

PIPELINE SYSTEMS STUDIED (Including Refineries & Platforms)



CLIENT

Aker Kvaerner

AMEC

AMEC Engineering

AMEC Offshore Services

AMEC Process & Energy

Amoco (UK) Exploration Company

Andrew Palmer & Associates

Associated Petroleum Terminals (Immingham)

ATMOS International

Azerbaijan International Operating Company

Berwanger

BHP Petroleum

BNOC

Boreas Consultants

PROJECT

Adriatic LNG Terminal Project

Lunskoye Field Platform LUN-A Condensate Export

Total Dunbar Dynamic Simulation Studies

Dunbar Steady & Dynamic Analysis of 6 Inch Lines

Britannia Subsea Flowlines Heating System

Brent Bravo to Brent Alpha Maximum Capacity

Dunbar Thermal Transient Simulation

Aniva Bay Oil Export Terminal

Brent Bravo Bursting Disc Failures

Brent Alpha Oil Import Auto Cross-Over

Kinneil Export 1150 Mbd Plus Study

BP Marine Vapour Recovery Project

Elgin & Shearwater to Forties Unity System

Montrose to Forties Oil Export

Andrew Oil Export System

West Brae & Kingfisher

Lindsay Oil Refinery to APT Tank Farm

Fuel Oil & White Oil Transfer Systems

BTC Pipeline Leak Detection System & Simulator

1548 KM Multi-Products Pipeline

AIOC West Azeri Platform Systems

ACG FFD Project - Phase 1 Oil Pipelines

CA-PDQ to Sangachal Terminal

AIOC - Oil Export Pipelines

Azeri Central Platform Diesel Supply System

Sangachal Terminal Open Drains System

Mont Belvieu Brine Water Return System

API Spring Relief Study

Exxon Relief Valve Study

Backwash Screen Failure - Algeria

Liverpool Bay Asset

Liverpool Bay FSU to Shuttle Tanker

Liverpool Bay Development

Liverpool Bay OSI Import System

Leak Detection System Study Liverpool Bay OSI

Liverpool Bay Development OSI Import System

Liverpool Bay Asset OSI Import System

Beatrice B Project, Live Crude Tie-In Line

Ninian Crude Export Pipeline Steady State Model

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CLIENT

PROJECT

Boreas Consultants

Forties Sealine - Buzzard Tie-In

Buzzard to Forties Sealine

Ettrick to Buzzard to Forties Sealine

Ormen Lange to CATS Tie-In

BP

Sullom Voe Decommissioning

Forties Sealine - Isolation at Cruden Bay at Low Flowrates

BP Amoco Norge AS

Southern Area Liquid Export Pipeline

BP Angola (Block 18) BV

BP Angola Block 18 Greater Plutonio Project - Oil Export

BP Chemicals

Acetic Acid Storage Development

BP Chemicals Belgium

ETOX Transfer System

ETOX Transfer System - Addendum

BP Engineering

Forties Landline Upgrade

Forties Landline Stoppole Study

Forties Landline Pipeline Leak Study

Kinneil Disturbance Study

BP Exploration

Miller Development Oil Export Line

Forties EFS Scheme

Cruden Bay Pumping Station Start Up

Fortipip7 Audit

Forties Field RPX / LPX Systems

Forties / Brae System Flow Increase to 540 Mbd

FD Pipeline Integrity

BP Exploration (Caspian Sea)

Baku-Tbilisi-Ceyhan Oil Pipeline Project

BP Exploration Operating Company

Kinneil Train 3 Danflo Study

Western Route Export Pipeline (WREP)

Forties System (Impact on Buzzard)

Kittiwake Platform Riser to the Forties System

BP Forties Landline - Kinneil Relief Valves

Sullom Voe Terminal MV Fanny Incident

Forties FCEE-Cruden Bay PCV System

Forties Offshore System (FPS Systems Response)

Cruden Bay Protection Study

Grove Valve Capacity Stabilised Crude to Storage

Colombian Pipeline

BP Kinneil Terminal Train Three

ETAP / CGA Spurline

Audit of the ETAPS Spurline Spreadsheet

Teeside Ethylene Pipeline

Schiehallion Import System Sullom Voe Terminal

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PROJECT

BP Exploration Operating Company

UST Pacific Incident

BP Grangemouth

Bruce Oil Export Pipeline

Forties Landline Cruden Bay Operation

BP International

Forties Unity Validation

Walton Import / Export Pipelines

Forties 20 Inch - Kinneil-Finnart

Sullom Voe Shetland Island Terminal

Kinneil to Dalmeny 30 Inch Crude Oil Pipeline

Wytch Farm to Hamble Pipeline

BP Oil Grangemouth Refinery

GAEL Spurline Operability Study

Forties / Brae Pipeline Depressurisation

Forties Charlie / Brae Riser

Forties Pipeline System Technical Safety Review

Forties Landline Relief Valve Isolation

Forties Finnart Project 77

Forties Finnart 77 Project

Forties Finnart 77 Balfron Booster Pump

Kinneil Front End Relief Upgrade

Kinneil Dalmeny Pipeline

Miller Oil Export System

Kinneil Refinery Storage Tanks

Water Discharge to Lagoon System

Dalmeny Pipeline Debottlenecking Project

Kinneil Front End Control System

Kinneil to Finnart 20 Inch Crude Transfer Line

Dalmeny / Hound Point Export Pumps

Forties Pipeline EFS Kinneil Export Facilities

Forties Pipeline EFS Kinneil Reception Terminal

Forties System Expansion Study

Kinneil Terminal Front End

BP Petroleum Development

Grangemouth to Ross Chemicals Pipeline System

Cruden Bay Booster Station Pipeline Calcs

North Sea-Magnus Field Development Project

Forties Pipeline Unsteady Flow Investigation

Forties FC Additional Riser II

Extension to Forties Pipeline System

Buchan Export Project Unsteady Flow Study

Forties FC Micro Model

Cruden Bay Tanks

PIPELINE SYSTEMS STUDIED (Including Refineries & Platforms)



CLIENT

PROJECT

BP Petroleum Development

Forties Artificial Lift
Forties Maximum Throughput Study
Forties to Cruden Bay Pipeline Replacement
Forties Cruden Bay Tanks
Forties FC Fiscal Metering
Forties 36 Inch Sealine
Forties Landline Expansion
Forties Under Deck ESD Valves
Forties 30 Inch - Kinneil - Dalmeny
Forties Bravo ESP Topsides Equipment
Forties Landline

BP Trading

Firth of Forth Oil Terminal Ballast Discharge
Forties Field System Hydraulics
Maasvlakte Oil Terminal Pipelines to BP Refinery
Ninian Field System Hydraulics
Kinneil-Dalmeny Pipeline
Forties Pipeline (Stage 2)
Ninian Stage 3
Forties Charlie Crossover Pump Scheme
Forties Pipeline Development 500 Mbd Scheme
Kinneil Desalting / Effluent Project
Forties Field Additional Riser
Forties Finnart 77 Project

British Steel Corporation

Redcar & South Tees Works - Fuel Oil Supplies

Britoil

Clyde Field

Brown & Root

Beatrice B Production System
Kinneil Terminal Expansion Project
Kinneil Terminal Debottlenecking Project
Forties Bravo - Oil Export System

Brown & Root AOC

Gannet MOL Pump Parallel Operation
Gannet / Fulmar System Additional Dynamic Analysis
Kittiwake Oil Storage System
Forties Unity

Brown & Root Energy Services

Forties Unity Surge Analysis

Brown & Root Marine

Forties Alpha to Forties Charlie Pipeline

Brown & Root Vickers

Piper Field Redevelopment Project Oxy 30

Caltex Oil (SA) Pty

Central Fields Pipeline
Central Fields STL Operability Study
Saldanha Bay to Milnerton Pipeline

PIPELINE SYSTEMS STUDIED (Including Refineries & Platforms)



CLIENT

PROJECT

Canadian Nexen Petroleum Yemen

Camaal to CPF Dual Pipeline

CEGB

Aberthan B Condensate Polishing

Chevron Petroleum (UK)

Ninian Field Production Facilities

Steady State Analysis of S11 Flowline, Ninian

Alba Field Development Project

Ninian Southern Platform Dynamic Simulation

CNR International (UK)

Murchison Export System Surge Analysis

Conoco

Black Oils Export Pump P845 Sparing Project

TCU Relief Line

Theddlethorpe to South Killingholme Pipeline

Conoco (UK)

Murchison Platform & Pipeline

Dynamic Simulation Lyell

ConocoPhillips

LPG Transfer Lines

Humber Oil Refinery Propane System

Humber Oil Refinery 15 Butane Replacement Line

Costain Engineering

Ras Shokir LPG Pipeline

Ras Shokir Crude Pipeline

Costain Process & Engineering Construction

Ras Shokir / Assiut Crude Oil Pipeline

Tebbin-Assiut Multiproduct Pipeline

Daniel Valve Company

PDO South Oman Pipelines

Dawson-Brown & Root

Wandoo Full Field Development

Degremont Laing

Condensate Booster System

Doris Engineering

Hibernia Platform Utility Riser Systems

Dunlopillo

Hydraulic Supply System

Empresa Nacional del Petróleo

Malaga to Puertollano Pipeline

Enron Power Construction

Teeside Gas Plant - Plant to Storage Pipeline

Esso Petroleum Company

Fawley to Avonmouth Spreadsheet

Fawley to Avonmouth Pipeline

Exxon Chemical Olefins

Braefoot Bay Foam Line

ExxonMobil Chemical

Fawley Hexane Pumping System

Fluor

BP Amoco Caspian Region Alternative Export Options

Foster Wheeler

Shetland Island Oil Terminal

Shetland Island Stabilised Crude

Shetland Island Terminal - Effluent Line

Kinneil-Dalmeny Pipeline

Kinneil Terminal Study Forties 500 Mbd

Shetland Island Terminal - First Oil Ashore

Foster Wheeler Energy Ltd

Shell Haven Refinery Project

Sullom Voe Terminal Brent Crude Diversion System

PIPELINE SYSTEMS STUDIED (Including Refineries & Platforms)



CLIENT

Foster Wheeler Energy Ltd
Genesis Engineering
Genesis Oil & Gas Consultants
George Wimpey M E & C
Global Engineering
Granherne

Grove Italia
Grove Valve & Regulator Company

Gulf Oil
Gulf Oil Refining
H & G Engineering

Holman, Fenwick & Willan
ICI

IMS Engineering
Jacobs Engineering

John Brown Engineers & Constructors

Kerr-McGee Oil (UK)
Kinetica

Lankro Chemicals
LNG - Serviços e Gestão de Projectos
MAN GHH Oil & Gas GmbH
Marathon Oil UK
Matthew Hall Engineering

McDermott Marine Construction

PROJECT

Wytych Farm Crude Oil Pipeline
Amerada Hess AH-001 Floating Production System
Sullom Voe Surge Protection System
Nigg Bay Terminal Facilities
Amoco Bacton - Hamilton Facilities
Snorre Field Development - Oil System
Occidental Piper Alpha Platform
Snamprogetti Project Ball Valve Control
Dump Tank Research
Scorpion Sizing For Das Island - ADNOC
Grove 887 Capacity Aramco Projects
Desalter Pressure Mitigation Study
LCGO Suction Line at Milford Haven
Forties Expansion Scheme - Kinneil to Dalmeny 30 Inch
Forties Expansion Scheme - Dalmeny to Hound Point
Hound Point to Dalmeny 48 Inch Deballasting Pipeline
Oryx C/P
Review of Stability of Lube / Seal Oil Console
Project H1360 C4 Raffinate Line
Eastern Siberia to Pacific Ocean (ESPO) Pipeline
B-Cut Transfer Lines
PLPG Safety Rationalisation BP Oil Grangemouth
Forties Riser Platform ESD Valve Study
British Gas Armada Pipeline Project
Janice Oil Export
Theddlethorpe to Killingholme Pipeline - Leak Detection
Theddlethorpe to Killingholme Pipeline - Operation Study
Pressure Rise In Chemical Feed Systems
Nigeria LNG Plus Project Heat Transfer Systems
Sirte Oil Company Trunk Condensate Pipeline
Heimdal / Brae Alpha Low Pressure Import
Kuwait Oil Company Crude Oil Pumping Facility
Cormorant A Platform Main Export Pumps
Cormorant A Main Export Pumping System
Morecambe Bay Gas Field Development Project - Slug Catcher Design
Product Handling Tranmere
Brent Field Pipeline System
Cormorant Valve Closing Times
Elgin Condensate System

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CLIENT

McDermott South East Asia Pte

Mobil North Sea

Mobil Oil Company

Mowlem Engineering

Mustang Engineering LP

Newfoundland Offshore Contractors

Oil India

Parsons Brinckerhoff (Asia)

Pencol Engineering Consultants

Performance Improvements

Petroleum Development Oman

PGS Atlantic Power

PGS Offshore Technology

Phillips Petroleum Company

PIL

Pipex

Powertec SA

PSA Projects

Qatar Petroleum Producing Authority

Ralph M Parsons Company

REL Instrumentation Limited

PROJECT

ACT HZ 26-1 Oil Export Line

Sage Terminal Expansion Train

Beryl Development Project A

Beryl Development Project Crude Transfer System

Sage Onshore Plant Phase B

Mobil Sage B Facility Glycol System

Sage Amine System at St Fergus

Britannia Facilities (at Sage Terminal) Dynamic Simulation

Sage NGL Export Facilities

Mobil Acid Evacuation Project Coryton Refinery

Peel B Power Station Fuel Oil System

Valhall Re-Development Project

Hibernia Development Project

Sekoni to Noonmati Pipeline Operability Study

Chek Lap Kok Airport Aviation Fuel Hydrant System

Mombasa / Nairobi Products Pipeline

Doha Distillate Pumping

Kerman Products Pipeline

Kuwait Aviation Fuelling Company

Esso Midline Products Pipeline

Esso South East Pipeline Expansion

Aircraft Refuelling Hydrant System

Theddlethorpe to Killingholme Pipeline ESD Valve

North Everest / CATS Booster Pumps

Crude Evacuation System - Hotsty Update

Banff Field Oil Export System

Banff Field Development

Statpipe Gas Pipeline System - Ekofisk

Greatham Crude Storage Tanks

BP Amoco Block Valve Spacing Study

Leman AD Platform Potable Water Phase 2

Pemex Cactus to Guadalajara LPG Pipeline

New Bulk Fuel Installations

Main Oil Lines Qatar Surge Investigation

Thames Development Project - Phillips Arpet Bacton Plant

Mobil North Sea Ltd - BGP Onshore Plant

NGL Export Pipeline - Mobil BGP Onshore Plant

Mobil St Fergus NGL Export to Cruden Bay

BTC Pipeline Leak Detection System

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CLIENT

Richard Irvin & Sons

SAMAREC

Seraya Chemicals

SETE Consultants & Services

Shell International Petroleum MBV

Shell Philippines Exploration

Shell UK

Shell UK Exploration & Production

Simon-Carves

Snamprogetti SPA

Societe Foster Wheeler

Statoil Gas Transport

Stone & Webster Engineering

Stroytransgaz

Technip

Technip France

PROJECT

Schiehallion Transhipment Project

Riyadh Refinery LPG Transfer Pipeline

Seraya 2 Pipeline Surge Study

New Jeddah Airport Kerosene System

Oman Crude Pipeline System

Shell Malampaya - Condensate Pumps

Gannet E Flowline

Emergency Shutdown Valves

Brent Field Surge Analysis

Brent Offshore Stage 2

Fulmar Platform A FSU

Cormorant A Topside Facilities

Brent Delta

Fulmar Platform A FSU Surge Analysis

Auk Id Oil Export System

Eider Field Development

Fulmar Temporary FSU Surge Analysis

Brent Alpha & Bravo to Spar

Fulmar FSU Surge Analysis

Oil Export From Brent A, C & D to Spar

Nelson Project Oil Export

Fulmar Alpha Oil Export System

Fulmar Export Pipeline - CNS Oil Evacuation

CNS Oil Evacuation Project Export Pipeline

Gannet / Fulmar Third Party Entrant

Gannet / Fulmar System

Auk Based Dynamic Simulations

Fulmar Studies

Shearwater Oil Export

Tioxide Malaysia Dynamic Analysis

SBS Project

Zirku Project - MOL Reception

Zirku Island - Process to Storage System

Sleipner-Karsto Condensate Pipeline

El Borma Stage 2

OZ-2 34 Inch Crude Oil Pipeline

Shah Gas Spiking Project

Total ABK to Das Island Export Pipeline

CO2 Removal System

PIPELINE SYSTEMS STUDIED (Including Refineries & Platforms)



CLIENT

Technip France
Technip Geoproduction
Techpro Mining & Metallurgy
Texaco North Sea UK Company

The Associated Octel Co
The Government Pipeline & Storage System
Total Oil Marine

Total UK Ltd
Trident House Consultants
Turgis Technology (Pty)
Wimpey M E & C
Wood Group Engineering

Wood Group Engineering (North Sea)

Woodall-Duckham

Woodside Energy Ltd (Australia)
Woodside Petroleum

PROJECT

Oman / India Fertilizer Project Ammonia Loading Line
Replacement of 30 Inch MOL - Zakum to Das Island
Sarcheshmeh Copper Oxide Project
CATS to Forties Sealine Transient Analysis
Everest Condensate Pumps Dynamic Simulation
Still Vent System Transient Analysis
Kerosene Supply Pipeline
Alwyn North to Ninian Pipeline Rupture
Bruce Oil Export Pipeline
Bruce Area Development
Dynamic Simulation of North Alwyn Pipe Loads
Milford Haven - Main Line Pipeline Study
Shell UK Oil Plymouth Terminal Redevelopment
Control Valve Test Station
Nigg Oil Terminal Facilities
Montrose Import to Forties FC
Triton FPSO - Seawater Crude Oil Transfer Systems
CATS System & Everest Condensate Pumps
North Alwyn B Platform Additional Gas Blowby
Alwyn Bay
Buta III to F 467
Buta III to NF 40 A/B
Olefines 6 to NF 40 A/B
Naptha Transfer Scheme
C5 Transfer to North Tees Storage - ICI
C7 Transfer to North Tees Storage - ICI
C6 Transfer to North Tees Storage - ICI
Line M119 - Olefines 5 to NF1
Pluto LNG - MEG Delivery System (Commissioning Simulations)
Wanaea & Cossack Supplementary Dynamic Simulation
Wanaea & Cossack Projects