

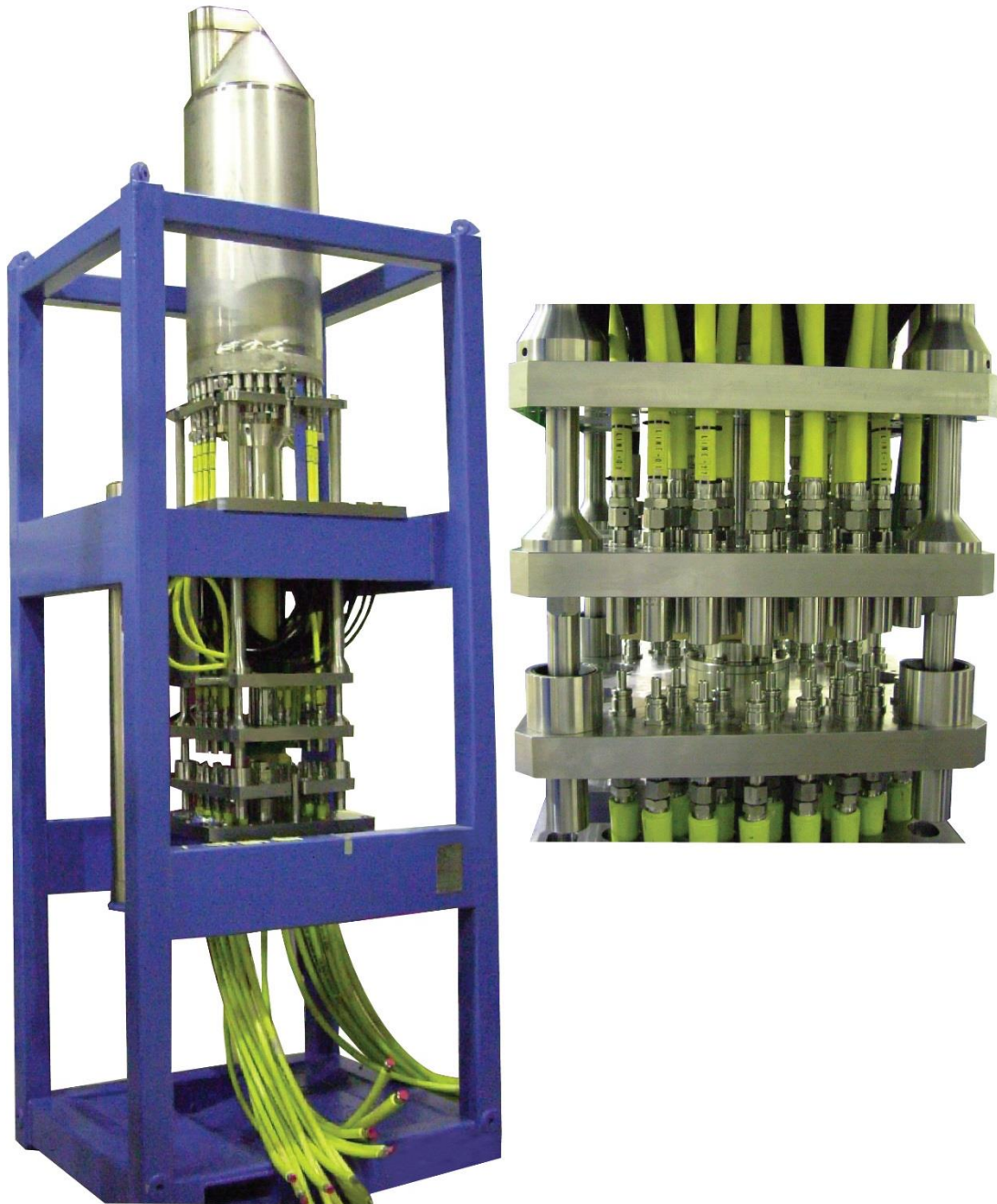
# MSCM SUPPORTING THE OIL & GAS INDUSTRY

MANUFACTURER OF SUBSEA PRODUCTS FOR THE  
OIL AND GAS INDUSTRY WORLDWIDE

## HYDRAULIC / ELECTRICAL EQDU



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SUPPORTING THE OIL AND GAS INDUSTRY

# HYDRAULIC / ELECTRICAL EMERGENCY QUICK DISCONNECT UNIT (EQDU)

## FULL PRODUCT SPECIFICATION

This unit is comprised of an electro-hydraulic stabplate assembly. The male fixed plate is mounted to the interface between the B.O.P & EDP/LMRP. The fixed plate is populated with male hydraulic couplers and electrical connectors, in addition the plate is equipped with offset & angular misalignment mechanism and coarse and fine alignment.

The free plate is mounted to the breakaway structure or EDP/LMRP unit and populated with female hydraulic couplings and electrical connectors which are connected to the work over umbilical and cables respectively.

The emergency disconnect package is designed to operate from the vessel via a hydraulic cylinder. The plate design incorporates primary (coarse) guidance achieved through the interface to the structure followed with primary (fine) guidance which is designed into the stabplate assembly ensuring fine alignment prior to coupling engagement and locking.

## DESIGN FEATURES

- 🔧 Specified to suit exact system requirements
- 🔧 Designed to operate with couplings pressurised or de-pressurised
- 🔧 Designed to accommodate up to 7.5° angular, 2.5° rotational & 33mm x/y axis misalignment
- 🔧 Designed with connections to facilitate ROV hot stab intervention override
- 🔧 Full project list available on request

GENERAL	
Hydraulic Cylinder	APH
Check Valve	LEE
System Pressure (MWP)	Up to 15,000psi
Coupling Population	Up to 30
Electrical Connectors	Various
Fibre Optic Connectors	Various
Power Connectors	Various

MATERIALS	
Stabplates	UNS S31803
Couplings	Nitronic 50 HS

WEIGHT & DIMENSIONS	
Female Stabplate (typical)	587kg
Male Stabplate (typical)	342kg

