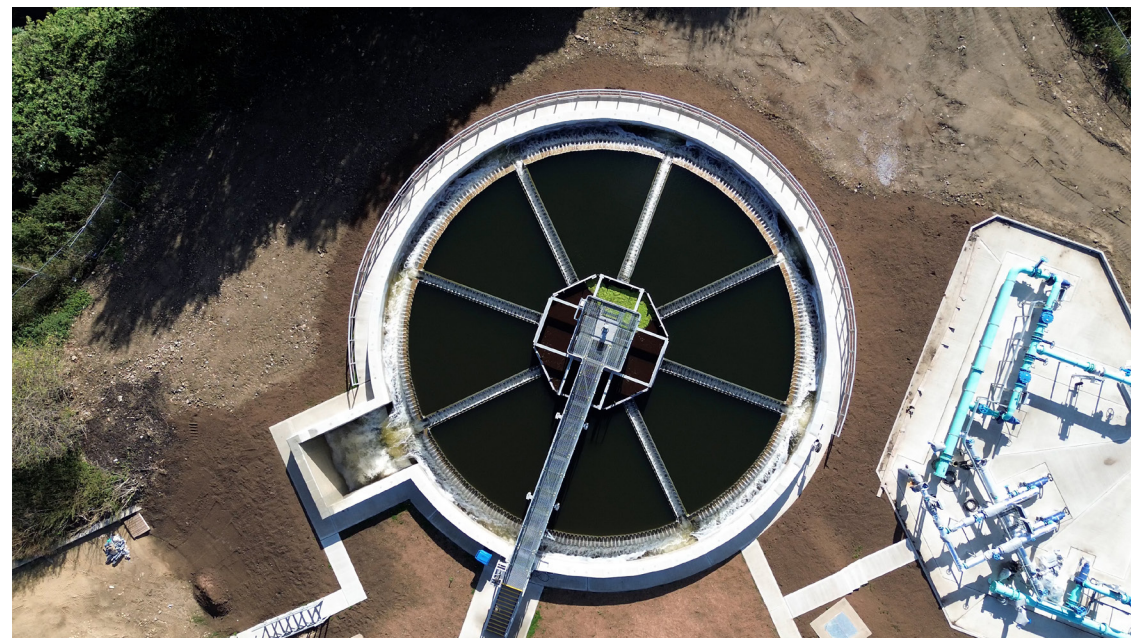
Glanua empowers industries and utilities to transform water into a sustainable, reusable resource. By integrating advanced treatment technologies such as reverse osmosis (RO) and ultrafiltration (UF) with our end-to-end design, construction, and operational expertise, we help clients minimise freshwater consumption, enhance environmental performance and advance circular economy goals.

Tertiary Polishing & Compliance Upgrades

Where stricter discharge standards apply, we implement tertiary polishing systems to elevate effluent quality. These may include advanced filtration, nutrient polishing, and disinfection processes to ensure consistent regulatory compliance.

Retrofit & Process Modernisation

Existing treatment plants can often be transformed to deliver greater capacity, improved performance, and enhanced efficiency. We specialise in retrofit and upgrade solutions that integrate with live assets while minimising operational disruption.



Our services



Corporate facts and figures

Founded: 1995 (rebranded 2023)

Headquarters: Loughrea, Co. Galway, Ireland

Manufacturing Facility: Navan, Co. Meath

Technical Hub: Lisbon, Portugal

Offices in the US and UK

Employees: 600+ engineers and specialists

Clients: 70+ international clients across utilities & industry



Our commitment as a complete solutions provider

At Glanua, we are dedicated to transforming water and wastewater infrastructure with technical excellence, environmental stewardship and innovative thinking to build a cleaner planet

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**Glanua, a complete solution
provider of water, wastewater
and bioresource innovations**

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