Our ESD systems are designed to customer requirements, to minimize the consequences of emergency situations.

**CUSTOMIZATION**

One of Offshore Systems’ main specialties is customization. Our ESD systems are designed to customer requirements, to minimize the consequences of emergency situations, related to typically uncontrolled flooding, escape of hydrocarbons, or outbreak of fire in hydrocarbon carrying areas or areas which may otherwise be hazardous.

**TYPICAL ACTIONS FROM AN ESD**

- Shutdown of part systems and equipment
- Isolate hydrocarbon inventories
- Isolate electrical equipment
- Alert Personnel
- Prevent escalation of events
- Stop hydrocarbon flow
- Depressurize/blow down
- Emergency ventilation control
- Close watertight doors and fire doors.
Since ESD System is built on the same control platform as the Process Automation System, you can address your process control and functional safety needs with a common control platform. The process shutdown system (PSD) ensure a rapid detection and safe handling of process upsets. Typical actions from PSD systems are shutdown the whole process, shutdown parts of the process and depressurize/blowdown parts of the process. Our experienced engineers have in-depth understanding of the interaction between ESD and PSD systems. We have experienced engineers and technicians that can set up, install and commission the ESD/PSD system. Our solutions can also do full integration with any rig system.

**OBJECTIVES OF A SHUTDOWN**
- Protection of life
- Protection of plant equipment
- Avoidance of environmental pollution
- Maximizing plant production i.e avoiding unnecessary shutdowns

**COMMON CONTROL PLATFORM**
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**KEY FEATURES**
- Customized
- PLC/HMI
- SIL 2 or 3
- Safe shutdown
- Increased safety
- User friendly control interface

**ABOUT OFFSHORE SYSTEMS**
Offshore Systems take great pride in offering the best products and custom solutions within automation-, process-, electrical- and mechanical disciplines.

**EMERGENCY SHUTDOWN SYSTEMS**
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**HVAC AND DAMPER CONTROL**

**DISASTER PREVENTION**

**SWITCHBOARD INTERFACE**

**PROCESS SHUTDOWN**