

OIL AND GAS PROJECTS REFERENCE LIST

ProTek™ Fire and Blast Enclosures for ESDV/Actuator and Riser Hang-off Protection



- UK** Bruce, Claymore, Excalibur, Hewett, Judy, Jade, Janice, Morecambe Bay, Lancelot, LOGGS, Penguin, Tiffany, Grangemouth and Sullom Voe.
- Norway** Snøhvit, Ormen Lange, Åsgard A and B, Ekofisk, Jotun, Norne, Ringhorne, Sleipner, Statfjord and Troll (Kollsnes)
- Worldwide** ADNOC (Singapore), Woodside Laminara (Australia) and TAPTI (India)

ProTek™ Fire and Blast Walls and Cladding



- UK** Hyde, Claymore and Tartan
- Norway** Ekofisk, Eldfisk and Statfjord

ProTek™ Alternative Applications



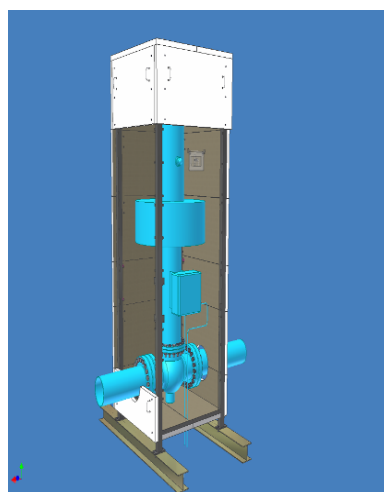
- UK** SBV Protection BHP Liverpool Bay
Vessel PFP protection for Shell Galley
Lightweight PFP escape hatch for Texaco Tartan
Modular Tank for Phillips Hewett
Platform signs for Elf Claymore
Blow-out panels for Shell Brent
Pipe wrap repairs for AH001, Tiffany and Forties
- Worldwide** Riser PFP protection for Shell Brunei AMRP
Valve housings for Mokveld

ENCLOSURES

Date	Client	Project
2008	AKOP	StatoilHydro Norne ESDV/Actuator and riser hang-off fire and blast protection enclosure
2007	Aker Kvaerner	StatoilHydro Ormen Lange Accumulator Enclosures for Blow Down System
2007	Kaefer /AKOP	StatoilHydro Statfjord B ESDV and Actuator PFP Enclosure
2006	Kaefer IKM	Statoil Statfjord B Steelwork Protection Cladding
2005	Aker Stord	Statoil Snøhvit Hammerfest LNG plant ESDV and actuator fire and blast protection
2005	Aker Reinertsen	Statoil Norne ESDV/Actuator and riser hang-off fire and blast protection enclosure
2004	AGIP/Mokveld	Valve Passive Fire Protection enclosures
2003	ABB Offshore/Vetco Aibel	Jet fire and blast enclosure for Sleipner riser ESDV control system
2003	Conoco	36" LOGGS ESDV enclosure modifications
2003	Esso	Riser hang-off jet fire/blast protection covers for Ringhorne Jurassic on JOTUN
2002	Shell	Brent Penguin riser hang-off jet fire cover
2002	Amec	Passive Fire Protection of ESDVs on Phillips Judy/Jade
2001	Hitec	Passive fire protection enclosure for ESDV actuator control system for Ekofisk II
2000	Esso	Modification of ESDV jet fire protection systems for JOTUN FPSO
1999	Woodside	Design and manufacture of riser hang-off, ESDV and riser spool jet fire/blast protection systems for LAMINARIA FPSO
1999	Mokveld	Design and manufacture of fire and blast protection Enclosure for ESD Valve and Actuator for ADNOC
1999	Halliburton/Statoil	Manufacture and supply Riser Hang-off and ESDV jet fire /blast protection for NORNE gas export
1999	Esso	Design and manufacture of riser hang-off and ESDV jet fire /blast protection systems for JOTUN FPSO
1999	Technip-Coflexip Stena	Design manufacture and supply of riser hang-off passive jet fire protection enclosures for the Åsgard B project
1998	Aker Maritime – Statoil	Design manufacture and supply of riser hang-off and ESDV/Actuator jet fire protection enclosures for Åsgard A project
1998	Baker Hughes	Pressure Vessel insulation and jet fire protection for GALLEY development

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1998	Mokveld	Design and manufacture of fire and blast protection enclosure for water deluge valve on LAMINARIA
1998	Phillips	Supply of ESDV fire and blast protection for JANICE
1998	Phillips	ESDV and actuator fire and blast protection for EXCALIBUR and LANCELOT
1997	Hitec	Design and manufacture of fire and blast resisting enclosures for EKOFISK II Platform for Phillips Norway
1997	Kvaerner	Supply of ESDV and actuator jet fire/blast protection enclosures on BRUCE II
1996	BP Exploration	Offshore modification of fire and blast resistant enclosures on BRUCE Platform
1995	BP Exploration	Detail design, supply and installation of four actuator and two accumulator skid jet fire protection enclosures for SULLOM VOE Oil Terminal
1995	Norske Shell	Design, manufacture and supply of 48 deluge skid protection Norfass (Norway) Enclosures for TROLL Onshore Phase I Kollsnes
1995	Elf/Aker Offshore	Detail design, manufacture and supply of lightweight ESDV protection enclosures for TCP-2
1995	Norske Shell	Detail design, manufacture, supply and installation of 66 EBV and 48 Aker Kellogg associated accumulator enclosures for TROLL Onshore Phase I Kollsnes
1994	Phillips	Design and manufacture of three Temporary Safe Refuges to provide jet fire, blast and ballistic protection for three HEWETT Platforms
1994	BP	Detail design, manufacture and installation of blast and fire protection system for 30" and 36" ESD valves at GRANGEMOUTH for BP Oil
1993	Mobil	Detail design and supply of ESDV fire and blast protection enclosures on EXCALIBUR
1992	BP	Design and supply of 45-off fire and blast resistant Enclosures for the protection of shut-down equipment on BRUCE
1992	Conoco	Design and supply of large fire, blast and impact resistant enclosures for 36 ins dia ESD valves on LOGGS



SUBSEA

2001	Stolt Offshore	Manufacture and supply of composite riser clips for FOINAVEN flexible riser system
2000	Subsea Offshore/BP	Development, testing and supply of electrically conductive resin for repair of sub-sea anodes
1999	BP/Amoco	Development and testing of subsea composite clamps for FOINAVEN Riser repair
1999	2H Offshore	Design and manufacture of composite material data pods for ultra deep water riser system instrumentation
1999	AMG/Elf	Design, develop and manufacture of structural composite components for GIRASSOL deep water risers
1998	McDermott/BP	Design, development and construction of subsea composite clamp for FOINAVEN Riser repair
1998	McDermott/BP	Technical audit and review of FOINAVEN Riser repair using composite clamps
1998	McDermott/BP	Design and fabrication of subsea composite clips
1998	Subsea Offshore	Development, supply and injection of high strength subsea grout for docking pile on MALORY project
1996	BHP Petroleum	Modification to SSBV dropped object protection enclosure (Liverpool Bay)
1996	Fuel Subsea	Design, develop, manufacture and test composite umbilical arm
1994	Hamilton	Design development of subsea dropped object protection Enclosures Brown & Root for LIVERPOOL BAY
1994	BHP Petroleum	Manufacture, system test and deliver four SSBV dropped object protection Enclosures for LIVERPOOL BAY



FIRE & BLAST / WALLS & CLADDING

2001	Ekofisk Alliance	Manufacture and supply of fire protection panels for Phillips Norway Eldfisk 2/7
2000	Enron India	Design, manufacture and installation of passive jet fire protection for ESDV actuators and escapeway/lifeboat muster area for the South Tapti gas platform offshore Bombay
1999	Phillips Norway	Retrofit fire and blast protection for EKOFISK B11 platform
1999	Phillips Norway	Design and manufacture of A60 stair tower cladding for EKOFISK B11 platform
1996	Elf Enterprise	Detail design and manufacture H60 bulkhead fire protection on CLAYMORE 'A' Platform
1993	Phillips (Norway)	Manufacture and supply of H60 fire protection panels for escapeway on EKOFISK
1993	Elf Enterprise	Manufacture and supply of radiant heat protection panels for CLAYMORE
1993	Phillips (Norway)	Design, development and supply of special H60 fire and blast panels for EKOFISK Control Centre refurbishment
1993	BP	Design and supply of fire protection panels on HYDE
1993	Texaco	Design, development and supply of lightweight jet fire and 1.0 bar blast wall for TARTAN ALPHA



PIPE PROTECTION & REPAIR SYSTEMS

1997	AGIP	In-situ reinstatement of corroded pipework on TIFFANY using composite pipewrap
1996	Brown & Root	Pipe wrapping repairs for corroded under deck drainage pipework on BP FORTIES
1995	Brown & Root	Develop and test in-situ pipe repair system for corroded under deck drains and low pressure piping

SPECIALITY ENGINEERING

2003	EasyWell Solutions	Syntactic downhole flotation balls development for enhanced oil recovery – project ongoing through 2005
2002	BP	FPSO Tanker repair study
1997	Phillips	Design and build of a composite sump tank for HEWETT Platform for Phillips Petroleum UK
1996	Texaco/FWWG	Detail design, manufacture and supply lightweight fire and blast rated personnel escape hatch for TARTAN ALPHA
1996	Gyrodatta	Design, development, testing and manufacture of high temperature, high pressure buoyancy for downhole applications
1995	BP/Stolt Comex	Development, supply and injection of water tolerant low temperature curing epoxy resin for grouting of wellhead protection structure NEWSHAM development
1993	SLP	Detail design and supply of ultra light-weight platform name signs for CLAYMORE CAP
1993	Mobil/Subsea Ltd	Development of special resin system for diverless caisson repair on BERYL 'B'
1993	Shell Expro	Development of high impact energy blow-out panels (350 kJ) on BRENT
1990	British Gas/DML	Provision of training and quality control procedures for composite material manufacture for offshore applications
1990	British Gas	Riser protection against 15 kJ impact on MORECAMBE BAY

