Capability

Fingleton White

Gas Networks Engineering

Gas

Fingleton White is the leading Gas Networks Consultancy in Ireland

Fingleton White was set up in 1981 to service the energy sector in Ireland. Since its launch the company has been at the heart of delivering many of the key natural gas, oil and power generation infrastructural projects nation wide. It is the leading company of Engineers and Project Managers in the energy sector and holds a number of patented designs. Since its inception, Fingleton White have completed projects with a capital value exceeding half a billion Euros.

Fingleton White have successfully completed a 16,000MW gas station, 450 km of gas pipelines, 30 km of fibre network, 15 hydroelectric stations, 70MW of CHP facilities, waste to energy projects, numerous industrial refrigeration systems and boiler house upgrades. Our R&D and feasibility studies in the use of innovative technologies in the energy sector includes aviation fuel pipeline, district heating, domestic CHP, the use of compressed natural gas as a virtual pipeline and as a future fuel for vehicles.

ISO 9001:2008 EQA QUALITY ASSURED COMPANY

ISO 14001:2004 EQA ENVIRONMENTAL APPROVED SYSTEM

OHSAS 18001:2007 EQA OCCUPATIONAL, HEALTH & SAFETY APPROVED SYSTEM

Gas Interconector Station

Fingleton White was appointed by Bord Gais Networks to design and build the Gas Interconnection Receiving Station at Gormanston, Co. Dublin. The design included permanent pigging facilities (30" & 36") coupled with 2-stage cyclonic filtering system and Ultrasonic fiscal metering. Gas pressure and flow was regulated by using electrically actuated Mokveld valves with an Inlet design pressure of 148 bar and outlet design pressure 85 bar. Maximum gas throughput 1.MSCMH (16,000MW). The scope included the complete electrical & instrumentation design for the new Interconnector station. Our design of electronically controlled valves allowed the use of a sophisticated control algorithm, implemented in the on-site ICS Triplex ESD System. The project formed part of Bord Gáis Eireann's "Gas 2025" project to reinforce the natural gas network in Ireland.

Concept to Completion

Fingleton White provides a complete range of Engineering Services from conceptual design through to final commissioning

Services Fingleton White Provide

Fingleton White provide a full range of design, construction and commissioning services to Natural Gas Transmission and Distribution systems operators in Ireland and the UK and to large industrial energy users. These services range from high level capacity planning and conceptual studies through to full EPCM. In recent years, Fingleton White has played a major role in the modernisation, refurbishment and upgrade of the low pressure urban natural gas infrastructure throughout Ireland.

- *Conceptual Design*
- *AGI Design*
- *Pipeline Design*
- *Route Selection & Wayleaves*
- *Health & Safety*
- *Cost Management*
- *Material Tendering & Procurement*
- *Construction Tender Document Preparation*
- *Evaluation of Construction Tenders*
- *Welding Inspection*
- *Construction Management*

Conceptual Design.

The conceptual design briefs undertaken by Fingleton White are typically reinforcement planning, routing studies and capacity evaluations for high and low pressure natural gas networks. However, in recent years our conceptual work has expanded to applications of Compressed Natural Gas both as a virtual pipeline and as a fuel for use in road vehicles.

Route Selection & Wayleaves

Fingleton White's services include the provision of all wayleaves, planning, regulatory and environmental permits undertaken on behalf of our clients. Our comprehensive set of in-house standards ensures that our documentation meets with, and exceeds current best practies.

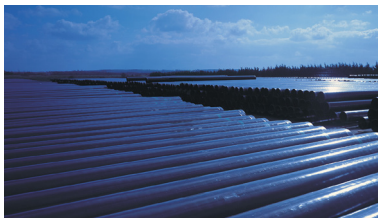
Cost Management

Our accurate budget estimating techniques allow us to produce reliable final cost projections. This, combined with our experienced construction management and Quantity Surveying team ensures that budget overruns are avoided.

Gas Networks

Material Tendering and Procurement

Fingleton White operates a fully documented and transparent material procurement service that integrates with our clients' ERP systems.



Construction Tender Documents Preparation

The principal deliverable of the detailed design process is a comprehensive concise set of tender documents that construction contractors can readily use as a basis to their tender price. Our engineers and quantity surveyors take particular care to ensure that they are as complete as possible at the time of tender.

Evaluation of Construction Tenders

Our inclusive work breakdown structure and formatted bill of quantities issued with the tender make the Construction Tender evaluation process very straightforward. They allow the contractors to set a transparent price and to compete on a level playing field. We provide a detailed evaluation of all tenders and make recommendations to the client based on cost, quality and schedule.

Welding Inspection

Our team of certified weld inspectors provide a fully documented NDT file for handover to the client

Construction Management

Fingleton White provide an "end to end" Construction Management service that covers design support, site supervision,pre-commissioning and commissioning to a fully operational plant ready for handover. The services provided include monthly reporting of all site activities where we keep the client appraised of progress by updating and reporting on the contract schedule. Our Engineers and Quantity Surveyors provide certification of monthly contract valuations and firm but fair contract close-out.

Gas Networks

CNG as a Virtual Pipeline

Fingleton White has been involved in the use of CNG (Compressed Natural gas) as a virtual pipeline. We have conducted economic and technical studies on the use of tanker transportation of natural gas to industrial sites, and have designed gas loading and unloading stations.

CNG as a Fuel in Transportation

Along with economic consultants DKM, Fingleton White researched the economic and technical implication of the use of CNG as a fuel in public transportation on behalf of Bord Gais Networks and Bus Eireann

Above Ground Installations and Metering

Our Innovative design of high pressure AGIs has led to significant cost savings for our clients. We have designed, upgraded and refurbished over 100 AGIs in Ireland and the UK and we are currently upgrading over 3000 Industrial and Commercial metering installations throughout Ireland.

Our AGI and Metering Experience

End User/Project	Year	Project Description / Equipment
Northern Gas Networks	On-going	Design Framework
Bord Gais Networks	On-going	Industrial and Commercial Meter Replacement
Wales & West Utilities	On-going	Upgrades and modifications to 24 existing AGI's.
Bord Gais Networks	2009	Curraleigh West to Midleton Pipeline
Marchwood	2008	Clients Engineer for a 22 km Lockerley to Marchwood natural gas pipeline
Bord Gais Networks	2007	Spencer dock AGI
Bord Gais Networks	2005	EPCM of 8km Aghadowey to Ballymoney natural gas pipeline
Bord Gais Networks	2005	Design and project management of 4km natural gas pipeline from Dunaird to Ballmena
BGE (NI)	2004	EPCM of 112km North-West natural gas pipeline
Bord Gais Networks	2004	EPCM of 12km Galway City natural gas pipeline
Bord Gais Networks	2002	Construction of new Greenfield AGI
Bord Gais Networks	2001	Engineering and Procurement of a 6km Aughinish Alumina natural gas pipeline and AGI

Gas Networks

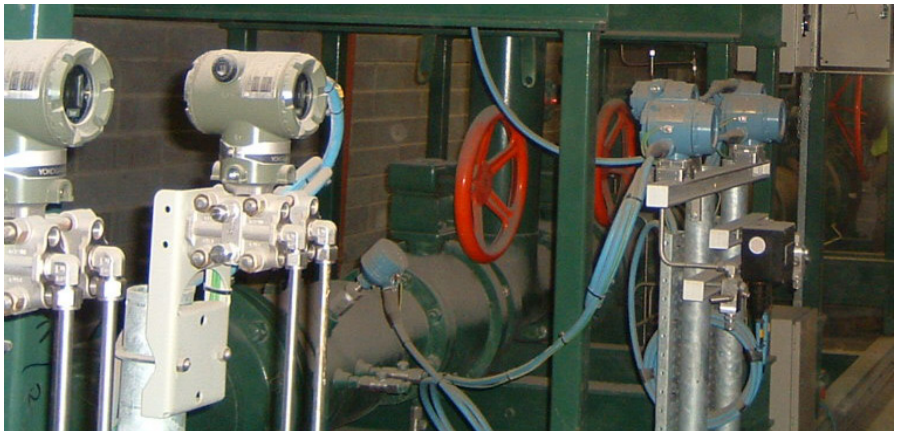
New AGI built in the heart of Dublin's Docklands

Bord Gáis Éireann awarded Fingleton White the project management and construction supervision of the new Spencer Dock AGI which has been constructed on North Wall Quay, Dublin. The AGI facilitates 4 Bar and mBar gas supplies to the local distribution network. The flow is metered at the 19bar inlet. Separate rooms in the AGI building were provided for Transmission, Distribution and Control and Instrumentation equipment.A hot tap off-take from the existing 300mm, 19Bar Dublin City Pipeline was an integral part of the project.

Due to its location on the Dublin Docklands in an area of high visual amenity, the exterior of the building was architecturally designed and clad with glass panels and flocking while still maintaining compliance with the relevant natural gas codes and standards.

The project in general was constructed in accordance with the Local Authorities Recommendations and Conditions with the aim of providing a proper development and compliance with visual amenity within the locality.

Gas Networks



Spencer Dock AGI

BORD GÁIS NETWORKS

Scope

Design and construction of a new AGI – 19bar-4bar-mbar – 15,000SCMH. Hot tapping existing 300mm 19bar pipeline.

Client

Bord Gais Eireann

Commissioned

2007

Services Provided

Full Consultancy for project including:·

Feasibility Report
Construction Tender Document

Conceptual Design
Construction Supervision

Budget Estimate
Welding Inspection

Detailed Design
Records and Documentation

Material Tendering and Procurement
Certification of Interim Payments

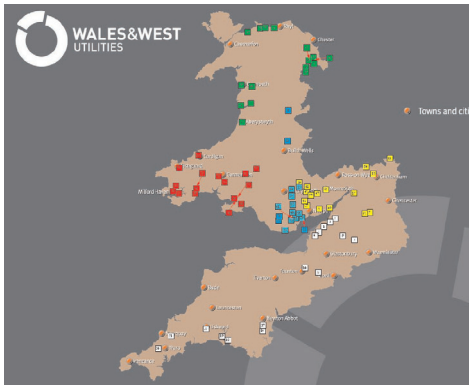
Site Acquisition
Final Accounts

Planning and Statutory Approvals
Health & Safety Plan

Fingleton White

Fingleton White awarded contract by Wales West Utilities for major AGI Upgrade program

Wales & West Utilities (WWU) was launched on 1 June 2005 and has circa 35,000km of gas pipelines covering Wales and the South West of England. WWU covers one sixth of the UK landmass and its catchment area has a population of 7.4 million, and serves around 2.4 million gas customers.



Surveys of the AGI asset base confirmed the need for a programme or programmes of specific improvements / refurbishment to be undertaken over a wide range of sites dispersed over the entirety of the operating area. As part of the initial upgrade work Fingleton White were appointed specifically to conduct site surveys and produce appropriate designs for upgrading and modifying 24 existing AGIs - 25bar-2bar-mbar - 1,000 to 5,000SCMH. Replacement of obsolete waterbath heaters with heat exchangers / boilers. Hot tapping existing 150mm 25bar pipeline and upgrading electrical and instrumentation installations.

Gas Networks

Wales West Utilities AGI Upgrade

WALES&WEST UTILITIES

Scope

Design of upgrades and modifications to 24 existing AGI's - 25bar-2bar - mbar - 1,000 to 15,000SCMH.

Client

Wales & West Utilities

Commissioned

On-going

Services Provided

- Site Surveys
- GL5 / EL14 Appraisals
- Design Reports & Calculations
- Site SIL Assessments
- HAZOP / HAZID / HAZCON
- Material Take-offs
- CDM Risk Registers
- Datasheets
- Hazardous Area Identification
- Electrical & Instrumentation Design

Fingleton White

A major upgrade to 35 Bord Gáis Éireann AGI's, all over Ireland.

Bord Gáis Éireann awarded the project management of 35 Gas Stations in the Carlow, Cavan, Cork, Dublin and Limerick area. This included the design, material procurement, planning and construction of all sites.

Three of the stations were underground facilities within parkland area and the remaining stations were upgrades of exisitng stations or new ones on green field sites. All stations were designed to output 4 Bar gas to the reinforce the Distribution mains with a separate room where appropriate to house the mBar pressure reduction units for the surrounding area. The inlets to the station varied from 70 Bar to 40 Bar to 19 Bar, with throughput varying from 5,000 SCMH to 50,000 SCMH.

The facilities once operational became part of the transmission network and are maintained by BGE staff members.

The projects in general were constructed in accordance with the local councils and the adjacent landowners recommendations and consent with the aim of having least visual impact on the surrounding area.

Gas Networks

BGE Gas Station Upgrades

BORD GÁIS NETWORKS

Scope

Design, material procurement, planning and construction and project management of 35 Gas Stations

Client

Bord Gáis Éireann

Commissioned

1999 -2003

Services Provided

- Conceptual Design
- Budget Estimate
- Detailed Design
- Material Tendering and Procurement
- Site Acquisition
- Planning and Statutory Approvals
- Health & Safety Plan
- Construction Tender Document
- Construction Supervision
- Welding Inspection
- Records and Documentation
- Certification of Interim Payments
- Final Accounts

Fingleton White

Fingleton White design and construct greenfield AGI

This project scope involved the construction of a new greenfield AGI to connect to the existing West Cork Pipeline and provide a reduced pressure offtake to reinforce the local 4 bar distribution network.

Fingleton White delivered the complete Mechanical, Civil, Electrical Control and Instrumentation Design and Project Management from concept to commissioning of Whites Cross Above Ground Installations (AGI's). The project involved the detailed engineering design, material procurement and construction supervision of the complete AGI including temporary pig trap, gas filtration, metering, heating and pressure reduction facilities.

The AGI is designed to process 101 MW (10,000 SCMH) at 70 barg design pressure and provide a 3 bar outlet pressure. The AGI includes gas filtration, metering, preheat and pressure reduction facilities. The gas processing and heating equipment is housed in a single vendor supplied acoustic enclosure and provides a compact overall footprint reducing land acquisition costs. A hot tap was necessary to connect the AGI to the adjacent 70 bar transmission pipeline.

Gas Networks

White's Cross AGI

BORD GÁIS NETWORKS

Scope

Mechanical, Civil, Electrical and Control and InstrumentationDesign and Project Management

Client

Bord Gais Eireann

Commissioned

2002

Services Provided

- Conceptual Design
- Detailed Design
- Budget Estimation
- Site Acquisition
- Material Tendering and Procurement
- Planning and Statutory Approvals
- Construction Tender Documentation
- Construction Supervision
- Off Site and Onsite Welding Inspection
- Records and Documentation

Fingleton White

Fingleton White implement Industrial and Commercial Meter Replacement Project on behalf of Bord Gais Network

Fingleton White were appointed by Bord Gais Networks to project manage the replacement and upgrade of 1077 industrial / commercial meter installations in Dublin, Cork, Limerick, Tipperary, Waterford, Carlow, Cavan, Kildare, Kilkenny, Louth, Meath and Wicklow.
This includes the site survey, design and supervision of construction works.

The project scope covered I/C installations operating at low (75 mbar) and medium (4 bar) pressures, that range in capacity from G16 (25 scmh) to G400 (650 scmh). Site selection was based on a number of criteria including age, obsolescence and ATEX compliance. As part of the site survey, all installations are assessed for ATEX compliance.

As a minimum, every meter over 20 yrs. old that is confirmed as burning gas is replaced, with the addition of a data logger or volume corrector that transmits gas flow readings on a daily basis.

Gas Networks

Meter Replacement

BORD GÁIS NETWORKS

Scope

Replace and upgrade 1077 industrial / commercial meter installations.

Client

Bord Gais Eireann

Commissioned

September 2011

Services Provided

- Site Survey
- Detailed Design
- Cost Estimate
- Construction Supervision
- Manage Customer Contact

Fingleton White

Fingleton White implement Industrial and Commercial Meter Replacement Project on behalf of Bord Gais Network

Fingleton White were appointed by Bord Gais Networks to project manage the replacement and upgrade of 1631 industrial / commercial meter installations in Dublin, Cork, Limerick, Clare ,Tipperary, Waterford, Carlow, Cavan, Kildare, Kilkenny, Louth, Meath, Wicklow and Monaghan. This includes the site survey, design and completion of assest capture records.

The project scope covered I/C installations operating at low (25 mbar) and medium (4 bar) pressures, that range in capacity from G16 (25 scmh) to G650 (1000 scmh). Site selection was based on a number of criteria including age, obsolescence and ATEX compliance. As part of the site survey, all installations are assessed for ATEX compliance.

As a minimum, every meter manufactured before 1998 that is confirmed as being in use is replaced, with the addition of a data logger or volume corrector that transmits gas flow readings on a daily basis.

Gas Networks

Meter Replacement (PC3)

BORD GÁIS NETWORKS

Scope

Replace and upgrade 1631 industrial / commercial meter installations.

Client

Bord Gais Eireann

Commissioned

December 2012

Services Provided

Site Survey

Detailed Design

Cost Estimate

Manage Customer Contact

Create assest capture records

Fingleton White

Our Pipeline Experience

End User/Project	Year	Project Description / Equipment
Bord Gais Networks	2009	Curraleigh West to Midleton Pipeline
Bord Gais Networks	2005	Dunaird to Ballymena Pipeline
Bord Gais (NI)	2005	Aghadowey to Ballymoney Pipeline
Bord Gais (NI)	2004	Northwest Pipeline
Bord Gais Networks	2004	Galway City Pipeline
Marchwood Power	2004	Lockerley to Marchwood Pipeline
Bord Gais	2001	Aughinish Alumina Pipeline
Bord Gais Networks	2000	West Cork Pipeline

Gas Networks

Curraleigh West to Midleton Pipeline Co. Tipperary & Co. Cork

The Curraleigh West to Midleton Gas Pipeline is a 600mm diameter, fully welded steel pipeline which runs approximately 47km cross country from Curraleigh West AGI on the existing Cork-Dublin Pipeline to Midleton Compressor Station on the outskirts of Midleton Co. Cork. The pipeline is required in order to reinforce and secure the supply of natural gas in the Cork area and is designed to transmit Natural Gas at a maximum pressure of 85bar, to cater for the domestic, commercial and industrial requirements of the greater Cork area.

Fingleton White / Fehily Timoney, a joint venture company between Fingleton White and Fehily Timoney, were commissioned by Bord Gais Eireann as Consultant Engineers for the design and construction of the pipeline.

The scope of works includes routing and feasibility studies for the pipeline, liaison with all relevant statutory and public bodies, submission of a planning application under the Strategic Infrastructure Act 2006 including Environmental Impact Statement, safety studies, tender appraisal, appointment of a construction contractor and supervision of construction, testing and commissioning

Gas Networks

Curraleigh West to Midleton Pipeline

BORD GÁIS NETWORKS

Scope

EPCM of an 47km, 600mm, 85bar, 20kSCMH natural gas pipeline

Client

Bord Gáis Networks

Commissioned

October 2009

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Material Tendering and Procurement
- Health & Safety Plan
- Planning and Statutory Approvals
- Construction Supervision
- Construction Tender Document
- Welding Inspection Records and Documentation
- Certification of Interim and Final Accounts

Fingleton White

Supplying National Gas to the 400MW Coolkeeragh CCGT Power Station

The North-West Pipeline is a 450mm diameter, fully welded steel pipeline which runs approximately 112km across country from Carrickfergus Co. Antrim to Coolkeeragh Co. Derry. The pipeline is designed to transmit 200,000 Standard Cubic Meters of Natural Gas per hour (2,027 MW) at a maximum pressure of 85bar. The pipeline design includes an off-take station and hot-tap from the Phoenix Transmission Pipeline, 5no. intermediate Block Valve installations which are designed to cater for future pressure reduction facilities or off-takes and a terminal pressure reduction facility in the grounds of the Coolkeeragh Power Station in Derry.

Fingleton McAdam, a joint venture company between Fingleton White and McAdam Design Ltd of Newtownards Co. Down, were commissioned by BGE (Northern Ireland), a subsidiary of Bord Gais Eireann, as Consulting Engineers for the design and construction of the pipeline. The scope of works included routing and feasibility studies for the pipeline, liaison with all relevant statutory and public bodies, submission of a planning application including Environmental Statement, safety studies, material procurement, tender appraisal, appointment of a construction contractor and supervision of construction, testing and commissioning.

Gas Networks

The joint venture company successfully managed the project to budget and programme over the 3 year project life span and achieved the targeted commissioning date of October 2004.

North-West Pipeline

BORD GÁIS NETWORKS

Scope

EPCM of a 112km, 450mm, 85bar, 200kSCMH natural gas pipeline

Client

Bord Gáis (NI)

Commissioned

2004

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Material Tendering and Procurement
- Health & Safety Plan
- Planning and Statutory Approvals
- Construction Supervision
- Construction Tender Document
- Welding Inspection Records and Documentation
- Certification of Interim and Final Accounts

Fingleton White

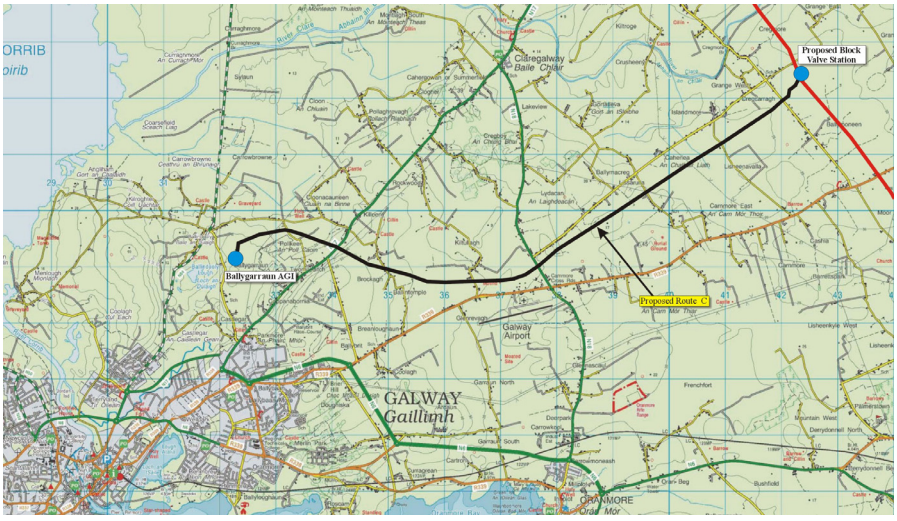
Bringing Natural Gas to Galway City

Bord Gáis Networks awarded the project management of a 12km pipeline to supply Galway city. This included the design, material procurement, planning and construction of the pipeline and an above ground gas installation.

The pipeline is12km in length and constructed from 300NB continuously welded carbon steel pipe. The pipeline design pressure is 88 Bar with a flow of 60,000 SCMH. A gas pressure reduction station to reduce the pressure from 88 Bar to 19 and 4 Bar was built in Ballygarraun. This consisted of heating, metering and pressure reduction equipment. The station is also servicing a 6.6km 315mm PE pipeline with a design pressure of 4 Bar and a flow of 45,000 SCMH. Three fibre optic ducts are laid in the trench with the high pressure main and medium pressure PE main to allow for the future installation of fibre optic cables to Galway.

From an environmental viewpoint, pipelines safely managed have minimal effect and ensure a security of supply to natural gas customers nationwide. The pipeline and pressure reduction station are now operational and became part of the transmission and distribution network which is maintained by BGE staff members.

Gas Networks



Galway City Pipeline

BORD GÁIS NETWORKS

Scope

EPCM of a 12km, 300mm, 8bar, 60 kSCMH natural gas pipeline

Client

Bord Gáis Networks

Commissioned

2004

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Material Tendering and Procurement
- Health & Safety Plan
- Construction Tender Document
- Planning and Statutory Approvals
- Welding Inspection
- Records and Documentation
- Certification of Interim and Final Accounts

Fingleton White

Pipeline to Aughinish Co. Limerick, Ireland.

Bord Gáis Éireann awarded the project management of a 6km pipeline to supply Aughinish Alumina. This included the design, material procurement, and planning of the pipeline and an above ground gas installation.

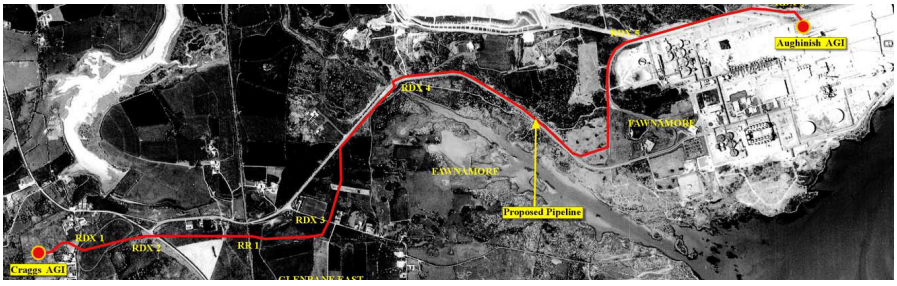
The pipeline is 6km in length and constructed from 300NB continuously welded carbon steel pipe. The pipeline design pressure is 85 Bar with a flow of 78,000 SCMH.

A gas pressure reduction station to reduce the pressure from 85 Bar to 4 Bar was built on Aughinish Island. This consists of heating, metering, filtering and pressure reduction equipment.

The station also services Aughinish Alumina with a design pressure of 25Bar and a flow of 78,000 SCMH.

From an environmental viewpoint, pipelines safely managed have minimal effect and ensure a security of supply to natural gas customers nationwide. The pipeline and pressure reduction station, became part of the transmission and distribution network.

Gas Networks



Aughinish Alumina Pipeline

BORD GÁIS NETWORKS

Scope

Engineering and Procurement of a 6km, 300mm, 85bar, 70kSCMH natural gas pipeline and AGI

Client

Bord Gáis Éireann

Commissioned

2001

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Health & Safety Plan
- Planning and Statutory Approvals

Fingleton White

Supplying ESB's UK Power Station with Natural Gas

The Lockerley to Marchwood Pipeline is a 600mm diameter, fully welded steel pipeline which runs approximately 22km cross country and roads supplying Marchwood Power Station in Southhampton. The pipeline is designed to transmit 230,000 Standard Cubic Meters of Natural Gas per hour (2,330 MW) at a maximum pressure of 75bar.

The pipeline design includes an off-take station and hot-tap from the NTS to pressure reduction facility in the grounds of the Marchwood Power Station.

Fingleton White/BPA were commissioned by ESBI to act as Client Representive for the design and construction of the pipeline. The scope of works includes review and advice on routing and feasibility studies for the pipeline, liaison with all relevant statutory and public bodies, Environmental Statement, safety studies, material procurement, tender appraisal, appointment of a construction contractor and supervision of construction, testing and commissioning.

Gas Networks

Lockerley to Marchwood Pipeline

Marchwood
MARCHWOOD POWER LIMITED

Scope

Client Engineer for a 22km, 600mm, 75bar, 230 kSCMH natural gas pipeline

Client

Marchwood Power Ltd.

Commissioned

March 2008

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Material Tendering and Procurement
- Health & Safety Plan
- Construction Tender Document
- Construction Supervision
- Planning and Statutory Approvals
- Welding Inspection
- Records and Documentation
- Certification of Interim and Final Accounts

Fingleton White

Dunaird to Ballymena Pipeline Co. Antrim, Northern Ireland.

The Dunaird to Ballymena Pipeline is a 150mm diameter, fully welded steel pipeline which runs approximately 4km cross country from Dunaird AGI on the North-West Pipeline to Woodside Industrial Estate on the outskirts of Ballymena Co. Antrim.

The pipeline is designed to transmit 20,000 Standard Cubic Meters of Natural Gas per hour (203 MW) at a maximum pressure of 85bar, to cater for the domestic, commercial and industrial requirements of the Ballymena area.

FingletonMcAdam, a joint venture company between Fingleton White and McAdam Design Ltd of Newtownards Co. Down, were commissioned by BGE (Northern Ireland), a subsidiary of Bord Gais Eireann, as Consultant Engineers for the design and construction of the pipeline.

Gas Networks

The scope of works includes routing and feasibility studies for the pipeline, liaison with all relevant statutory and public bodies, submission of a planning application including Environmental Statement,safety studies, tender appraisal, appointment of a construction contractor and supervision of construction, testing and commissioning.

Design and Project Management

BORD GÁIS NETWORKS

Scope

In association with McAdam Design the Design and Project Management of 4 km Natural Gas Pipeline from Dunaird to Ballymena including 2 No related AGIs.

Operating Pressure 85 bar
Diameter 150mm NB

Client

Bord Gais Eireann (NI)

Commissioned

2005

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Material Tendering and Procurement
- Health & Safety Plan
- Planning and Statutory Approvals
- Construction Supervision
- Construction Tender Document
- Welding Inspection Records and Documentation
- Certification of Interim and Final Accounts

Fingleton White

Aghadowey to Ballymoney Pipeline Co. Derry, Northern Ireland.

The Aghadowey to Ballymoney Pipeline is a 150mm diameter, fully welded steel pipeline which runs approximately 8km cross country from Aghadowey AGI on the North-West Pipeline to a proposed AGI (Macfinn Lower) approximately midway between Coleraine and Ballymoney. The pipeline is designed to transmit 20,000 Standard Cubic Meters of Natural Gas per hour (203 MW) at a maximum pressure of 85bar, to cater for the domestic, commercial and industrial gas requirements of the Coleraine and Ballymoney areas.

Fingleton McAdam, a joint venture company between Fingleton White and McAdam Design Ltd of Newtownards, Co. Down, were commissioned by BGE (Northern Ireland), a subsidiary of Bord Gais Eireann, as Consultant Engineers for the design and construction of the pipeline.

The scope of works includes routing and feasibility studies for the pipeline, liaison with all relevant statutory and public bodies, submission of a planning application including Environmental Statement, safety studies, tender appraisal, appointment of a construction contractor and supervision of construction, testing and commissioning.

Gas Networks

Aghadowey to Ballymoney Pipeline

BORD GÁIS NETWORKS

Scope

EPCM of an 8km, 150mm, 85bar, 20kSCMH natural gas pipeline

Client

Bord Gáis Éireann (NI)

Commissioned

September 2005

Services Provided

- Route Selection
- Preliminary Routing / Feasibility Report
- Project Budget
- Environmental Impact Statement
- Detailed Routing
- Risk Assessment
- Wayleave Acquisition
- Material Tendering and Procurement
- Health & Safety Plan
- Planning and Statutory Approvals
- Construction Supervision
- Construction Tender Document
- Welding Inspection Records and Documentation
- Certification of Interim and Final Accounts

Fingleton White