

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

Petrojet Egypt (Altube)
Petroleum Multi-Product Storage &
Transportation, Egypt

Deluge Valves, Hydrants, Monitors,
Cabinets, Foam Pourers, Foam Bladder
Tank, Spray Nozzles, Foam

Nexen Petroleum (CB&I)
Golden Eagle Project, UK

Hydrant Valves, Cabinets, Hose Reels,
Extinguishers

Linde Germany (Borouge)
Ruweis 3 Ethylene Plant, UAE

Foam Skid, Fire Points, Extinguishers,
Hose Reels, Breechings, Utility Hoses,
Monitors, Pressure Reducing Valves

Cosco China (ATP Oil & Gas Corp)
Cheviot, Offshore North Sea

Deluge Skid

ENPPI (Saudi Aramco)
Yanbu Export Refinery Tank Farm
Saudi Arabia

Hydrants, Monitors, Hose Reels

GS E&C Korea (Takreer)
Ruweis Refinery Expansion # 2, UAE

Deluge Skids

GS E&C Korea (Takreer)
Ruweis Refinery Expansion # 7, UAE

Deluge Skids

Chiyoda / JGC Joint Venture
Papua New Guinea PNG LNG

Auto Drain Valves

Petrofac International (Frontier Oil)
Uquo Gas Plant, Nigeria

Hydrants, Monitors, Foam, Extinguishers

GS E&C Korea
Green Diesel Project, UAE

Enclosed Deluge Skids

Petrotec (QCON / QP)
Halul Island

Deluge Skids, Nozzles

Arabi Enertech (ABB / KOC)
New 30" Crude Transit Line, Kuwait

Hydrants, Cabinets, Extinguishers, Safety
Showers, Eyewashes

NPCC (Adma Opco)
IGD Hap Project

Remote-Control Monitors, Control Panel,
Foam Hose Reels, Oscillating Monitors

Petrofac International (Qatar Petroleum)
AGRP - Gas Sweetening Facilities
Dukhan, Qatar

Valves, Breathing Apparatus, Cabinets,
Windsocks, Monitors

Petrofac International (Qatar Petroleum)
SRU – Gas Sweetening Facilities
Mesaieed, Qatar

Valves, Breathing Apparatus, Cabinets,
Windsocks, Monitors



Project Reference List - 1995 to 2011

Technip Abu Dhabi Kharir Power Plant, Yemen	Hydrants, Monitors, Cabinets, Extinguishers, Windssocks, Foam Trolleys
Petrofac International (Petronas) Berantai, Malaysia	Foam Skid, Deluge Skids
Petrofac International Kashagan, Russia	Extinguishers, Heated Cabinets
NPCC (ADCO) Bab Thamama "G" & Habshan 2	Deluge Skid
Petrofac International (Frontier Oil) Uquo Gas Plant, Nigeria	Foam Skid
NPCC (Adma Opco) IGD Hap Project	Gunmetal Hydrants
Costain	Dry Riser Equipment
Sakhalin Energy Investment Co Russia	Dry Pillar Hydrants (low temp)
ENPPI (EBGD) Ras Shukeir, Egypt	Deluge Skids, Foam Bladder Tanks, Hydrants, Cabinets, Oscillating Monitors, Extinguishers, Nozzles, Foam, Water Spray Pipework, Safety Showers
Technip Abu Dhabi Yemen LNG Upstream	Deluge Skid, Nozzles
NPCC (ADCO) Qusahwira	Deluge Skids
Semlogistics, UK New Tank Engineering	Design Services
Simon Management (OIKOS) Canvey Island, UK	Foam Skid, Control Valves, Breechings, Foam Chambers & Pourers



Project Reference List - 1995 to 2011

<u>Contractor/End user/ Project/Country</u>	<u>Scope of Supply</u>
CCC Abu Dhabi (GASCO) Habshan Flare Gas Recovery	Deluge Skids, Nozzles
NPCC (Adma Opco) IGD Habshan Platform	Deluge Skid
Technip Abu Dhabi (GASCO)	Hydrants, Extinguishers, Cabinets, SCBA, Monitors, Safety Showers, Eyewashes, Fire Points, Windsocks
JGC (GASCO) IGD Habshan 5, UAE	Hydrants, Monitors, Hose Reels, SCBA, Fire Points, Nozzles, Windsocks
ENPPI (Khalda – Kalabsha) 40,000 BOPD Oil Facility	Deluge Skids, Water Spray Pipework, Foam Bladder Tank Skid, Foam, Hydrants, Monitors, Trailers, Extinguishers, Cabinets, Safety Shower
Worley Parson (Kazakhstan) Sulphur Expansion Project	Deluge Skid, Spray Nozzles System Design & Pipework
Worley Parsons Europe Ltd TCO Sulphur Expansion Project	Hose Reels
Simon Management (OIKOS Refinery) Canvey Island	Design Services
Total E&P Yemen, CCU Extension Boosting Package II	Extinguishers, Hydrants, Cabinets
Shell International Trading & Shipping	“Evictor” Anti-Piracy Monitors
Petrofac International Kashagan – Tranche 3	Monitors, Gate Valves, Breechings
Pireco (Sirte Oil, Libya) Sweet Condensate Stabilizer Unit	Hydrants, Monitors, Cabinets Extinguishers
Foster Wheeler (London Gateway Port)	Foam Skid, Remote-Control Monitor Oscillating Monitors, Control Panels, Hydrants, Cabinets
Aker Solutions, Vivergo Project, UK	Dry Pillar Hydrants
ENPPI (Burullus Gas Company) WDDM Phase VII, Egypt	Deluge Skids, Hydrants, Monitors, Extinguishers, Nozzles

**Project Reference List - 1995 to 2011****Contractor/End user/
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GS Engineering & Construction, Korea
Green Diesel Project, UAE

Deluge Skids, Sprinkler System,
Fire Extinguishers & Cabinets,

Chevron Ltd
Kingsbury Bioethanol Project

Fire Suppression System Design,
Foam Bund Pourers, Tank Foam
Pourers, Fixed Oscillating
Monitors

ENPPI (MTA Polystyrene Project), Egypt

Deluge Skids, Foam Bladder
Tank Skids, Spray Nozzles, Fire
Monitors, Foam Concentrate,
Fire Hydrants, Fire Fighting &
Safety Equipment

Arabi Enertech (ABJ / Kharafi International)
Mina Al Ahmadi Refinery, Kuwait

Deluge Skids

Petrotec (Larsen & Toubro Ltd)
Strategic Gas Transmission Project, Qatar

4-Way Hydrants, Cabinets,
Portable Fire Monitors

Aker Solutions, Vivergo Fuels
Hull, UK

Dry Pillar Hydrants, Cabinets,
Post Indicator Valves

CB&I, Pearl GTL Project
Qatar

Fixed Monitors, 4-Way Hydrant

Semlogistics, South Wales

Fixed Foam Pourers

Petrotec (QCON), Dolphin Project
Qatar

Hydrants, Cabinets, Hose,
Foam / Water Nozzles, Monitors,
Foam Proportioners,
Extinguishers, Safety Showers,
Electrical Safety Equipment

Semlogistics, South Wales

Portable Foam Trailer

CB & I Eastern Hemisphere (Dubai)
Pearl GTL Project, Qatar

4-way Hydrants

Worley Parson, Sour Gas Project

Deluge Skid & System Design

QCON, Dolphin Project, Qatar

Deluge Skids

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

Linde Engineering (Germany)
Borouge Project, Abu Dhabi, UAE

Pressure Reducing Valves, Extinguishers,
Fire Points, Cabinets, Monitors,
Foam Skid, Inlet Breechings

ENPPI (Total E&P, Yemen)
Kharir Basement Phase 1

Hydrants, Water / Foam Monitors, Cabinets
Hose, Hose Reels, Extinguishers, Fixed
Foam System, Fixed Water Spray System,
BA sets, Safety Showers, Foam
Concentrate, Water / Foam Branchpipes

NPCC (via GASOS)
Zakum Gas Processing Facility, UAE

Extinguishers, Foam Trolleys, Hydrants
Cabinets, Hose, Oscillating Monitors,

Safetec, Italy
Khalda Petroleum

Hydrants, Cabinets, Monitors, Extinguishers,
Foam Trailers, Safety Showers, Windssocks

Petrofac, Salam Gas, Egypt
Khalda Petroleum

Fire hydrants, monitors, extinguishers, trailer

Petrofac, Ebla Gas Project, Syria

Pillar Hydrants, monitors, deluge skids
Fire hose cabinets, hose reels, extinguishers
& safety equipment

GASOS, Abu Dhabi UAE
ADMA-OPCO , GPF Project

Deluge skids, spray nozzles

Technip Abu Dhabi / Total E&P Yemen
Kharir CPU Fire Fighting / Fire & Gas System
Upgrade 251

Fire hydrants, hose cabinets, monitors,

M.W.Kellogg, Pearl GTL , Qatar

Hydrants, monitors, cabinets

Petrofac, Kashagan – Tranche 3
Kazakhstan

Monitors, hose cabinets, hose reels

Samsung Engineering
Borouge, Abu Dhabi UAE

Hydrants, monitors, deluge
valves, hose cabinets, hose reels
extinguishers, fire points, SCBA sets.

Technip Abu Dhabi / Total E&P Yemen
Kharir CPU Fire Fighting / Fire & Gas System
Upgrade 251

Foam Distribution Package

Chiyoda, Pearl GTL – Qatar

Safety showers, eyebaths

Total ABK / Khuff Gas
Abu Dhabi , UAE.

Deluge skids, spray nozzles

Tritec / AGIP – Kashagan
Kazakhstan

Cabinets, inductors, nozzles

Semlogistics, Pembroke, UK

Site survey, system design.

Semlogistics, Pembroke, UK

Foam pourers, system design.



Project Reference List - 1995 to 2011

CB & I, Pearl GTL, Qatar

Safety showers, eyewash stations

Total ABK / Abu Dhabi
UAE

Oscillating monitors

O2 Pearl / Pearl GTL Project
Pearl GTL Project / Shell Qatar

2 way hydrants
4 way Hydrants
4 way hydrant with monitor
Fire monitors
Hose boxes with contents
Safety showers with eyewash

Zadco / ACPT 1 & 2
Abu Dhabi

Deluge skid
MV nozzles
Frangible bulbs
Filter regulators

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

CB&I / Pearl GTL Project
Pearl GTL Project / Shell Qatar

Inlet manifolds
Hydraulic design calcs

CB&I / Pearl GTL Project
Pearl GTL Project / Shell Qatar

Fire monitors
4 way Hydrants
4 way hydrant with monitor
Hose box with contents

Petrofac / Karachaganak
Karachaganak/Kazakhstan

Pillar hydrants
Hose boxes with contents
Fire monitors
Osc monitors
Hose reels
Foam generators
Windssocks

Total UK / Total UK
Tanks 1 to 4/ UK

Site survey & design

Semlogistics / South Wales
Tanks 202, 401 & 601/UK

Site survey & design
Foam pourers
Flushing system
Breechings

Total ABK / Abu Dhabi
UAE

Oscillating monitors
Control station
Bureau Veritas Inspection

Sakhalin Energy / Sakhalin Energy
Sakhalin Island / Russia

Water pumps
Deluge skid
Chemical transfer pumps

Sakhalin Energy / Sakhalin Energy
Sakhalin Island / Russia

Water pumps
Deluge skid
Chemical transfer pumps

Petrojet / Tarek Fire water system
Egypt

Oscillating monitors
4 way Hydrants

NPCC / Maersk Oil Qatar
Al Shaheen Field Dev. / UAE

4 leg deluge skid
9 leg deluge skid
8 leg deluge skid
Air charger panels
Spares

Hyundai Eng & Const / Pearl GTL
Pearl GTL Project / Shell Qatar

Hydrant valves
Pumper connections
Fixed monitors
Auto on/off valves
Extinguisher cabinets
Safety showers
Eyewash stations

Semlogistics / South Wales
Tank 306/UK

Design
Flushing system
Breeching

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

Semlogistics / Semlogistics
Jetty Berths 2 & 3/UK

Survey and Design

Semlogistics / Semlogistics
Tank 115/UK

Foam system Design

Sakhalin Energy / Sakhalin Energy
Sakhalin Island / Russia

Hydrants
Hose reels
Nozzles
Hydrant extensions
Extinguisher cabinets

P & M Eng Ltd/ MNLG
MLNG / Malaysia

Electric remote control monitor

Semlogistics / Semlogistics
Tanks 9, 10, 11 / UK

Frangible bulbs
Hydraulic design calcs
Bureau Veritas Inspection
Filter regulators

Nippon Gohsei / Nippon Gohsei
Tanks 202, 401 & 601/UK

Foam system
Foam pourers
Foam skid
Linear heat detection
Control kiosk
Control desk
Osc monitors

Site survey
System design
Alarm valve

Petrofac / Salam Gas
Karachaganak/Kazakhstan

4 way Hydrants
2 way Hydrants
Hose box with contents
Ground monitors
Fire monitors
Foam/deluge skid
Foam pourers
Bursting discs
Extinguishers
Foam trailer
Firemans equipment
Safety equipment
BA sets
Safety showers
Eyebaths
Windssocks

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

GS Eng & Const / Sohar Aromatics
Sohar Aromatics / Oman

3 way Hydrants
5 way Hydrants
Fire monitors
Hose houses
Hose reels
Fixed hose reels
4" deluge valve package
6" deluge valve package
8" deluge valve package
MV nozzles
Alarm check valves
Sprinkler heads
Fusible plugs
Foam generators
Breechings
Foam concentrate
Extinguishers

BP Chemicals / BP Chemicals
New condensate tanks / UK

BA sets
Monitor trailer

Foam system design
Foam skids
Osc monitors
Pillar hydrants
Firemains iso valves

Dodsal / QatarGas

Extinguishers
Cabinets
4 way hydrants
Hose reels
Deluge system design
Deluge skids
Life jackets
Life buoys
Safety showers
Eyewash stations

Semlogistics / Semlogistics

Protection philosophy survey/report
Jetty Berths 2 & 3/UK

Tritec / AKCO
Kashagan Field Dev / Kazakhstan

Deluge skids
Water monitors
Foam monitors
Foam osc monitors with tanks
Hydrant mounted monitors
Hydrant cabinets
Foam tanks

Sakhalin Energy / Sakhalin Energy
Sakhalin Island / Russia

Bursting discs

Sakhalin Energy / Sakhalin Energy
Sakhalin Island / Russia

Foam storage tanks
Hydrants
Foam inductors
Nozzles



Project Reference List - 1995 to 2011

**Contractor/End user/
Project/Country**

Gasos / Ruwais Fertiliser
Ruwais Fertiliser / UAE

Technip / Yemen LNG
Yemen LNG / Yemen

Semlogistics / Semlogistics
Tanks 9, 10, 11 / UK

Scope of Supply

Mods to RC monitor scheme
Eexd Control panel
Safe area control panel
Cabling

Hi-Ex foam packages
Hi-Ex foam generators (LNG)
Hi-Ex Foam concentrate
Foam test kit
BA compressor
Elevated remote control monitors
Deluge skids

Foam & cooling water design

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**Total ABK / Abu Dhabi
UAE

Deluge skids

Worley Parsons / SEIC

Low temp hydrant mods

Tanktech / AKPO FPSO
KoreaDeluge skid
BV ClassificationEntrepose Contracting
Nigeria LNG / NigeriaExtinguishers
Shell type hydrants
Fixed monitors
Oscillating monitors

Worley Parsons

Foam / deluge skid
Nozzles
Foam tankEntrepose Contracting
Nigeria LNG / NigeriaExtinguishers
Shell type hydrants
Fixed monitors
Oscillating monitors
Deluge skidsGalfar / Tank 13
Qatar Petroleum / QatarDeluge skids
Foam skids
Hydrants
Cabinets
Oscillating monitorsJGC / Dolphin Energy
Dolphin / Qatar

Foam concentrate

Technip / Ras Laffan
Olefins Project / QatarDeluge skids
Reserve air setsShell UK Ltd / HFA Robust
UKRemote control monitors
Control desks
Control building
CommissioningTechnip / AKPO FPSO
NigeriaCentral pumped foam skid
BV ClassificationCostain Oil & Gas / VOC Recovery
Phillips Teeside, UKPillar hydrants
Fixed and osc monitorsMallinckrodt Chemicals
UKFoam bladdertank
Foam concentrate
Detection system
CommissioningTechnip / AKPO FPSO
NigeriaDeluge skids
BV ClassificationWorley Parsons / SEIC
Sakhalin Island RussiaGOST Adaptors
Pumper connections
PRV valves



Project Reference List - 1995 to 2011

CBI John Brown / South Hook LNG
Project / South Wales

Hi-Ex foam skids
Hi-Ex generators
Deluge skids
Fixed monitors
Tower mounted oscillating monitors
Remote control monitors / power packs
Internally valved steel pillar hydrants
High capacity hose reels
Hydrant cabinets / contents

PFD / Tengizchevroil
TCO SGP / Kazakhstan

Sprinkler nozzles

Tengizchevroil / Crude Export Facility
Kazakhstan

Enclosed heated pumped
foam/deluge skids



Project Reference List - 1995 to 2011

**Contractor/End user/
Project/Country****Scope of Supply**Richard Allan / Masterfoods
UK

Sprinkler system design

Nippon Gohsei / UK

Modifications / commissioning of sprinkler system

Petrofac Intl / Kashagan Field
AGIP / KazakstanLow temperature monitors
Polar /S hydrants (low temperature)
Cabinets
Hose reels
BreechingsPFD / Tengizchevroil
TCO SGP / KazakhstanSprinkler nozzles
Nozzles
CabinetsMitsubishi Heavy Industries/
PTA2 / Iran

Commissioning

Parsons E & C / Statoil
Langede Receiving Facilities / UKFixed monitors
Nozzles
Pillar hydrants
Wheeled monitors
Foam trailer
Extinguishers
Fire blankets
Safety eye baths
First aid kits
Safety torches
Stretchers
Floatation work vests
Body rescue hooks
Rescue lines
Safety showersParsons/Sakhalin Energy Investment Co
Sakhalin II / Russia

Hydrant valves

Botas / BTC Pipeline
BTC Pipeline / Turkey

Training

Joannou & Paraskevaides / Great Mabruk
Total / Libya

Foam proportioning skid

GS Engineering / Oman Polypropylene
Oman Polypropylene LLC / OmanHydrants
Hose houses
Monitors
Landing valves
Deluge valve sets
Spray nozzles
Foam generators
Air foam tank package
Spare partsPFD / Tengizchevroil
TCO SGP / KazakhstanDry riser equipment
NozzlesPFD / Tengizchevroil
TCO SGP / KazakhstanOscillating monitors
Pillar hydrants

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

TSKJ / MW Kellogg
Bonny Island NLNG Train 6 / Nigeria

Fire hose
Branchpipes
Hose boxes
Hydrants
Hydrant with monitors
Monitors
Breechings
Spare parts

AMEC Ind Div / Aberthaw Power Station
Ammonia loading bay / UK

Deluge system
System design
Nozzles
Deluge skid

Petrofac / BTC Pipeline
BTC Pipeline / Turkey

Commissioning

GS Engineering / Qatar Petroleum
QP LAB Project / Qatar

Extinguishers
Cabinets
BA cabinets

Parsons/Sakhalin Energy Investment Co
Sakhalin II / Russia

Mobile pump unit

JGC / Dolphin Onshore Gas Plant
Dolphin Energy / Qatar

Hydrants
Monitors
Elevated monitors
Ratio controllers
Hydrant valves
Water nozzles
Fire hose
Hose cabinets
Foam makers
HBFG
Water spray nozzles
Fusible plugs
Extinguishers
Foam nozzles
Foam concentrate

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**Kellogg Brown Root/Sage Gas Plant
Atlantic Cromarty/UK

Deluge skids

Daelim/ South Pars Gas Field
South Pars 6,7,8/Iran

Deluge skids

Toyo Eng/South Pars Gas Field
South Pars 6,7,8/Iran

Deluge skids

JGC/South Pars Gas Field
South Pars 6,7,8/Iran

Deluge skids

PFD (UK) Ltd/Tengizchevroil
TCO Asset Development/KazakstanAutodrain valves
Hose reels
Gatevalves
Breechings
Spray nozzles
Foam test couplings
Russian PassportPoong Lim/Sakhalin Energy
Sakhalin 1/RussiaLow temp pillar hydrants
Hydrant cabinets
Fire hose
Nozzles
Oscillating monitors
Fixed monitors
Foam/water deluge skids
Spray nozzles
Foam generators
Adaptors
Safety showers/eyewash units
Foam concentrate
Extinguisher cabinets
Alarm check valves
Sprinkler heads
Hose reelsGISCO/NDC
UAE

Engineering design study

TEPE/
BTC Pipeline/TurkeyLow temp Hydrants
Fixed water/foam monitors
Portable foam/water trailers
Hydrant cabinets
Mobile foam generator trailers
Foam proportioning skids
Foam concentrateBP/BP
Ian Tay/Vietnam

Engineering Study

Nippon Gohsei/Nippon Gohsei
Salt End, UK

Site commissioning

RPCO/Ras Laffan LG Co
AKG Project/QatarHydrant valves
Monitors



Project Reference List - 1995 to 2011

JGC/Sohar Refinery Co Sohar Refinery/Oman	Deluge valves Elevated RCM with towers Foam truck connections Foam skids Foam concentrate Nozzles
Encana(UK) Ltd/Buzzard Buzard Fiedl Deveelopment/UK	Oscillating monitors with control panels Hydrant cabinets Portable monitors c/w cabinet Foam trolley units Hosereels (Heated/unheated) Fire extinguishers c/w cabinets Fire blankets Firemans uniforms and safety equipment Fire hose Hydrant valves
Technip/ADCO North East Bab Ph 1/UAE	Bladdertank foam system
Iran Marine Ind Co(SADRA) South Pars Gas Field 6,7,8/Iran	Deluge skids Spray nozzles
NPCC/NPCC Satah Amine Bypass/UAE	Deluge skid
TSKJ/Nigeria LNG Ltd Nigeria LNG Plus/Nigeria	Fire hose Water/foam nozzles Fixed monitors 4-way Hydrants 2-way Hydrants Nozzles Breechings
Technip/KNPC KNPC Rerun Revamp/Kuwait	Deluge valves HV nozzles Strainers
Parsons/Sakhalin Energy Investment Co Sakhalin II/Russia	4" Low temp pillar hydrants 5.1/2" Low temp pillar hydrants Fixed monitors Hydrant cabinets Fire point cabinets Hose reels
PFD (UK) Ltd/Tengizchevroil TCO Asset Development/Kazakstan	Pillar hydrants, Oscillating monitors
PFD (UK) Ltd/Tengizchevroil TCO Asset Development/Kazakstan	Dominator hose reels, first aid hose reels
Mitsui Eng Services / Nippon Chemicals SL EU project/BP Salt End UK	Commissioning
Basetek Ltd	Foam skid, Safety shower
Chiyoda RPCO/Ras Laffan Ras Gas Onshore Expansion Project/ Qatar – Option 6	Hydrant valves, pumper connections, fixed water monitors, oscillating monitors, live hosereels, cabinets & contents
Chiyoda RPCO/Ras Laffan Ras Gas Onshore Expansion Project/	Automatic deluge valves manual deluge valves



Project Reference List - 1995 to 2011

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 9

Automatic deluge valves
manual deluge valves
vital air pots

**Project Reference List - 1995 to 2011****Contractor/End user/
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Parsons / Sakhalin Energy
Sakhalin II Project / Sakhalin Island

Low temperature pillar hydrant
design

Parsons / Sakhalin Energy
Sakhalin II Project / Sakhalin Island

Pumped foam skids, high back foam
generators, deluge skid, GOST Certification

Hyundai Heavy Industries / Shell
Bonny Island / Nigeria

First aid hose reels, alarm valves, sprinklers,
2 way hydrants, 4 way hydrants, water/foam
monitors, oscillating monitors

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 2 (AKG 1)

Automatic deluge valves
manual deluge valves
vital air pots

MW Kellogg /
In Amenas Project/Algeria

Foam skid
commissioning foam

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 9

Hydrant valves, pumper connections, fixed
water monitors, live hoses, reels,
cabinets & contents

Hyundai Heavy Industries / Shell
Bonny Island / Nigeria

Extinguishers, foam trolley units, eye wash
stations, first aid kits, safety equipment cabinets

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 10

Hydrant valves, pumper connections

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 4

Hydrant valves, pumper connections, fixed
water monitors, live hoses, reels,
cabinets & contents, ship to shore connections

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 5A

Manual deluge valves
vital air pots

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 5A

Hydrant valves, pumper connections, fixed
water monitors, live hoses, reels,
cabinets & contents, ship to shore connections

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar – Option 2

Hydrant valves, pumper connections, fixed
water monitors, live hoses, reels,
cabinets & contents, ship to shore connections
oscillating monitors

MW Kellogg / Damietta
SEGAS LNG / Egypt

Ventex air relief valves

Abdul Aziz & Bros / PDO
Oman

3-P foam skid

PFD (UK) Ltd / Tengizchevroil
TCO Asset Development / Kazakstan

Low temperature pillar hydrants
Low temperature pillar hydrants with monitors

Kawasaki Heavy Industries / Ras El Cement
Ras El Ma Cement Grinding project/

2 way hydrants
foam tank and pourers
Hose boxes and contents

MW Kellogg / Damietta
SEGAS LNG / Egypt

Hydraulic remote control monitors,
power packs, control desk, hydraulic tube

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

Parsons / Kashagant Kashagan Project/ Kasakstan/	Safety signs, safety shower/eyebath pillar hydrants, eyewash stations Equipment cabinets, escape BA sets, Swinging hose reels, fixed hose reels, Chemical spill kit, first aid kits
Petrofac International / BTC Pipeline BTC Pipeline Project/ Azerbaijan & Georgia	Pillar hydrants cabinets a& contents
Snamprogetti / Kuwait Oil Company BS131 Project/ Kuwait	Safety showers, equipment cabinets tanker connection
Chiyoda RPCO/Ras Laffan Ras Gas Onshore Expansion Project/ Qatar	Foam skid
Petrofac International / BTC Pipeline BTC Pipeline Project/ Azerbaijan & Georgia	Enclosed deluge skids, deluge valves foam spray nozzles, heat detectors, system design, foam pourers, Russian translation
Foster Wheeler / Shell Goldeneye Project/ Scotland	Pillar hydrants, oscillating monitors, fixed monitors, wheeled extinguishers, equipment cabinets, portable extinguishers, deluge skid, valves, pneumatic detection, MV nozzles, deluge system design, spray system pipe & fittings, detection loop system design.
MW Kellogg / Damietta SEGAS LNG / Egypt	Deluge valves, MV nozzles,
Technip-Coflexip / BP Shah Deniz Gas Export Project / Azerbaijan	Deluge skids, foam skids
MW Kellogg / Damietta SEGAS LNG / Egypt	Portable extinguishers, 2 way hydrants, 4-way hydrants, fire blankets, 2-way hydrants with monitors, hose reels, safety showers & eyebaths, portable eyebaths, BA sets sets & cabinets, 4-way hydrants, remote control monitors, powerpacks and control panels, equipment cabinets and contents.
Jawaby / Agoco H62 Project/ Libya	Skid mounted diesel fire pumps, jockey pump controller, flow meter, vertical steel buffer vessel, Gatevalves, check valves, presure gauges, pressure switches, needlevalves, spares
Jawaby / Agoco NC8 Project/ Libya	Skid mounted bladdertank, drum pump, high back foam generators, gatevalves, check valves, bursting Discs, foam test kit, jockey pump controller, bladder
BP/ BP Lantay Project	Commissioning

**Project Reference List - 1995 to 2011****Contractor/End user/
Project/Country****Scope of Supply**

Halliburton KBR/KBR
Zakum Crestal Project/Abu Dhabi

Extinguishers, BA sets,
eyewash units, liferafts

Halliburton KBR/Hydrocarbon Resources/
Morecambe Bay, UK

Foam/water deluge Halon Replacement
skids

Nova Chemicals/Nova Chemicals
UK

Foam system design / supply

Qatar Gas/Condensate berth 2B
Upgrade of berth 2B/Qatar

Electric remote control
monitors, foam skid, Water curtain system,
System design and installation

PFD(UK) Ltd/ Tengizchevroil
TCO Asset Dev Project/Kazakhstan

Oscillating monitors
Pillar hydrants
Monitor pillar hydrants

Technip/QLGC
Ras Laffan/Qatar

Modifications to deluge skid

Mitsubishi Heavy Industries/
PTA /Iran

Hose cabinets
Fixed water monitors
Elevated monitors
Foam bladder tank
Foam concentrate
Deluge valves
Hose connections
CO2 system
Extinguishers
Cabinets
Fire detection system
Motor siren panel
Marshalling boxes

Mitsui Engineering & Shipbuilding/
BP Chemicals
Nippon Synthetic Chemical Ind/ UK

Pillar hydrants
Hose boxes
Fire hose
Sprinkler heads
Sprinkler valves
Extinguishers

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar.

Deluge valves, Air receivers

PFD(UK) Ltd/Tengizchevroil
TCO Asset Development Project/
Kazakhstan

Enclosed, insulation & heated deluge skids

GISCO/National Drilling Contractors/
Upgrade of Al Itsihad, Al Ghallan,
Beynouna, Brakah, Delma drilling rigs/
Abu Dhabi

Helideck protection
Comprising of:-
Rig survey, system design,
Oscillating monitors,
Foam bladder tank
Systems.



Project Reference List - 1995 to 2011

**Contractor/End user/
Project/Country****Scope of Supply**

Snamprogetti/K.O.C
BS 131/Kuwait

Fire hydrants,
Cabinets & contents,
Safety showers,
Extinguishers,
Stretchers,
"Firefly" portable monitors.

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar.

Fire hydrants,
Pumper connections,
Ship to shore connections,
Valved hose connections,
Oscillating monitors,
Live hose reels,
Cabinets.

Chiyoda RPCO/Ras Laffan
Ras Gas Onshore Expansion Project/
Qatar

High expansion foam skids,
Vital air supply pots,
Foam skid.

ABB Lummus Global/Adma Opco/
TA Khuff Gas/Abu Dhabi

Multi-valve deluge skids,
Sprinkler valve spools

ABB Lummus Global/Adma Opco/
NKPP Khuff Gas/Abu Dhabi

Multi-valve deluge skids,
Sprinkler valve spools

Hyundai Engineering/Dkadu &
Mesaieed Sites/NGL-4/Qatar

Equipment,
BA sets, Safety showers

Eastern Bechtel/Boroughe Project/
Abu Dhabi

Commissioning



Project Reference List - 1995 to 2011

Contractor/End user
Project/Country**Scope of Supply**Amec Services Ltd/Shell Bonga FPSO
Topsides/NigeriaWater hose reels,
Foam hose reels,
Fixed foam/water monitors,
Oscillating monitors,
Foam bladder tank skidPetrofac International/
Kharyaga Field/RussiaDeluge valves assemblies,
Foam nozzles,
Sprinkler nozzles,
GOST certification.McConnell Dowell Australia/
NCSP Terminal – Dinh Co/
Nam Con Son/VietnamEnclosed deluge/foam skids,
Foam pourers.Amec Services Ltd/Shell Bonga FPSO
Topsides/Nigeria12" deluge/foam skids,
10" deluge/foam skids,
8" deluge/foam skids,
6" deluge/foam skids,
8" deluge skids,
6" deluge skids,
MV nozzles,
HV CF nozzles.Mitsui Engineering & Shipbuilding/
MEA Project – Pulau Ayer Merbau/
SingaporeSpray nozzles,
Foam chambers,
Fire hydrants,
Bladder tank system,
Foam concentrate,
Hose boxes,
Breechings,
Extinguishers.Qatar Liquefied Gas Co/
Qatar Gas/QatarFull jetty survey,
Test, Report.Flory Technique S.A/
Switzerland

Trailer mounted 3P foam skid.

ABB Lummus Global/Lyondell Chemicals
BP Arco/PO-11 Lyondell/The NetherlandsFire fighting equipment
Remote control Monitors & control panels,
Pillar hydrants,
Fixed monitors, Hose cabinets & contents,
Dry riser systems,**Deluge package**

Enclosed deluge skids

Foam systemFoam skids,
Foam proportioners,
Foam pourers,
Hi-Ex generators,Full turnkey package
Including system design,
Supply and install all pipework, equipment &
commissioning



Project Reference List - 1995 to 2011

Contractor/End user
Project/Country**Scope of Supply**Parsons-Technip
Arco-Qatar Inc Al-Rayyan Project8" Deluge skids
MV spray nozzlesHyundai Heavy Industries
BP Lan Tay Project VietnamExtinguishers, Hydrants
Hose Reels
Cabinets and Equipment
Oscillating & Portable
Monitors
Safety Equipment
2p Foam SkidsTerra Nova Alliance
Terra Nova Project Canada

Site Commissioning

Shell UK Exploration
Bacton Terminal NorfolkFoam Skids
Oscillating Monitors
Detection TubingTechnip/Adma Opco
GTP Facilities Project Abu DhabiHydraulic remote
control monitor
Power PackJGC/ MLNG
Tiga/ MalaysiaHydrants, nozzles
Cabinets
Hose, BA sets
ExtinguishersToyo Engineering/ Sidi Kerir
Petrochemicals MTA LPG Recovery
/ EgyptExtinguishers
Cabinets, Monitors
Hydrants Deluge ValvesStone & Webster/ MTBE
Propane dehydrogenation/ Malaysia

Site Commissioning



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country**Scope of Supply**SK Engineering/ Pemex
Madero/ MexicoRemote control and fixed
monitors, hose reels, foam makersToyo Engineering/ Oriental Petrochemicals
EPP/ Egypt

Deluge valves, control panel

Samsung Engineering/ Pemex
Tula/ MexicoHydrants, hose reels, cabinets,
foam chambers, spray nozzlesTechnip Geoproduction/ ZADCO
Zirku Production Facility/ Abu Dhabi

Deluge valve skids, nozzles

Hyundai Engineering/ Qatar Liquefied Gas
NGL-4/ Qatar

BA sets, showers

Bristol Oil Storage/UK

Foam skid
Tank farm protection

Skeljungur Ltd/ Shell/ Iceland

Remote control monitors, foam
proportioners and pumpKhalda Petroleum
Western Desert Gas Development/ Egypt

Commissioning of foam skids

PGS Atlantic Power
Banff FPSO/ Canada

Vessel Motion Study

Bushco Petroleum/ Petrom
Lebada Gas Field/ Romania

Deluge valve skids

Alliance, Bechtel Linde/ Abu Dhabi
Polymers Borouge/ Abu DhabiRemote control monitors,
towers extinguishers, hydrantsAssociated British Ports
Saltend Jetty/ UKMonitor relocation and
installation of oscillating
monitor systemDaelim Industrial/ STPC
PTA-1 Plant/ Iran

Indicating gate valves

Daelim Industrial/ STPC
PTA-1 Plant/ IranDeluge valves and
proportionersTecnimont/ ADNOC
Borouge Polyethylene/ Abu DhabiHydrants, monitors, BA sets
extinguishers, showersTecnimont/ ADNOC
Borouge Polyethylene/ Abu DhabiDesign and supply of water
spray and sprinkler systems.JGC Corporation/ Turkmenneftegas
TPU/ TurkmenistanDeluge valves, hydrants,
cabinets hose, nozzles etcAgra Monenco Atlantic
Terra Nova/ Canada

Commissioning of system

Marconi Marine/ Brunei Government
OPV/ Brunei

Vessel deluge systems

Toyo Engineering/ BASF
M Box/ MalaysiaDiaphragm tanks, monitors
hydrants, foam generators etc



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country**Scope of Supply**

Bechtel/ Karachaganak Operating BV
Karachaganak Development/ Kazakhstan

234 - Pillar hydrants, oscillating
monitors, fixed monitors, extinguishers

TEP Designs/ GAPCO
Mombassa Terminal/ Kenya

Foam skid

Phillips Petroleum
Teeside Jetty 2/ UK

Remote control monitor system
installation.

Fluor Daniel/ Tengiz Chevroil
LPG Upgrade/ Kazakhstan

14 - Deluge skids, monitors,
nozzles etc

Technip Italy/ Qatar Vinyl
QVC Project/ Qatar

7 - Deluge valve skids, hydrants, extinguishers
foam equipment

Krupp Uhde/ Qatar Vinyl
QVC Project/ Qatar

19 - Deluge valve skids, hydrants,
extinguishers, foam equipment

TRAECO/ Petrovietnam Vietnam
Thi Vai Project/ Vietnam

Deluge valves, piping etc

Alliance, Bechtel Linde/ Abu Dhabi
Polymers Borouge Abu Dhabi

Hydrants, Monitors
Hose Equipment Cabinets
Extinguishers
Safety Signs

Toyo Engineering/ Oriental Petrochemicals
EPP/ Egypt

Hydrants
Hose Equipment Cabinets
Deluge Valves
Manual Monitors
Hosereel assemblies
Water Spray Nozzles
Extinguishers
B.A Sets

Jawaby Oil Services/Azzawiya Oil Refining
Warehouse firefighting systems/ Libya

Spray Systems ,Detection Systems
CO2 Systems

Stone & Webster/ MTBE
Propane dehydrogenation/ Malaysia

Site Commissioning
Hydrants Hose reels
Cabinets with Contents
Foam Skids, Extinguishers

Humber Oil Terminal
Finger Pier/ UK

8 - Electric Remote Control Monitors
2 - Tubular Towers
Control Console
Personnel Spray System

SK Engineering/ Pemex
Cadereyta Block 4/ Mexico

Foam Skid, Control panel
Nozzles

Saval B.V/ Amoco
Geel Paraxlyene/ The Netherlands

Deluge valves

SK Engineering/ Pemex
Cadereyta Block 1,2 and 3/ Mexico

Remote Control Monitors
Control Panels, Nozzle Package Foam Skid,
Control panel Nozzles, H.B.P.G
Foam Proportioner



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country**Scope of Supply**

Toyo Engineering/ Petronas
KVCM/ Malaysia

2 & 4 way hydrants
Cabinets with contents
Monitors
Hosereels
Deluge valves
Foam skid with foam
Fusible tube

Toyo Engineering/ Petronas
KR2/ Malaysia

Deluge skids

Toyo Engineering/ Sidi Kerir
S Petrochemicals EP/ Egypt

Fire hydrants
Monitors
BA sets
Cabinets with contents

Terra Nova Alliance/ SBR Offshore
Terra Nova FPSO/ Canada

Remote control monitors
Control panel
Extinguishers
Helideck equipment

Samsung Engineering/ Khalda Petroleum
Western Desert Gas Development/ Egypt

2 & 4 Way Hydrants
Cabinets with contents
Monitors, Deluge Skids
Extinguishers
Trailers

Bechtel/ Tengizchevroil
KTL 2/3 Expansion/ Kazakhstan

Deluge Skids

Terra Nova Alliance/ SBR Offshore
Terra Nova FPSO/ Canada

Deluge Skids
Monitor Control Skids

Samsung Engineering/ Khalda Petroleum
Western Desert Gas Development/ Egypt

2 & 4 Way Hydrants
Cabinets with contents
Monitors
Deluge Skids
Extinguishers
Trailers

Toyo Engineering/ Sidi Kerir
Petrochemicals SEP/ Egypt

Foam Generator Tanks
Control Cabinet

Stone & Webster Dubai/ EPPCO
Terminal 1 and 2 Upgrade/ Dubai

Foam Pumping Skid

Elf Exploration UK Plc
Flotta Jetty Upgrade/ UK

Hydraulic Remote
Control Monitor



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country**Scope of Supply**Phillips Petroleum
Jetty Upgrade/ UKDesign and supply Power Packs
and Control StationsAker Maritime/ PGS Offshore
Banff Field Development/ UK

Oscillating Skids & Monitors

Suez Oil Co
RAS Budran/ EgyptDesign/supply Tank Cooling
SystemChiyoda-IKPT/ Pertamina
Bontang LNG/ Malaysia

Foam Skid

Brown & Root/ Badr el Din Petroleum
Obaiyed/ EgyptHydrants
Cabinets with contents
MonitorsKvaerner John Brown/ AIOC
Western Pipeline/ AzerbaijanExtinguishers
Monitors
HydrantsKvaerner John Brown/ AIOC
Western Pipeline/ AzerbaijanFire Extinguishers
FoamKvaerner Oil and Gas/ BP
Bruce Field Development/ UKHydrants
Cabinets with contents
NozzlesKvaerner Oil and Gas/ BP
Bruce Field Development/ UKDeluge Valves
Deluge Nozzles

Chiyoda/Foster Wheeler Oman LNG

Foam Skids

Kvaerner John Brown/ AIOC
Western Pipeline/ AzerbaijanFoam Skids
Foam Deluge
Monitor Assemblies
MV SprayersENPPI/ EGPC
Transgulf/ EgyptWater Spray Systems
Foam Systems
Fire Fighting Equipment
Clean Agent System
ExtinguishersPetrojet/ Suez Oil Co
S.O.P.C Project/ Egypt

Foam Skid

Chiyoda Corporation/ Qatar Liquefied Gas
LNG Plant/ Qatar

Fixed Water Monitor

Chiyoda Corporation/ Qatar Liquefied Gas
LNG Plant/ Qatar

Deluge Skid

ENPPI/ EGPC
C.O.R.C./EgyptSpray Systems
Water Monitors
Fire Fighting EquipmentToyo Engineering/ Qatar Liquefied Gas
Qatargas Upstream Development/ QatarDeluge Skids
Nozzles



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country**Scope of Supply**Brown & Root/ BP
Eastern Trough Development/ UKExtinguisher
Fire Fighting EquipmentSofregaz/ Depa
Depa LNG/ GreeceFoam Skid , Remote Controlled
Monitors Fire Fighting EquipmentDukhan Alliance/ QGPC
Dukhan Arab 'd' Gas Recycling/ QatarDeluge Skids, Monitors
HydrantsWood Group/ Amoco
North Everest Field Development/ UKRemote Controlled
MonitorsBASF
Luprosil Development/ UK

Dry Riser / Monitor

KCC Process/ Petrobras
Marlim Field Development/ Brazil

System Design

ABB Global BV/ Texaco
Captain Field FPSO/ UK

System Design

Phillips Petroleum
Seal Sands Jetty Development/ UKPower Packs, Installation
System DesignBrown & Root/ BP
Eastern Trough Development/ UKHydrants / Cabinets
Monitors / NozzlesBrown & Root/ Chevron
Alba Phase 2 Development/ UK

Deluge Skid

Brown & Root/ BP
Eastern Trough Development/ UK

Deluge Skids

Chiyoda Corporation/ PT Amoco
Merak PTA-1/ Indonesia

Fire Fighting Equipment

Kvaerner H & G/ Texaco North Sea
Erskine Field Development/ UKDeluge Skid
Cabinet / ValvesR M Parsons/ Amoco
Tyne & Trent Development/ UK

Deluge Skid

Suez Oil Co
Ras Budran/ Egypt

System Design

Safe With Saval/ Vanachi Chemicals
Tank Protection Scheme/ Thailand

Foam Skid

Chiyoda Corporation/ Qatar Liquefied Gas
Train 3/ QatarPortable Fire Fighting
EquipmentChiyoda Corporation/ Qatar Liquefied Gas
Train 3/ Qatar

Foam Skids

Chiyoda Corporation/ Qatar Liquefied Gas
Train 3/ QatarHydrants / Hose Reels
Monitors / NozzlesChiyoda Corporation/ Qatar Liquefied Gas
Train 3/ Qatar

Deluge Skids



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country**Scope of Supply**Kvaerner H & G/ Phillips Petroleum
Judy-Joanne Field Development/ UKDeluge Skid
Hydrant Headers
Extinguisher Cabinets
NozzlesJohn Brown/ Dow Corning
Genesis Project/ UKElec. R.C Monitor
c/w TowersHumber Oil Terminals
Immingham Berth/ UKRemote Control
Monitors.
System InstallationRotary Engineering/ Thai Oil
Thai Tank Terminal/ Thailand

Foam Skids

Toyo Engineering/ Qatar Liquefied Gas
Qatargas Upstream Development/ QatarDeluge Skids, hydrants
Monitors & CabinetsHumber Oil Terminals
Immingham Berth/ UKMonitor Towers
System InstallationABB Global BV / Maersk Oil
Harald West Field Development/ Denmark

Deluge Skid

Fluor Daniel/ Shell
Firepran Central Station/ GabonDeluge Skid
Foam/TrailersChiyoda Corporation/ Thai Oil
Sriracha Hydrocracker/ ThailandFire Fighting Equipment
Hydrants R.C & ManualJohn Brown/ Shell
Pernis PP Splitter/ The NetherlandsWater Spray System
DesignChiyoda Corporation/ Seraya Chemicals
SIP/ Singapore

Foam Systems

Chiyoda Corporation/ Qatar Liquefied Gas
LNG Plant/ QatarPortable Fire Fighting
EquipmentChiyoda Corporation/ Qatar Liquefied Gas
LNG Plant/ QatarWater/Spray Deluge
SystemChiyoda Corporation/ Singapore
Petrochemicals PCS II/ SingaporeFire Fighting Equipment
Deluge SystemsChiyoda Corporation/ Qatar Liquefied Gas
LNG Plant/ Qatar

Fire Fighting Equipment

NPCC/ ADNOC Ruwais Refinery
Berth Expansion/ Abu DhabiMonitor Towers
Foam Skid SystemMobil Coryton
Jetty Renovation/ UK

Hydraulic System Design

Emtunga / Texaco
Captain FPSO/ UK

Foam Skids/Monitors

ABB Global/ Texaco
Captain FPSO/ UK

Deluge Skids



Project Reference List - 1995 to 2011

Contractor/End User
Project/Country

NPCC / ADNOC
Ruwais Refinery Berth Expansion/
Abu Dhabi

Toyo Engineering/ Qatar Liquefied Gas
Qatargas Upstream Development/ Qatar

Humberside Oil Terminals
Finger Pier/ UK

Scope of Supply

Monitors / Cabinets
Hose reels / Monitor system
Hydrants & Nozzles

Deluge Skids
Monitors (Foam & Water),
Hose reels Cabinets & Hydrants

Foam Skid