

Subsea Emergency Release System

Emergency release systems are critical safety devices for rapid disconnection of subsea infrastructure. They are used in offshore oil and gas to quickly disconnect risers and umbilicals from offshore platforms during hazardous events.



Overview

Subsea Emergency Release System

The Subsea Emergency Release System is a critical safety mechanism engineered for the rapid disconnection and separation of subsea infrastructure during hazardous events. Designed for offshore oil and gas operations, it facilitates the immediate detachment of risers, umbilicals, and associated equipment from floating production storage and offloading (FPSO) vessels. This system prioritizes operational safety, environmental protection, and asset integrity by enabling reliable separation under high pressure and tension.

Technical Capabilities

System Components

- Hydraulic actuators
- Control systems
- Specialized connectors

Primary Function

Rapid disconnection and separation of subsea infrastructure

Operational Performance

Activation

Remote activation

Operational Conditions

High Pressure, High Tension, Emergency Situations

Applications

Primary Industries

Offshore Oil & Gas • FPSO Operations

Safety Benefits

- Minimizes environmental impact
- Prevents damage to subsea assets
- Reliable separation during hazardous events