



**ENERGY DIVISION**

**HYDRAULICS AND COOLING**





# About us

At Fluitechnik, S.A., we are passionate about delivering innovative solutions that empower businesses to thrive in an ever-changing world. Founded in 1990, we specialize in **hydraulic and cooling systems**, providing high-quality products and services designed to meet the unique needs of our customers.

Our mission is to combine cutting-edge technology with unparalleled customer service, creating a seamless experience that drives success. We tailor our solutions to fit your specific goals, ensuring maximum impact and efficiency.



# Location



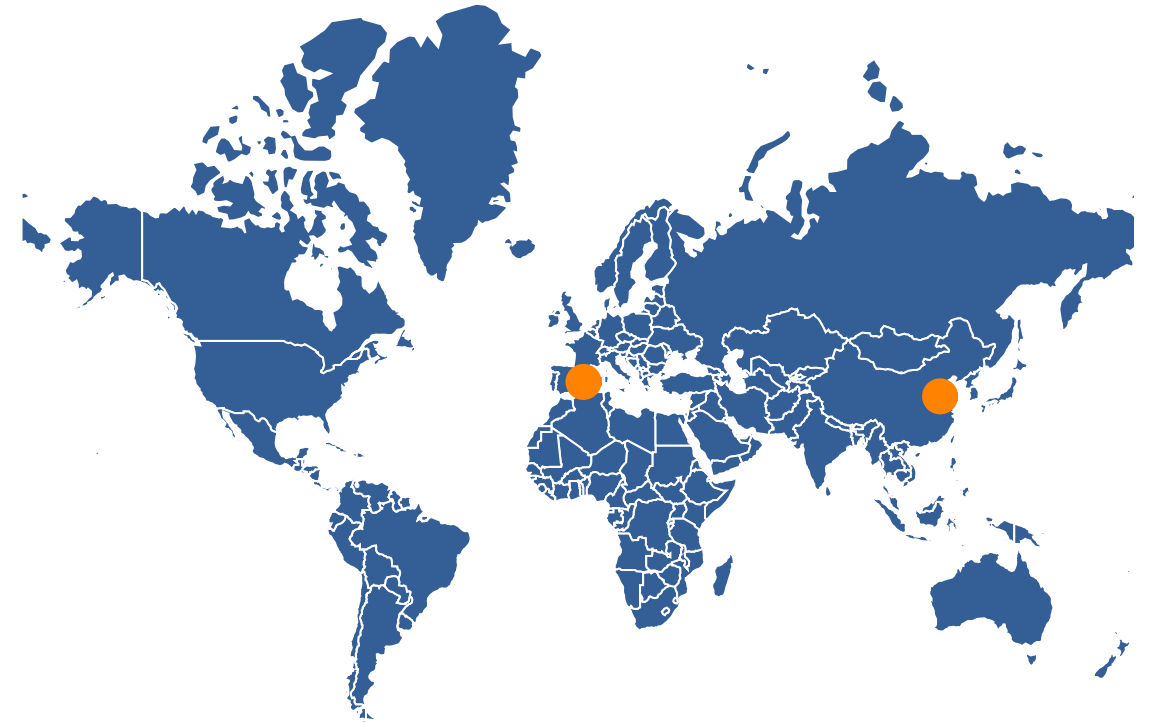
## Orcoyen (Navarra)

Polígono Industrial Comarca I  
Calle G, Parcela D30  
31160 Orcoyen



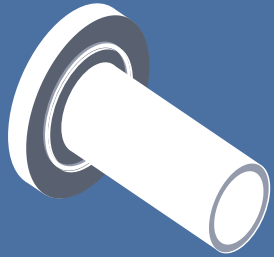
## Tianjin

Teda, Tianjin 300457  
P.R. China





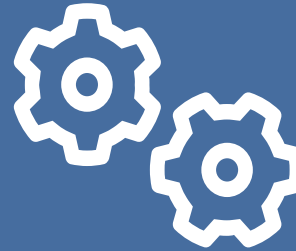
# Products



**Hydraulics**



**Cooling**



**Lubrication**



**Heat  
exchanger**

# Hydraulic control system

- Pitch control & Yaw brake power packs
- Pitch cylinder
- Piston accumulators
- Pitch manifold
- Rotor and Blade lock actuators



# Cooling system

For Gearbox, Generator, Converter and Trafo.

- Water & Oil coolers
- Active & Passiver solutions
- Radial & Axial motorfans
- Gearbox motorpump
- Gearbox manifold
- Water pump station
- Expansion tank

# Lubrication

- Manifolds
- Coolers
- On/offline filtering
- Oil Motor pump

# Heat Exchanger



- Water & Oil to Air
- Plate heat exchanger
- Safety heat exchanger
- Active & Passive solutions



# Service

**1** SPARE PARTS & CONSUMABLES

**2** SPECIAL TOOLING

**3** REPAIR & MAINTENANCE

**4** RETROFITS & UPGRADES

# Spare parts

## TECHNOLOGY:

GAMESA, SGRE, SIEMENS, VESTAS, AWP

## PLATFORMS:

### Onshore

- G5X, G8X, G9X, G114
- SG 2.7-129, SG2.9-129
- SG3.X (STD, HT, VHT), SG4.X, SG5.X
- D3
- AW1500 AW3000
- V52, V80

### Offshore

- SG11, SG14
- D8

+ more...



# Special tooling

## Maintenance on site

- Portable N2 charger
- Portable oil filling tools (gearbox, powerpack)
- Offline filtering
- Grease pump stations

## Construction, Lifting

- Hub, Generator, Nacelle lifting tool
- Rotor rotation

## Plant Assembly

- Accumulator N2 charger
- Oil filling tools (gearbox, powerpack)
- Fill/Empty Purge water-glycol tool





# Repair & Maintenance

We also diagnose and evaluate component condition through data acquisition by our specialists.

We have the knowledge to ensure the best possible solution for handling repairs to your hydraulic systems and components such as:

- Coolers
- Gearbox Manifold block
- Measure devices
- Electronic boards
- Cylinders
- Piston & bladder accumulators
- Oil & water pumps
- Main shaft hydraulic rings
- Others (thermostatic valves,

# Retrofits & Upgrades

Developed with success:

## **AW1500**

- Filter in the pressure line.
- Pitch cylinder drain to tank.
- Repair kit for cylinders.

## **AW3000**

- Automatic lubrication system for main bearing, blade bearing and yaw.

## **G8/G9**

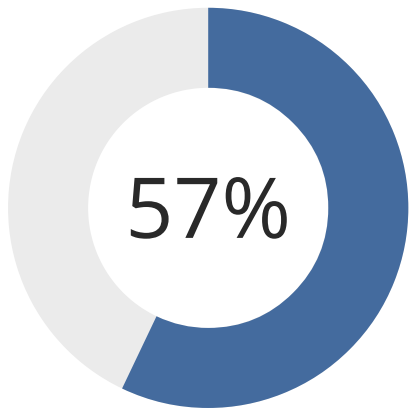
- Repair kit for cylinders
- Pitch cylinder sectioned front end

## **Multibrand**

- Obsolete or high runner component substitution.
- Design and validation

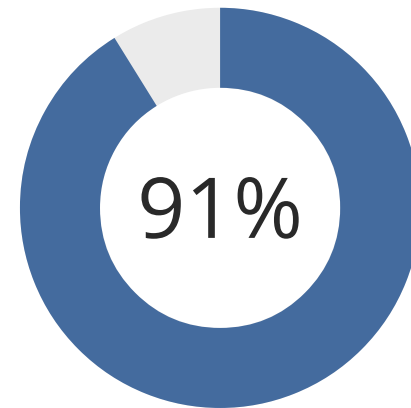


# Data



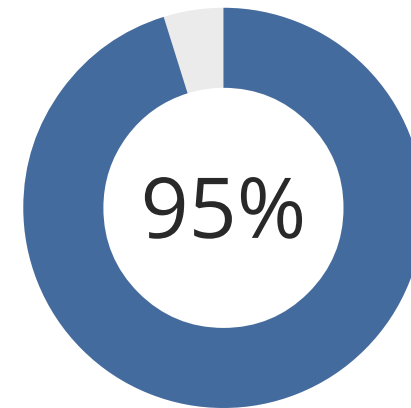
## Growth in turnover

Increase in invoicing  
from last 3 years



## Service Level

Deliveries on time



## After-sales service

Customer satisfaction



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