





 **OFFSHORE**

Oil & Gas Industry and  
Renewable Energy



[www.pronal.com](http://www.pronal.com)

 **PRONAL**  
Elastomer Engineering 

Many EPC & EPCI contractors around the globe have already trusted our engineering abilities to design appropriate technical solutions.

**PRONAL** products have been used on many Offshore projects in North Sea, Adriatic Sea, West Africa, Gulf of Mexico and in South East region.

**PRONAL** has a long and successful history in Offshore projects for more than 30 years.

## OUR MISSION

Deliver reliable custom made solutions for the Offshore industry.

## OUR VALUES

- Reliability
- Reactivity
- Proximity
- Ingenuity
- Security
- Service

## OUR COMMITMENT TO QUALITY

- Certified ISO 9001: 2008 (ISO 14001: 2014)
- Team members certified BOEIST

*List of Offshore references available upon request.*

## WORLDWILDE PROJECTS...

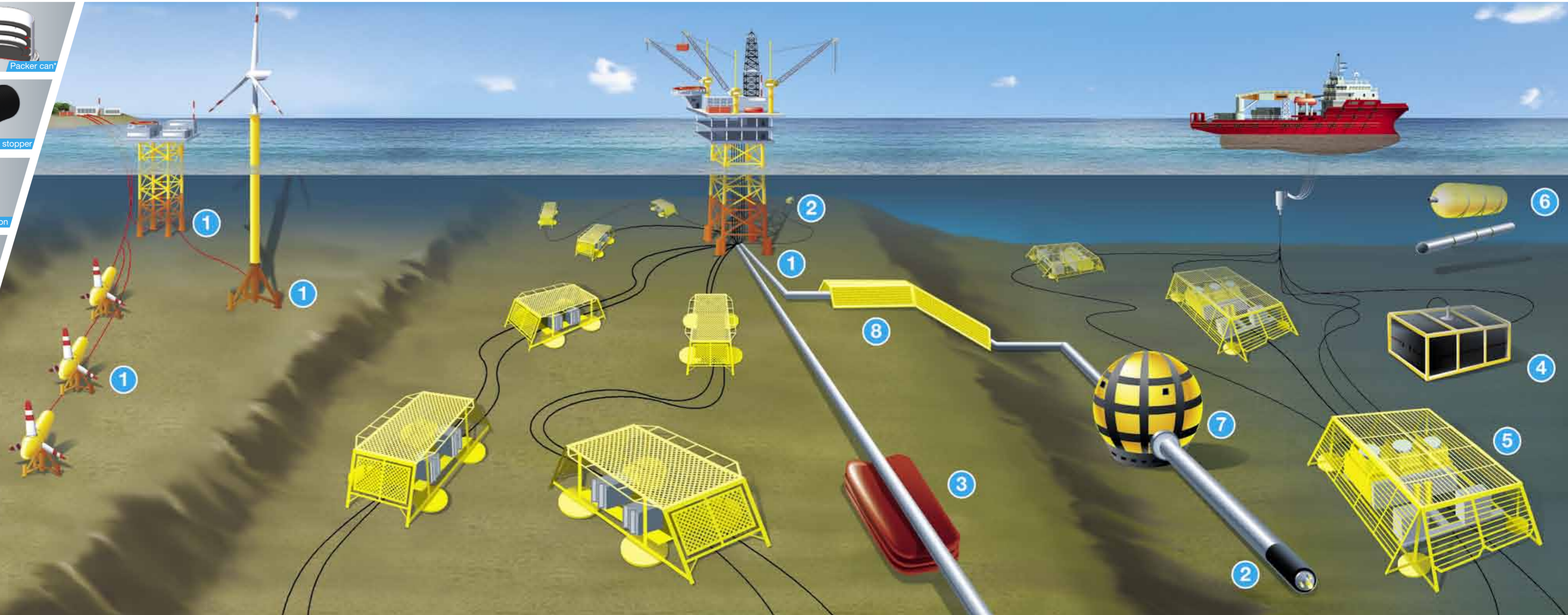




# Offshore product range for Oil & Gas and Renewable Energy

## SERVING DIFFERENT OFFSHORE APPLICATIONS:

- Installation of Offshore structure
- Subsea Maintenance Operations
- Pipe Support & protection
- Salvage & de-commissioning operations
- Subsea Storage Units for deepwater operations



### Installation of Offshore structures

Buoyancy equipment for jacket installation:

- Diaphragm Closure
- Rip-out Diaphragm
- High Pressure Plug/Stopper

\*Equipment for grouting operations for fixed platforms:

- Mud Wiper
- Grout Seal (Passive seal)
- Grout Packer (Inflatable system)

### Subsea Maintenance Operations

Subsea hyperbaric welding operations:

- Stoppers (High Pressure range)
- Flexible doors to equip underwater rigid habitat

Repairs on damaged caisson, due to corrosion in splash zone:

- Overlap seal
- Stopper (low pressure stopper)

### Pipe support & protection

Underwater pipe lifting cushions for freespan correction and pipe jacking.

Support mattress or protection structures in composite material for deepwater operations.

### Salvage & de-commissioning operations

Handling pipe sections underwater with stoppers.

De-commissioning of old structures using lifting parachutes, underwater lifters and stoppers.

### Flexible tank for subsea storage

Flexible tank in subsea skid to inject fluids into subsea equipment.

Compensator for SSU (Subsea Storage Unit).



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