

Our Company offers design, engineering, manufacture and testing of packaged systems, all tailor-made to meet specific client requirements.

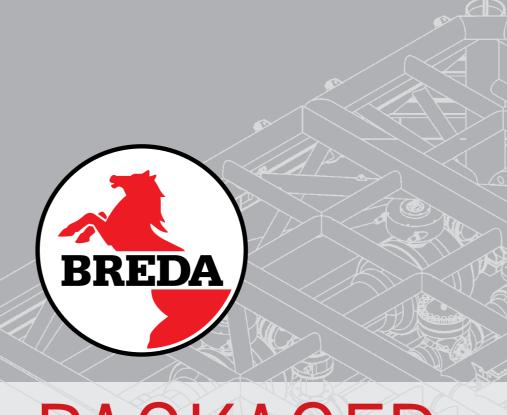
Our products are delivered as one ready-for-use unit and can be rapidly installed on job site.

Modularization of process packages allows easy installation, start-up and commissioning:

- Reduction of time required for fabricating the unit directly at site.
- Manufacturing of various skids & modules on several production lines or in different locations.
- Weight reduction of the installable components by breaking it down into lighter parts.

### BREDA ENERGIA S.p.A.

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# PACKAGED SYSTEMS



## **PACKAGED SYSTEMS** OFF-SHORE & SUBSEA

#### SSIV Systems

- Protection structures
- Safety isolation valves
- Control systems
- TUTUs, SUTHs, Umbilicals

#### PipeLine End Manifolds (PLEMs)

• Temporary Pig Launchers & Receivers

#### Top Side Equipment

- Manifold
- Injection Packages
- Metering

## PACKAGED SYSTEMS ON-SHORE

#### Production equipment

• Production, injection & test manifolds

#### Pipeline Terminal Equipment

- Metering
- Analyzer
- Launching/receiving pig traps

#### Utility Skids

- Water treatment/ filtration units
- Pipe valve skids
- Pressure reducing skids
- Pumping skids
- Utility gas skids
- Instrument skids

#### Chemical and Additive Skids

Chemical injection skids

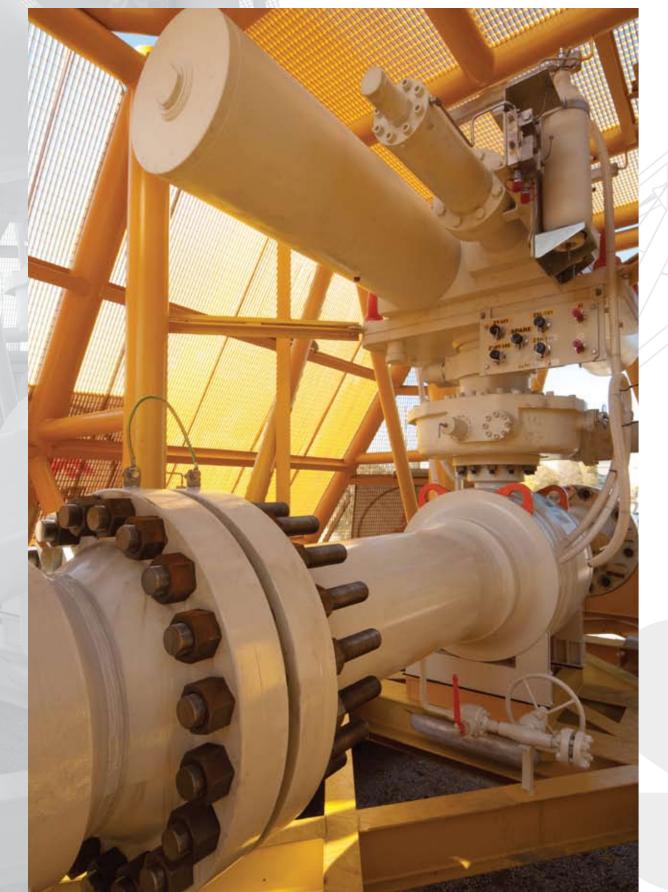






# PACKAGED SYSTEMS SUBSEA

SSIV Station - 24" Hydraulically Actuated Ball Valve TUNA Gas Gathering PLEM and SSIV System Project (Egypt) - PETROBEL





SSIV Station with Protection Structure TUNA Gas Gathering PLEM and SSIV System Project (Egypt) - PETROBEL

SSIV Control System - Topside Umbilical Terminal Unit (TUTU) c/w Hydraulic Power Unit TUNA Gas Gathering PLEM and SSIV System Project (Egypt) - PETROBEL







Deployment of PLEM to sea-bed TUNA Development Project (Egypt) - PETROBEL

#### Platform Production Manifold LSP-1 Project (Astrakhan) - LUKOIL

Hydraulic supply



#### SSIV System SEMMAN Gas Development Project (Egypt) - PETROBEL





# PACKAGED SYSTEMS ON-SHORE

Gas Pressure Reducing Station Karachaganak - Uralsk Gas Pipeline Project (Kazakhstan) KPO



Wellhead Control and Methanol Injection Skid South and North Gas Exploration Project (Syria) STG Engineering Russia

