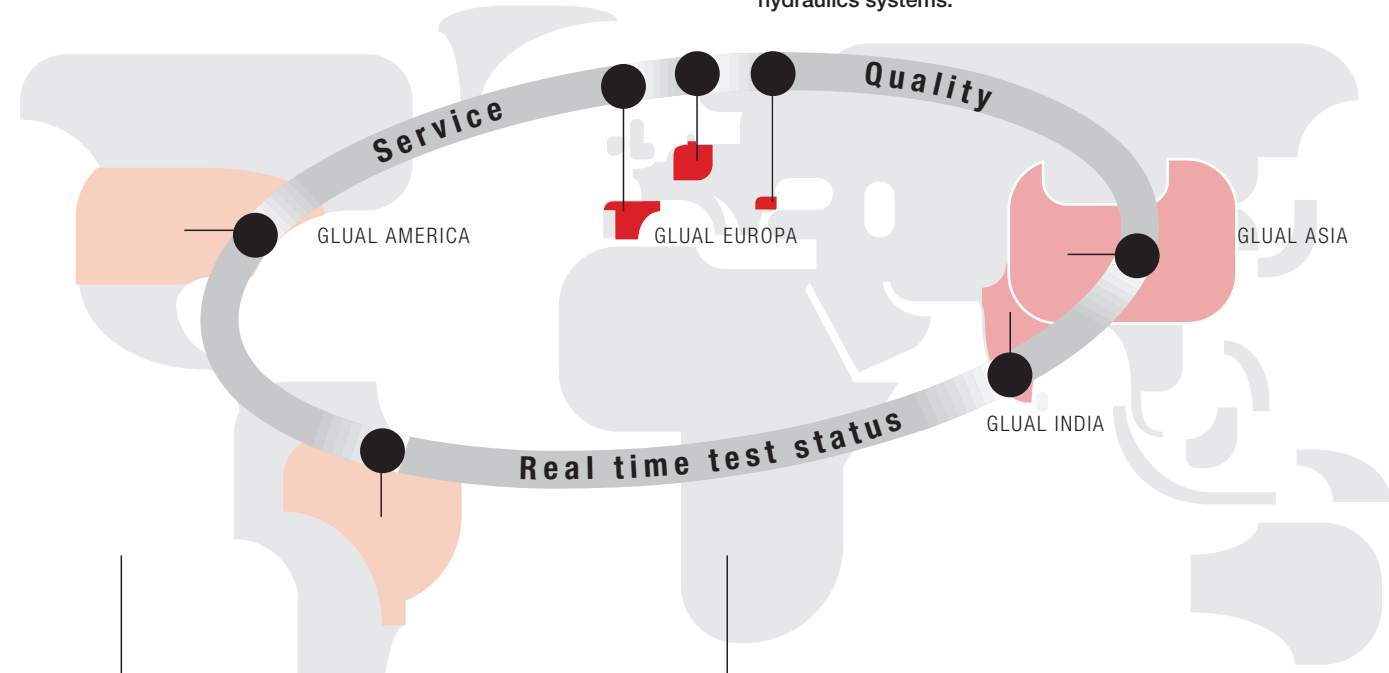


Solutions in hydraulics

THE GROUP

global coverage

As we are present in all the continents, we provide worldwide coverage to anything you may need for hydraulics systems.



R+D+i

TECHNOLOGY

GLUAL has a team of highly qualified and experienced engineers. We work with advanced design tools by graphical simulation of hydraulic drives and 2D/3D design. Our technical department in close collaboration with the technical office develops customer optimal solutions in hydraulic and electronic systems.

We invest every year in different R+D+i projects participating with companies and research centers to different markets and products.

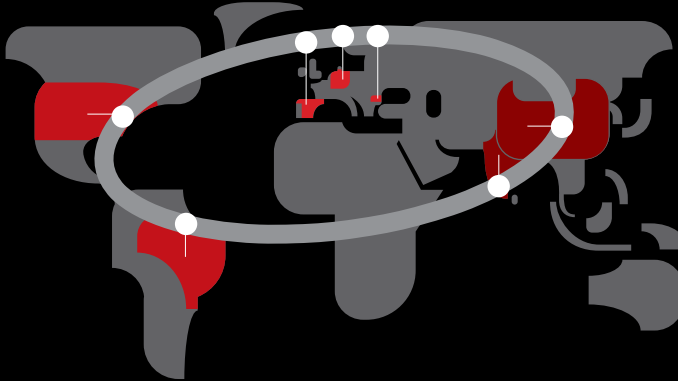
After-sales service

SERVICE

As we are high experienced in hydraulics, we are able to provide any kind of service, from start up of a complete hydraulic system to any individual hydraulic component repair and maintenance service.

GLUAL
HYDRAULICS

Your partner in hydraulic technologies



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A world of solutions in special cylinders

Special Cylinders
Customized | KG

GLUAL
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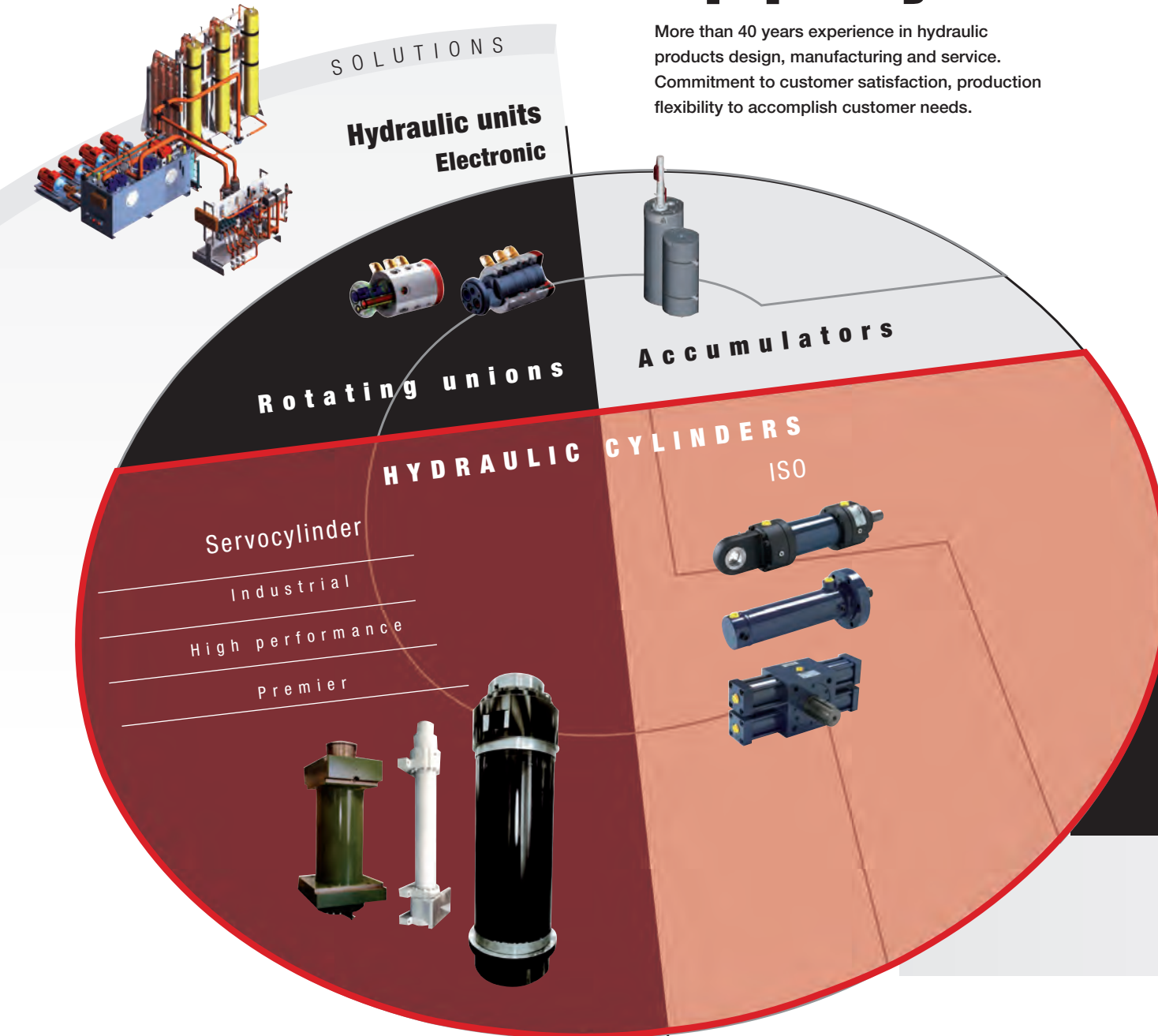
GLUAL
HYDRAULICS

A world of so

PRODUCTS

top quality

More than 40 years experience in hydraulic products design, manufacturing and service. Commitment to customer satisfaction, production flexibility to accomplish customer needs.



Customized | ISO

KG

Special cylinders



Earth moving machinery

GLUAL, with more than 40 years of experience designing and manufacturing hydraulic units and cylinders, is one of the leading companies providing industrial, marine, offshore and renewable energy hydraulics.

- Propel cylinders
- Crusher cylinders
- Gripper cylinders
- Rotary joints

KG

Special cylinders



Hydro power

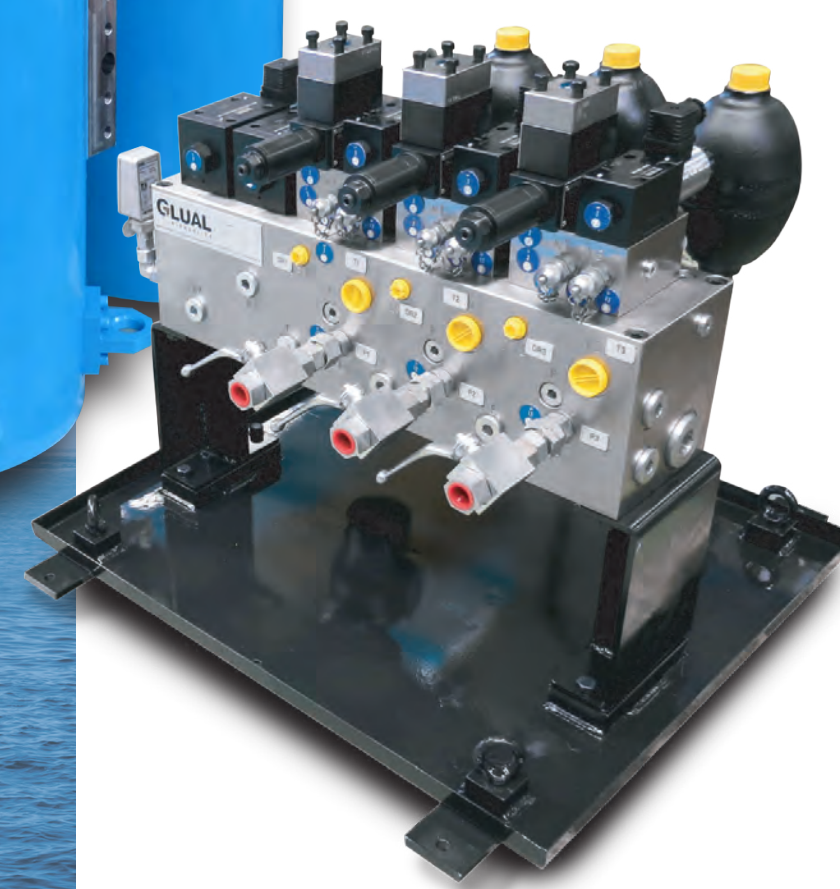
Dam gates and flap gates hydraulic cylinders and power Units.



Special cylinders

Off shore

Hydraulic cylinders for ship cranes and power Units.



KG



Special cylinders

Presses

- Press cylinders
- Central Plunger cylinder
- Clamping cylinder
- Hold-down cylinders
- Plate holder cylinders



KG

Technical Characteristics

Piston Rod material Base	Surface treatment		
Carbon steel	Cr, Ni/cr, ceramic, HVOF		
Alloyed steel	Cr, Ni/cr, ceramic, HVOF		
Stainless steel	Cr, Ni/cr		
Housing	w/o chroming		

Speeds	Pressures	Temperatures	Fluids
From 0,0005 to 1 m/s	From 0 to 500 Bar	- 40C to + 200C	Mineral, water based, phosphate ester

Mechanical or hydraulic locking system
Internal & external position transducer

Production capabilities	
Weight	Dimensions
Until 60 Tn	Until Bore diameter 1000 mm and 16000 mm long