

Ports of Scotland

Yearbook

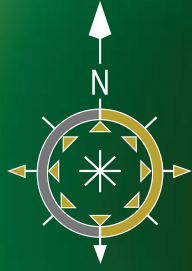


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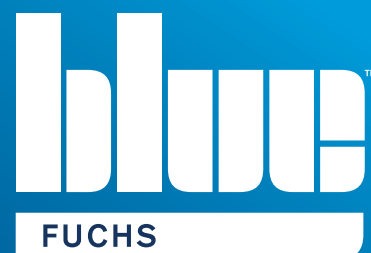


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Cover photograph
Aerial view of Port of Nigg

Price £30.00

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THE PORT OF
NIGG

EUROPE'S LEADING IRM SPECIALISTS

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ENHANCEMENT
MAINTENANCE
AND LIFE
EXTENSION
SOLUTIONS TO
REDUCE RISKS &
ASSET DOWNTIME**

With a proven track record in the inspection, repair, enhancement and maintenance of mobile drilling rigs, offshore support vessels and floating production assets, Global Energy Group is the leading provider of construction and maintenance services to the offshore oil and gas industry. Operating from various worldwide locations, including the Cromarty Firth, where the Group own and operate the Nigg Energy Park, our schedule focused teams provide turn-key solutions to deliver fast-track projects, mitigating risk of lost revenue accrual during yard stay.

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...working together for success



Port of Nigg

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Senior Vice President: Graham Cowperthwaite

Location: Latitude: 57° 41.7'N
Longitude: 0.4° 01.8'W



The Port of Nigg is one of Scotland's most important energy industry facilities and is widely acknowledged as the foremost facility of its kind, providing unique turnkey solutions for customers in the international energy industry.

Owned and operated by the Global Energy Group, the multi-user facility - the largest open port facility in the Moray Firth - boasts 1,000 metres of operational deep-water quay and one of the finest dry docks of its kind in Europe.

Highly accessible at its location at the entrance to the Cromarty Firth, the port has a well-established, successful track record across the traditional spectrum of service delivery for the offshore oil and gas industry.



It is also leading the way in meeting the evolving needs of the 21st Century energy industry - from delivering major projects on Floating Production Assets to providing the facilities and skills required by companies developing pioneering offshore renewable energy generation schemes.

The Port of Nigg is renowned as an ideal location to support the oil and gas industry's largest inspection, repair and maintenance and subsea projects.



Offering direct access to sheltered deep water quays and a full suite of marine assets and personnel available, the facility remains operational 24-hours-a-day, 365-days-a-year, to ensure delivery of fast track, high quality construction and maintenance projects. In Nigg's landmark, extensive fabrication shops, subsea and other specialist steel fabrication projects are carried out for customers around the world.

With 700,000m² of adjoining land, extensive storage and laydown areas, multiple project offices for clients, on-site accommodation as well as services, including mobile and crawler cranes, stevedoring, ships agency, tugs, workboats and barges, and a highly skilled, experienced workforce, the port is of key strategic importance to the future development of Scotland's energy industry.



THE PORT OF NIGG

GLOBAL ENERGY GROUP **HAS
ESTABLISHED A LEAD** IN THE UKCS
FLOATING PRODUCTION MARKET

Although a relatively recent source of new work for UK ports, Nigg has rapidly established itself at the forefront of project delivery for Floating Production assets. Nigg's growing experience in this competitive market is all the more impressive given that to date only two other UK ports have attracted single Floating Production projects and just six European facilities have a track record in the field.

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The completion of the south quay project in early 2015, which involved the re-facing of the entire length of the front quayside, along with the construction of a new 180 metre quay is playing a critical role in attracting major projects to the port. Customers benefit from unrivalled quayside access – longer than any facility in the area. With 12 metres of water and direct access to laydown areas, the Port of Nigg is designed to support a wide range of industry requirements.

While in the initial years since Global's acquisition of the site in 2011 much activity at Nigg focussed on IRM projects for drilling rigs and supply vessels, the scope of projects undertaken for the offshore oil and gas sector has since expanded to include topside modifications and work on Floating Production assets.

Although a relatively recent source of new work for UK ports, Nigg has rapidly established itself at the forefront of project delivery for Floating Production assets. In July 2013 the arrival of Bluewater's 252-metre-long Haewene Brim Floating Production Storage and Offloading vessel (FPSO) marked an exciting milestone in the port's continuing strategic development. Working alongside the FPSO's owners and engineering



firm Amec, Global carried out topside modifications, including the accommodation of a subsea tieback for use at the vessel's destination on Lundin Petroleum's Brynhild field.

The port established a lead among UK facilities in the Floating Production market in the summer of 2016 with the arrival of Statoil's new 250-metre-long Mariner B vessel following a 15,800 nautical mile voyage from a South Korean construction yard. Work carried out included the installation of a locally-fabricated fiscal metering package and various logistics and fabrication support before the vessel continued out to the Norwegian operator's Mariner field.

Nigg's growing experience in this competitive market is all the more impressive given that to date only two other UK ports have attracted single Floating Production projects and just six European facilities have a track record in the field.

With 23 Floating Production assets currently in UK Continental Shelf waters and Global's strong working relationships with companies engaged in their operation, Nigg's involvement in Floating Production projects is expected to continue to develop.



With a growing fleet of the most technologically advanced mobile heavy cranes in the industry, operated by experienced personnel, the team at Global Port Services has established itself as a key member of the supply chain.

The company also provides a comprehensive range of port agency and marine logistics services, with depots in Aberdeen, Invergordon and Nigg and are ideally placed to provide clients with an unparalleled solution with crane capacity ranging from 50t up to 1,000t.

**ABERDEEN
INVERGORDON
NIGG**

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Caledonian Towage is one of the Europe's premier providers of towage and marine services – from all aspects of harbour towage to coastal and deep sea contract tows.

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The port's versatility as a modern, flexible, multi-sector facility has continued to be demonstrated throughout 2016, highlighted by its selection for key roles in two important offshore renewables projects.

With Global already a supplier to MeyGen - the world's largest free stream tidal power project - Nigg was chosen as the base for provision of a range of turbine fabrication, manufacture, assembly and logistical support services for the 398MW scheme in the Pentland Firth.

An agreement signed between Global and turbine supplier Siemens will also see Nigg become the main location for offshore construction and marshalling works for Beatrice Offshore Windfarm Ltd (BOWL). Led by SSE, the BOWL joint venture will see 84 turbines, capable of generating 588MW of renewable energy, installed in the Moray Firth, with offshore construction getting underway in 2017.

Looking to the future, the port's capacity and capability to continue playing a key role in the development of renewable energy has also been recognised with the signing of a Memorandum of Understanding between Global and Moray Offshore Renewables Ltd. The two companies are in discussions over the suitability of the facility to build turbines for the Moray

Firth Offshore Wind Farm, which has the potential to support up to 2,400 jobs during its construction and 330 through operations and maintenance.

The port continues to support IRM work on semi-submersible and jack-up rigs and has enjoyed an upsurge in subsea construction vessels coming alongside to make use of the upgraded deep water quayside facilities. In October 2016, Nigg recorded its 100th vessel call of the year – an increase of 32 on the same period in 2015 – with the visit of the Norwegian-based DOF Group's high-powered anchor handling ship Skandi Skansen.

Global Energy Group remains one of Scotland's most successful and dynamic privately owned companies, employing around 3,500 personnel in the UK and key international energy hubs.

Japanese corporation Mitsui & Co took a 25% share in the family-run business in 2012 and continues to support the development of the group to become the leading energy industry partner, offering construction and maintenance solutions around the world.

The image of Nigg; the modern multi-user facility, is a picture that will continue to change and improve.

The Port of Nigg offers extensive serviced open and undercover storage areas



Port Facilities:

BERTHS

DOCK:

Available for operating as both a dry or tidal wet dock, providing flexibility of use to the client.

Dimensions:	300m long x 150m wide Entrance width 120m with single gate.
Length:	315m long x 15m high. (dry)
Depth of water over the cill:	9.14m below CD 13.44m at Mean High Water Springs.
Depth of water in the Dock:	9.065m below CD 13.365m at Mean High Water Springs.
Sheet Quay wall:	240m long with a coaping height of 5.8m above CD.
Dock bottom concrete slab:	238m long x 80m wide.
Permissible loading 3m back:	20.4 tonnes/sq.m. to 15m back 51 tonnes/sq.m.
Note:	Ordnance datum is 2.1m below chart datum.
Moorings:	200 ton SWL Rig mooring bollard system. 30 ton SWL fixed mooring winch system.

SOUTH QUAY:

Length:	370m.
Depth:	12m below CD.
Coaping height:	6 m above CD.
Depth alongside:	16.3m below CD at Mean High Water Springs & 12.7m below CD at Mean Low Water Springs.
Moorings:	300 ton SWL Rig mooring bollard system. 200 ton and 50 ton SWL general shipping mooring system.
Ground loading spread:	4m from quay edge 50 tonnes/m ³ .

WEST FINGER JETTY:

East Side:

Length:	130m.
Depth:	12m below CD.
Coaping height:	6m above CD.
Depth alongside and approaches:	16.3m below CD at Mean High Water Springs & 12.7m below CD at Mean Low Water Springs.

Moorings:

300 ton and 50 ton SWL.

West Side:

Length:	125m.
Depth:	5m below CD.
Coaping height:	6m above CD.
Depth alongside:	9.3m below CD at Mean High Water Springs & 5.7m below CD at Mean Low Water Springs.

Moorings:

300 ton and 50 ton SWL.

South End:

Length:	40m.
Depth:	12m below CD.
Coaping height:	6m above CD.
Notes:	Suitable for stern on working only.

CRANEAGE / CARGO HANDLING

An extensive range of modern mobile and crawler cranes, with full technical and engineering support, are available from 50t up to 1,350t. Forklift trucks up to 16t, Loading shovels, Cargo handling equipment and general plant are all available on site.

CONTAINER HANDLING

Facilities available on site.

NAVIGATION

The channel is marked by navigation buoys and is accessible 24 hours per day 365 days per year.

Haewene Brim FPSO, Nigg Energy Park, 2013
©dgordonphotography



THE PORT OF NIGG



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560t Manifold, fabricated at
Nigg Energy Park for Cygnus field
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PILOTAGE AND CONSERVANCY SERVICES

Pilotage compulsory for ships over 60 metres in length and vessels over 20 metres in length carrying passengers and hazardous substances.

24-hour pilotage service boarding seaward of longitude 4 degrees west. For more info, contact Cromarty Firth Port Authority.

QUAY SERVICES

All quays are provided with connections to the fire main, potable water main and marine gas oil fuel via road tanker. Marine gas oil services will be delivered to the south quay and west finger ex pipeline during 2017.

SECURITY

ISPS registered port with 24 hour gate house security supported by CCTV. All boundaries are fenced.

STORAGE

Extensive serviced open and undercover storage areas are available.

Open storage comprises 130,000m² of construction, assembly and laydown area.

Covered storage comprises shops 1, 2 & 3 (6,158m²), old pipe mill (9,080m²) and insulated warehouse (2,631m²) available all year round to suit project requirements, depending on availability.

TIDAL REFERENCE / RANGE

Chart Datum is 2.1 meters below ordnance datum Newlyn.

Mean low water springs is 0.6 metres above chart datum.

Mean High Water Springs is 4.3 metres above CD.

Spring tide range is 3.7 metres.



Diamond Offshore Ocean Guardian, Nigg Energy Park
©dgordonphotography





South Quay, Nigg Energy Park
©dgonphotography

TOWAGE

The Global Energy Group have invested heavily in dedicated towage capability to support operations at Nigg Energy Park with the acquisition of the former J.P. Knight (Caledonian) Ltd, newly named Caledonian Towage Ltd, located just a few miles along the firth, which operates modern IACS classed tugs of 65 tonnes bollard pull, manned 24 hours.

Contact:

General Manager: Andrew Murray

Caledonian Towage

37 Shore Road, Invergordon, Ross-shire, IV18 0EH

Tel: 01349 852611

Fax: 01349 853087

Email: workboats@geggroup.com

Web: www.caledoniantowage.com

VHF RADIO COMMUNICATION:

"Nigg Energy Park" VHF Radio is available on channel 72 and "Cromarty Firth Port Authority" maintains a 24hr VHF Radio watch on channel 11.

WASTE DISPOSAL

Full facilities are available through vessel agents. All vessels must pre-notify the agent of waste to be landed, as per current regulations.

Contact:

Global Port Services

Nigg Energy Park, Nigg, Ross-shire, IV19 1QU

Oilfield Support Base, Shore Road, Invergordon, IV18 0EX

Tel: 01349 855110

WORKING HOURS

Accessible 24/7/365; No working hour restriction / No noise restrictions.



Operating in the Cromarty Firth, the Inverness Firth, the inner Moray Firth and Caledonian Canal, MF Marine Operations are the leading supplier of marine services and waterborne logistical support in the region.

With over 40 years experience, MF Marine have the ability and expertise to deliver customised solutions to support our customers transportation and marine logistical requirements.

- Workboat and barge hire
- Marine labour services
- Consultancy and project management
- Transportation of cargo and personnel
- Supply of potable water and fuel



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PORT of NIGG

The Port of Nigg is one of Scotland's most important energy industry facilities and is acknowledged as the foremost facility of its kind, providing unique turnkey solutions for customers in the international energy industry.

Largest port facility in the Moray Firth.

One of the finest dry docks of its kind in Europe.

1,000m of operational deep water quay.

Largest dedicated fabrication shops in Europe.

Proven track record in major IRM projects.

Established hub for offshore renewable energy.

Leading service provider for floating production assets.

Unrivalled direct access to the North Sea.

World Class multi-sector facility.

LATITUDE: 57° 41.7'N
LONGITUDE: 0.4° 0.18'W

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