

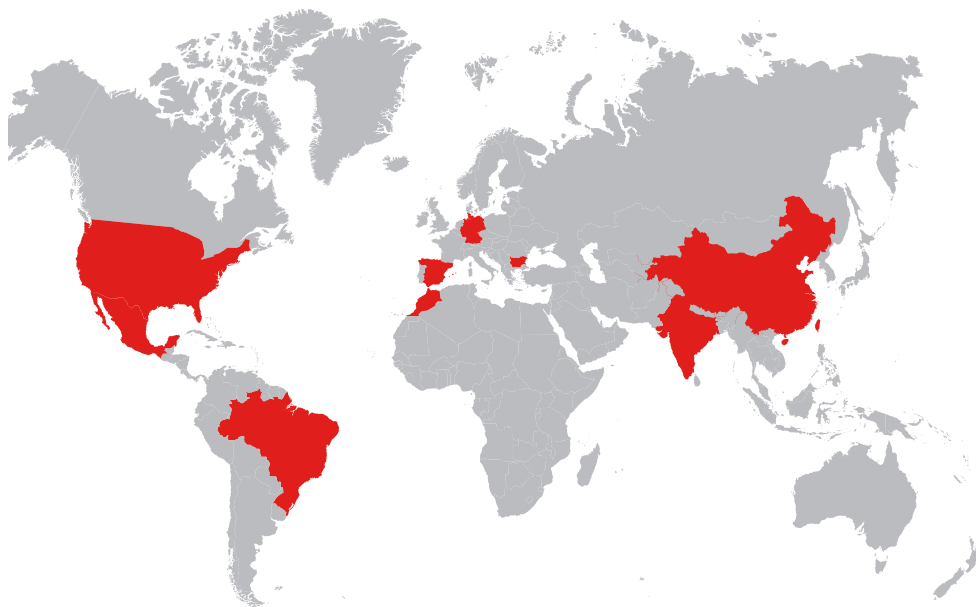


Corporate
Catalogue

Technological Innovation

Global Hydraulic Solutions

Thanks to more than 50 years of experience in the hydraulic industry, we have become a renowned company with the knowledge and know-how necessary to assist our clients in all their innovation challenges and adapt them to market needs. As a result, we have built solid and trusting partnerships with our clients.



+80 

Operating in more than 80 countries

8 

Production sites

+400 

Qualified professionals worldwide

Our Vision

We are committed to a business project that adds value, providing our clients and the people involved in the project with innovation, satisfaction, commitment, transparency, and an international approach.

Our Mission

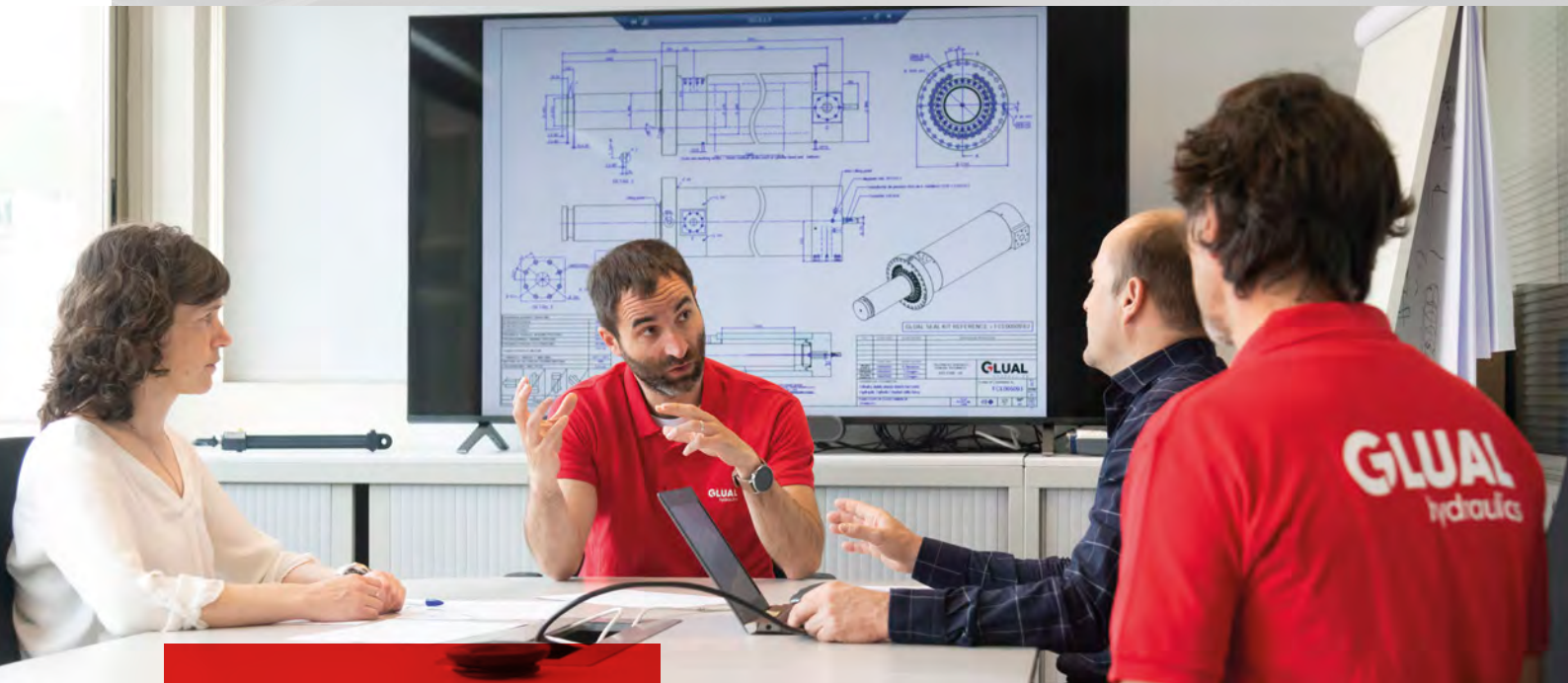
To provide products and services of the highest quality to the industrial sector in a sustainable manner, respecting the surroundings and the environment, whilst maintaining a high level of social responsibility in all the countries where we operate.



Over 50 years of manufacturing
hydraulic systems and components



Research & Development



Our research and development department analyses the requirements of each application to obtain the solutions that best suit each client and project. In addition to over 50 years of experience, we have a highly qualified team of engineers with expertise in 3D design, finite element calculations and hydraulic system simulations.

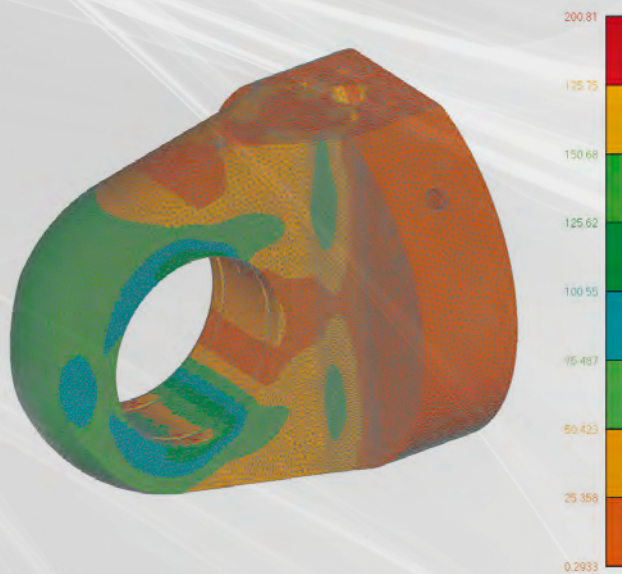


Test and validation centre

Glual Test Center is equipped with test benches and technical resources for the testing and validation of hydraulic systems under real operating conditions. We can test components and complete hydraulic systems, as well as the following tests:

- Full-scale fatigue tests
- Extreme load tests
- Sealing system life cycle tests
- Component wear tests
- Friction tests
- Rigidity tests
- Corrosion tests

GLUAL has in-house engineering to provide solutions to market needs, offering clients tailor-made solutions.



+ 40 years

Constantly innovating

+ 50

Engineers developing
ad-hock projects

Innovative solutions
for a market in constant
transformation



Our Products



Standard Cylinders

A full range of standard and ISO cylinders is internationally interchangeable with other brands, thanks to clearly defined mounting dimensions, installation lengths, piston rod ends and connection threads.

Special Cylinders

Based on our engineering and calculation know-how, bespoke design is tailored to client specifications. As a result, we provide long service life by combining high-quality components and a precise design.

Hydraulic Power Packs

A leading engineering and production unit for hydraulic power packs to meet all client requirements and standards. Depending on the client's needs, we can supply everything from simple equipment to fully automatic, turnkey hydraulic systems. Technical support during commissioning.





Hydraulic Blocks

We can provide a wide range of tailor-made solutions to meet clients' technical requirements. Hydraulic blocks are available as single elements or as complete valve stands.



Rotary Joints

Glual rotary joints are used to transfer oil (or other fluids) between fixed and rotating parts. Different sealing systems and technologies may be used depending on the fluid and working conditions.



Piston Accumulators

We manufacture piston accumulators per ASME and CE certificates. Surface quality, geometric accuracy and our optimised sealing system guarantee low wear, friction and piston accumulator leakage.



Automation & Electronics

We supply tailor-made industrial automation technology and electronic engineering. Glual's hydraulic systems feature individual control automation solutions to enable our clients to increase productivity, availability and operational reliability.





Presses

Our range of cylinders, hydraulic power packs and piston accumulators are adapted to the technical specifications of each type of press; hot/cold stamping, try-out presses, composites, foil, forming, multiplate, fibrecement ,...

We can also carry out auxiliary press movements such as hydraulic cushions or table exchange.



Hydro

We can supply servomotors, piston accumulators and hydraulic systems for turbines (Francis, Kaplan and Pelton), gates and grid cleaners.

Likewise, we can also supply cylinders for butterfly valves. In addition, our engineering department is specialised in calculations for this industry. Furthermore, to meet all the requirements of the Hydro industry, we can supply a wide range of materials and suitable painting process.

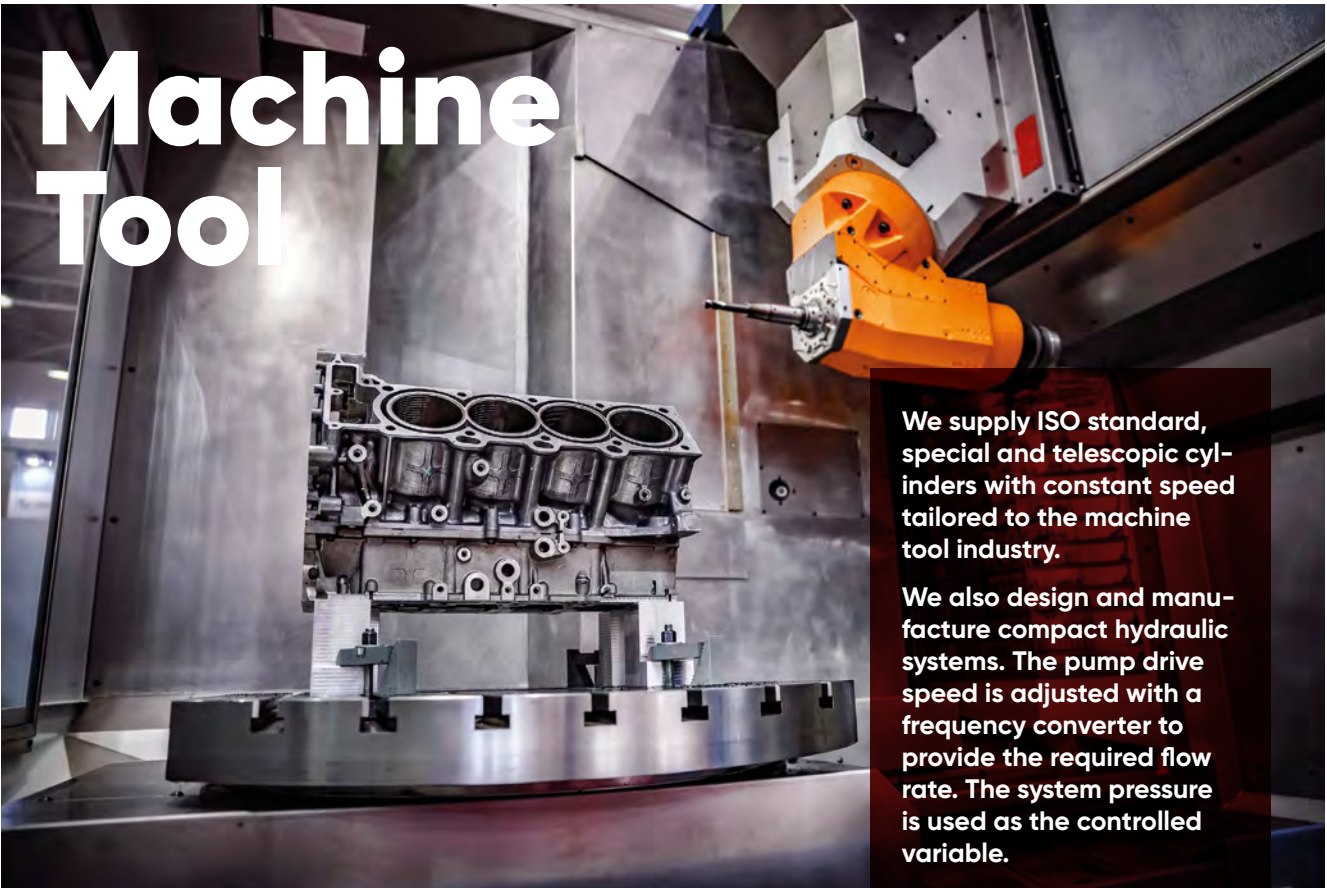


Iron and Steel Industry



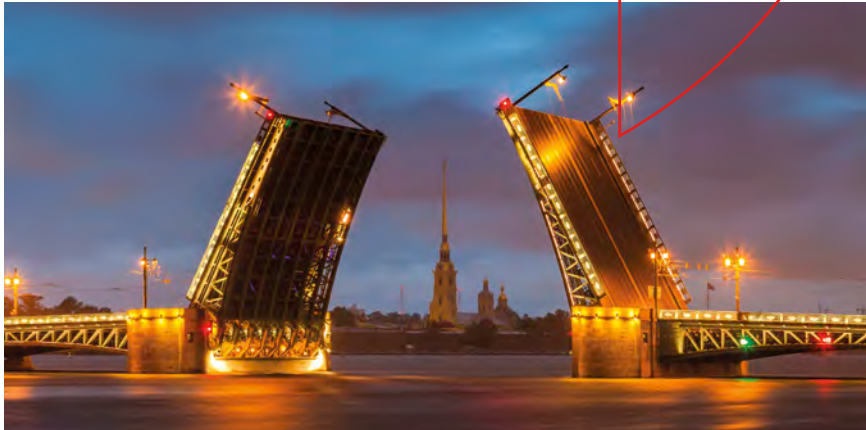
Whether it is a new system or an upgrade, standard or tailor-made solutions guarantee reliable production results and high levels of system availability. Additionally, an internationally experienced service technician is always available for commissioning and maintenance work. Thus, we can provide complete hydraulic systems, interconnection and commissioning of steel-making furnaces (EAF, LV, VD), continuous casting and rolling mills.

Machine Tool



We supply ISO standard, special and telescopic cylinders with constant speed tailored to the machine tool industry.

We also design and manufacture compact hydraulic systems. The pump drive speed is adjusted with a frequency converter to provide the required flow rate. The system pressure is used as the controlled variable.



Civil Engineering

Electronically controlled synchronised hydraulic systems for civil engineering works. Safety and quality are of great importance during the project planning process. All hydraulic components must demonstrate their reliability using extensive testing and final inspection.



Offshore / Marine

Our hydraulic cylinders and equipment are equipped with technologies adapted to extremely adverse marine conditions. Our products are delivered with the required certificates issued by qualified companies to provide all the necessary guarantees.



Mobile

Ranging from standard cylinders to telescopic cylinders with up to six stages. Our engineers have the right solutions for every application. Additionally, our hydraulic power packs are specifically tailored to the mobile industry. Rail vehicle stabilisation systems are also available.



Mining

The design and production of hydraulic cylinders and hydraulic power units for mining machines tailored to their wide variety of applications rounds off our portfolio in this industry.



Tunnel Boring Machines

We supply hydraulic cylinders, rotary joints and hydraulic power packs for tunnel boring machines. These products are all fitted to machines that endure the extreme conditions of the subterranean environment.



Oil & Gas

To meet our clients' needs, we provide complete hydraulic systems for oil & gas valve control and shut-off. We can also provide suspension and chain anchoring systems.



Test Benches

Our engineering department develops a wide variety of prototypes using the most state-of-the-art technologies in the machine and test bench industry. GLUAL supplies high-tech hydraulic control systems combined with cylinders working at high frequencies and pressures.





**Your Partner
in Hydraulics**

**Renewable
Energy**

Engineering Excellence and Performance

Based on more than three decades of experience, we supply hydraulic systems designed to optimise the efficiency and quality of wind turbines. We design, manufacture and test all parts and tailor-made solutions for each client. We carry out part servicing to ensure that the parts are operational throughout their service life. We enhance turbine capacities with hydraulic solutions to maximise the performance of our clients' production lines.





Over 30 years of experience
developing comprehensive
tailor-made solutions for
wind turbine manufacturers.



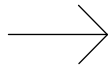
Wind



Solar

We at Glual have a great
capacity to respond to
future challenges in the
solar energy industry.

Technical Support and After Sales Service



01.

SPARE PARTS & COMPONENTS



We hold an extensive inventory of our products, as well as of leading brands, to guarantee that our clients receive a suitable spare part in a short delivery time and at an affordable cost when it comes to components such as cylinders, accumulators, rotary joints, blocks, valves, pumps, filtration systems, among other ancillary elements. Our highly qualified and experienced technical team can offer our clients solutions tailored to any requirement. We can provide components and hydraulic systems necessary to guarantee the useful life of the machines at maximum output.





Our technical support reinforces spare parts and components sales. We provide a repair service for cylinders and hydraulic power packs, guaranteeing client satisfaction. Our expert team is at our clients' service to identify and implement the best solution for their needs.

02.

REPAIRS & RECONDITIONING



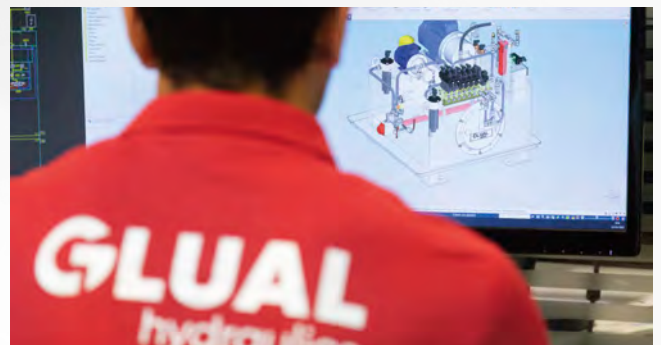
03.

RE-ENGINEERING



We at Glual want to be part of the shift towards a circular economy, and we understand that repair is an opportunity to extend the useful life of a product. Therefore, repairing hydraulic cylinders and refurbishing hydraulic components and systems is done according to the same quality and cleanliness criteria used during the normal manufacturing process, enabling us to offer a comprehensive guarantee. Additionally, state-of-the-art improvements are consistently applied, allowing us to further improve the performance of the repaired product compared to the new one.

Our R&D team develops and designs upgrades, improvements and retrofits to extend the service life of hydraulic equipment, improve performance, eliminate recurring breakdowns and facilitate maintenance. Employing reverse engineering, we work not only on equipment and systems manufactured by Glual, but also by third parties. Our prototype assembly area and test and validation benches ensure 100% reliable solutions for our clients.





50 years of experience

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