DEPARTMENT OF ENERGY & CLIMATE CHANGE

The Capability & Capacity of the UK Offshore Oil & Gas Fabrication sector

Foreword by Charles Hendry, Energy Minister

Ministerial Foreword

It's my great pleasure to introduce this booklet which showcases the capability and capacity of our UK Fabrication supply chain. I'm sure you will agree it shows an impressive proficiency within this sector, and one which is also mirrored in our UK expertise in Front End Engineering and Design.

Over the last 40 years the majority of UKCS platforms big and small have been built in the UK, including:

- Nexen's Buzzard Utilities & Quarters Deck built at Hartlepool
- Alwyn platforms and Beatrice B platform built at Methil
- Magnus platform and 3 of the Forties platforms built at Nigg

And with the number of developments in the UKCS over the next 5 years being at its highest than at any time in the past 10 years, I hope we can continue this success story with developers providing the opportunity for UK capability and capacity to bid for the work, so we can build upon the skills and expertise we have developed over the past four decades in this sector.

My department is working to ensure visibility of all upcoming developments through Project Pathfinder which is currently tracking around 70 new UKCS projects. 2010 was an exceptional year for the North Sea with 14 major projects being approved by DECC, representing in excess of £6 billion in new investment and the outlook for 2011 is even stronger. This high level of activity is extremely encouraging and will have a positive impact on security of energy supply for the UK. It also is a strong signal to the market of the scale of opportunities in the fabrication sector which I hope will support many quality jobs and energise local economies.

UK companies are demonstrating they have a competitive edge with a number of major projects currently under construction in UK yards including the new Forties 5,900 tonne jacket, 4,000 tonne piles and 5,000 tonne top deck for Apache in the OGN yard on Tyneside, and SLP in Lowestoft having recently won the contract for work on ConocoPhillips' Katy NUI platform. It is important UK companies continue to be competitive in international terms and win a significant share of the contracts coming forward.

The oil and gas industry is a hugely important sector both from the security of energy supply perspective and also for the prosperity and jobs it supports in our national and regional economy. Have no doubt we will continue to pursue policies to ensure we extract as much of our own oil and gas, as is economically possible.

Able UK Limited

NAME:	Able UK Limited
ADDRESS:	Able House Billingham Reach Industrial Estate Billingham, Teeside TS23 1PX
CONTACT NUMBER:	Tel: +44 1642 806 080
CONTACT DETAILS:	Mr Colin Harrison
WEB:	www.ableuk.com

CAPABILITIES AND CAPACITIES

Middlesbrough	
Total Area:	125,000 m^2
Fabrication Area (covered):	21,000 m^2
Assembly and Erection Area:	66,000 m^2
Cranage and Lifting Capacity:	up to 450 t
Load Out Capacity:	10,000 t
Min Water Depth:	7.0 LAT
Max Water Depth:	12.5 MHWS
Other:	

CAPABILITIES AND CAPACITIES

TERRC – Hartlepool	
Total Area:	51 hectares
Fabrication Area (covered):	1,664 m^2
Assembly and Erection Area:	Y
Cranage and Lifting Capacity:	up to 1,500 t
Load Out Capacity:	Yes
Min Water Depth:	8.3m
Max Water Depth:	14m
Other:	
- 10 hectares dry/dock/wet basin	
- Fully licensed with all permissions for fabrication, decommissioning and ship breaking	

PRIOR EXPERIENCE

- Able UK has both the capability and capacity to meet the requirements of an 8,000 jacket and 10,000 tonne deck.
- The company has delivered projects for major operating companies including BP, Shell and Signal Oil. Projects include fabrication of facilities for Brent, Forties and Ravenspur.
- The company has completed jackets of up to 20,000 tonnes, 400 feet high with base dimensions of 275 x 230 feet.
- Able has the largest Dry Dock in the U.K.: 335m x 300m and 14m deep with a 122 wide access gate. This can accommodate FPSO vessels and rig fabrication simultaneously.
- Able Seaton Port is ideally situated on the North Sea coast and is easily accessible only two miles from the Tees Fairway buoy

OTHER INFORMATION

Able UK is privately owned. From its origins in 1966 it has undertaken many commissions involving blue chip companies in the Oil and Gas industry, not only in the construction of rigs and platforms but also in decommissioning (cradle to grave concept). In addition the facility can accommodate numerous Rigs for stacking and refurbishment.

The company is a specialist in the rehabilitation and development of disused sites and facilities such as power stations, oil, gas and petrochemical installations etc, including the disposal of radiation and mercury contaminated materials. It has extensive experience in the break down and recycling of offshore structures.

The company operates four facilities. The Teeside Environmental Reclamation and Recycling Centre (TERRC) is the largest. This facility was acquired in 1996 to support the decommissioning of ships and offshore structures. The facility also acts as an economical and energy efficient multi user centre for the fabrication, fit out, repair and modification of offshore and marine structures

A&P (Tyne) Group

NAME:	A&P (Tyne) Group
ADDRESS:	Wagonway Road Hebburn Tyne & Wear, NE31 1SP
CONTACT NUMBER:	Tel: +44 191 430 8680
CONTACT DETAILS:	Mr Neil Jarvis, Sales & Commercial Director
WEB:	www.ap-group.co.uk

CAPABILITIES AND CAPACITIES

Falmouth	
Total Area:	172,400m^2
Fabrication Area (covered):	4,108 m^2
Assembly and Erection Area:	3,244m^2
Cranage and Lifting Capacity:	up to 60 t
Load Out Capacity:	500 t
Min Water Depth:	5.4 m below CD
Max Water Depth:	7.5 m below CD
Other:	
- Engineering workshop	3,244 m^2
- Electrical workshop	875 m^2
- Joiners workshop	1,014 m^2
- Wharf Space	700m

CAPABILITIES AND CAPACITIES

Tees	
Total Area:	
Fabrication Area (covered):	1,000m^2
Assembly and Erection Area:	
Cranage and Lifting Capacity:	Up to 40 t
Load Out Capacity:	
Min Water Depth:	
Max Water Depth:	
Other:	
- Wharf Space:	250m
Tyne	
Total Area:	324,000m^2
Fabrication Area (covered):	17,500m^2
Assembly and Erection Area:	6,750m^2
Cranage and Lifting Capacity:	Up to 100 t
Load Out Capacity:	500t
Min Water Depth:	6m
Max Water Depth:	11.5m
Other:	
- Steel Workshop:	20,759m^2
- Engineering:	1,235m^2
- Joinery:	475m^2
- Wharf Space:	360m

PRIOR EXPERIENCE

The Group has completed a number of projects over recent years. The majority of the work has been module fabrication for installation on ships e.g. major FPSO conversions – Heawene Brim, Global Producer 3, conversions of vessels to pipe and cable lay for O&G etc.

Recently, the group was awarded the fabrication of 2 No. Mid water arches for the USAN development in Nigeria and is actively pursuing projects with up to 10,000t of steel fabrication.

Fabrication Capacity

- 12000t/year (flat panels)
- Plus UB/YTubular structures (8,000t topsides and 500 – 1000t jackets)

Key Competencies

Marine Conversions

- Complex projects
- FPSO/FSO
- Pipelay
- Cablelay

Fabrication & Assembly

- Subsea structures
- Topsides
- Complex projects

Repair & Regeneration

- Complex projects
- Change of use

OTHER INFORMATION

A&P Group is an engineering services and fabrication company providing clients with tailor-made solutions in the global marine and energy sectors. Established in 1971 as a centre for expertise in ship design and construction the company now operates across a number of sectors, offering a broad range of services associated with marine engineering and fabrication, ship conversion and ship repair. The company operates across three sites and six fully functional, large-scale, dry docks.

The group is actively seeking fabrication work in the oil and gas and renewables sector and continues to pursue pure marine (ship related) contracts alongside other multi-discipline engineering and fabrication contracts.

Babcock Appledore

NAME:	Babcock Appledore
ADDRESS:	Bidna Yard Hubbastone Road, Bideford Appledore, Devon EX39 1LX
CONTACT NUMBER:	Tel: 01237 473 281
CONTACT DETAILS:	Gerald Lee
WEB:	www.babcock.co.uk

CAPABILITIES AND CAPACITIES

Total Area:	81,000m^2
Fabrication Area (covered):	
Assembly and Erection Area:	10,330m^2
Cranage and Lifting Capacity:	Up to 60 t
Load Out Capacity:	
Min Water Depth:	
Max Water Depth:	6.3 m
Other:	

PRIOR EXPERIENCE

No prior experience of fabricating jackets for the oil and gas industry. The company has fabricated numerous vessels ranging in size from 30 m tugs to 132 m vessels for the MoD (approx. 10,000 dwt).

OTHER INFORMATION

The company operates a dry dock facility (128m x 33m) but is restricted in activity due to the sand-bar within the river estuary. The site is currently engaged in fabrication of units for the MoD's new aircraft carriers and in fabrication of 2 offshore patrol vessels due for delivery in 2015.

Babcock Marine (Rosyth) Ltd

NAME:	Babcock Marine (Rosyth) Ltd
ADDRESS:	Rosyth Business Park Rosyth Fife, KY11 2YD
CONTACT NUMBER:	Tel: 01383 412131
CONTACT DETAILS:	Mr Joe McShane
WEB:	www.babcock.co.uk

CAPABILITIES AND CAPACITIES

Total Area:	67,000 m^2
Fabrication Area (covered):	5,600 m^2
Assembly and Erection Area:	7,500 m^2
Cranage and Lifting Capacity:	Up to 50 t
Load Out Capacity:	466 t
Min Water Depth:	9.2 m
Max Water Depth:	9.2 m
Other:	
- Warehouse and storage	10,500m^2

PRIOR EXPERIENCE

Babcock Rosyth has considerable experience in the development of subsea modules up to 500 tonnes. However the company has no experience of jacket fabrication.

The site operated by Babcock has the capability and capacity to construct small jackets but this is not considered to be a target market. Going forward the company's interests lie in the field of decommissioning, specifically the breakdown of smaller modules and the management of specialist, environmentally sensitive materials such as asbestos.

OTHER INFORMATION

Babcock is among the UK's leading engineering support services organisations with revenues of circa £3bn in 2010 and an order book in excess of £12 billion. Defence, energy, telecommunications, transport and education are all sectors where Babcock is active.

Burntisland Fabrications Limited

NAME:	Burntisland Fabrications Limited – Burntisland
ADDRESS:	Seaforth Place, West Shore Burntisland Fife, KY3 9AU
CONTACT NUMBER:	Tel: 01592 222 000
CONTACT DETAILS:	Mr Roy Lascelles
WEB:	www.bifab.co.uk

CAPABILITIES AND CAPACITIES

Burntisland Facility	
Total Area:	133,550
Fabrication Area (covered):	11,200 m^2
Assembly and Erection Area:	5,740 m^2 (x2)
Cranage and Lifting Capacity:	up to 100 t
Load Out Capacity:	5,000 t
Min Water Depth:	
Max Water Depth:	
Other:	
- Open assembly / storage	60,000m^2
- 3x prefab workshops	4,700m^2
- Environmentally controlled storage	3,066m^2

CAPABILITIES AND CAPACITIES

Methil Facility	
Total Area:	
Fabrication Area (covered):	7,900 m^2 (x3)
Assembly and Erection Area:	6,400 m^2
Cranage and Lifting Capacity:	up to 160 t
Load Out Capacity:	20,000 t
Min Water Depth:	
Max Water Depth:	
Other:	
- Open assembly / storage	277,000 m^2

PRIOR EXPERIENCE

- The company has produced approximately 40 jackets for the offshore renewables industry, all of which were less than 1,000 tonnes and were designed for operation in water depths of 45 m. Base size was 20 x 20 m.
- The management team view is that their capability is scalable to larger structures. Indeed the company is currently tendering for the supply of a 3,000 tonne jacket. Whilst that is the case the company is unlikely to take on a jacket of around 8,000 tonnes. However the company would consider fabricating a deck structure of up to 10,000 tonnes.
- Bifab has delivered a wide range of projects including complete topsides, utilities modules, process modules, E&I modules and jackets. Client base includes, AMEC, BP, Britannia, Chevron, Conoco Philips, Elf, Encona, Mobil, Nexen, Shell, Talisman, etc.

OTHER INFORMATION

Burntisland Fabrications Ltd. (BiFab) was formed in 2001 following a buyout by the current management team from the former owners. That same team has operated the yard, producing fabrications for the offshore oil and gas industry, since 1990. While the company focus continues to be the offshore energy sector, BiFab has recognised that this sector is changing and now includes the renewables markets such as wind, wave and tidal power.

Cammell Laird Shiprepairers & Shipbuilders Ltd

NAME:	Cammell Laird Shiprepairers & Shipbuilders Ltd
ADDRESS:	Cammell Laird Shipyard Campbelltown Road Birkenhead Wirral, CH41 9BP
CONTACT NUMBER:	Tel: 0151 649 6600
CONTACT DETAILS:	Rob McBurney
WEB:	www.clbh.co.uk

PRIOR EXPERIENCE

The company indicated that it has both the capability and capacity to fabricate jackets and decks of 8,000 tonnes and 10,000 tonnes respectively. Recent experience is limited with the last large scale project – the lengthening of an offshore structure – being completed in 2003.

OTHER INFORMATION

The Cammell Laird site at Birkenhead on the Merseyside was established in 1824 and has been building, repairing or converting ships right through to today. The company's specialist capability lies in the fabrication of large marine structures for civil e.g. port infrastructure operators, land-based industrial and offshore clients, and defence applications. As well as new build, the company is engaged in repair, upgrade and conversion works. Current activity includes the fabrication of 5,000 tonne units for the MoDs aircraft carrier programme.

The company's construction hall is amongst the largest of the UK's fabrication facilities and can accommodate substantial structures.

Global Energy Group

NAME:	Isleburn Group (Part of Global Energy Group)
ADDRESS:	Airfield Road Evanton Industrial Estate Evanton, Ross-Shire Scotland, IV16 9XJ
CONTACT NUMBER:	Tel: +44 (0)1349 832000
CONTACT DETAILS:	Neil MacArthur (Chief Operating Officer)
WEB:	www.isleburn.com / www.gegroup.com

CAPABILITIES AND CAPACITIES

Cromarty Firth	
Total Area:	Over 250 acres
Fabrication Area (covered):	67,500 m2
Assembly and Erection Area:	Extensive
Cranage and Lifting Capacity:	Fixed craneage 900t plus we have a pool of heavy lift cranes and modular trailers available as required.
Load Out Capacity:	Crane lift up to 200t; roll out up to 50,000t
Min Water Depth:	4.5m LAT
Max Water Depth:	14.5m with 4 meter rise and fall tide

PRIOR EXPERIENCE

Isleburn is part of the Global Energy Group, a leading service and contracting company supporting the international energy industry with a broad competence in the construction, upgrade and maintenance of energy sector assets.

Acquired in 2007 by the Global Energy Group, Isleburn has grown extensively through organic growth and a combination of further strategic acquisitions to become one of the UK's largest specialist fabricators of bespoke products.

Widely regarded as a world-leader in the manufacture of bespoke equipment for subsea oil and gas projects, Isleburn also have a highly successful track record in the topside and power and process sectors and provide the full spectrum of engineering disciplines from mechanical and electrical through to fabrication.

Many of the current management team at Isleburn were involved in the construction of platforms fabricated at Nigg during the early years of UKCS exploitation and for the past 10 years the company has been involved in refurbishing existing assets.

Previous project experience by our senior management team include the construction of:

1974 - BP Forties 'C' jacket (Highland One) 31,000mt

1980 - Shell Fulmar 'A' jacket 13,000mt

1982 - BP Magnus jacket 37,600mt

1986 - BP South East Forties jacket and topside

1987 - Marathon Brae 'B' modules (x2) 3,400mt

1988 - Shell Eider jacket 19,000mt

1990 - Shell Sole Pit Barque wellhead deck 2,475mt

1991 - BP Miller jacket 16,500mt

With Global Energy Group's extensive, modern facilities, we are ideally placed to address new opportunities and offer the capacity for fabrication of very large, highly complex and challenging structures.

PRIOR EXPERIENCE CONTINUED

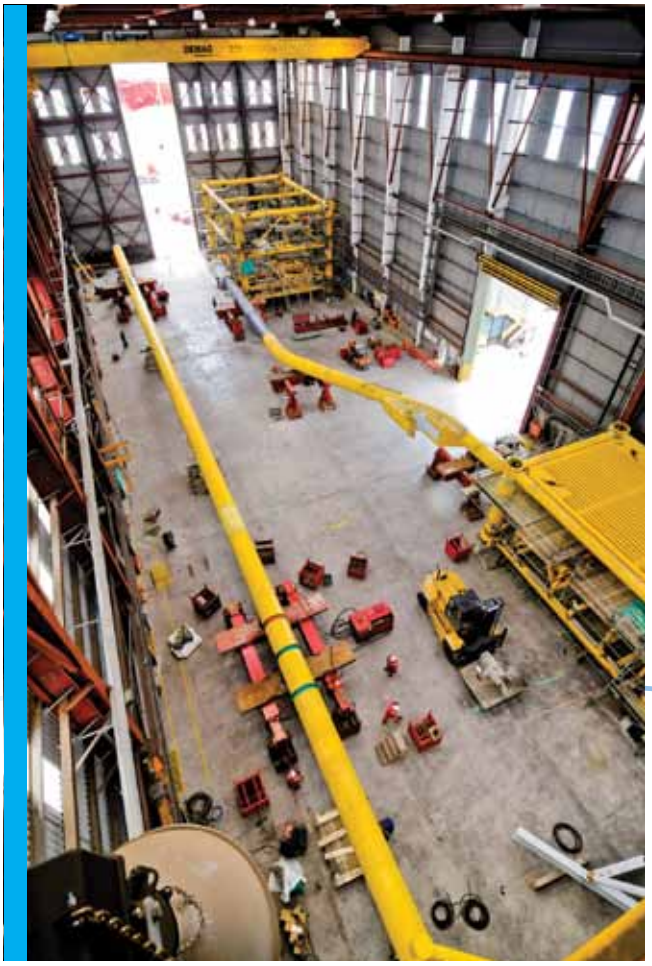
With covered fabrication facilities in excess of 67,000 m2 and benefiting from unrivalled quayside facilities with extensive laydown areas, Global Energy now controls the largest capacity of fabrication facilities in the UK by some considerable margin.

In Central Scotland, Isleburn operate from a range of facilities within Pitreavie Industrial Estate, Dunfermline where we manufacture pressure vessels, separators and skid packages. From Rosyth Dockyard, we operate clean workshops to support the build of modular packages for the nuclear sector.

Aberdeen operations run from a number of facilities within Europe's oil capital. Our Altens and Bucksburn facilities cater for small structural fabrications and pipework assemblies. Our Nord Centre facility offers larger capacity and quayside access to support manufacture and/or assemble of subsea equipment or small to medium integrated topside modules.

Our most Northern facilities, strategically located along the Cromarty Firth, provide sheltered access 365 days a year with unrivalled deep-water access. The facilities include a combination of inland light to medium fabrication shops, dedicated carbon/ exotic pipeshops, machine shops and paint & blast facilities.

Quayside facilities include a state-of-the-art assembly shop located in the Cromarty Firth Service Base, which opened in 2010 to support major subsea equipment and medium scale integrated topside modules.



OTHER INFORMATION

In January 2011, the Global Energy Group were announced as preferred bidder to acquire KBR's interests in the 238-acre Nigg facility and the purchase is in the final stages of completion.

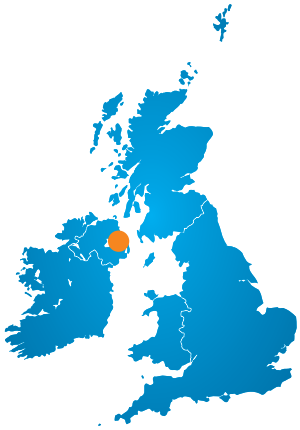
Global intend to build on their expertise in the various energy markets to create a truly world-class facility, which will compete on a global basis, and plans are in place for maximising the potential of this facility.

Global's proposals for the yard envisage it playing a key role in servicing the oil and gas and emerging renewable industries. The vast fabrication facilities provide opportunities to accommodate construction of modules and integrated decks up to 10,000 tonne entirely under cover in controlled indoor environments with its specifically designed assembly and fabrication shops and the capacity to construct jackets up to 50,000 tonne, with extensive yard and laydown areas.

This facility will also cater for subsea equipment fabrication; rig conversion and modification and rig inspection, repair and maintenance.

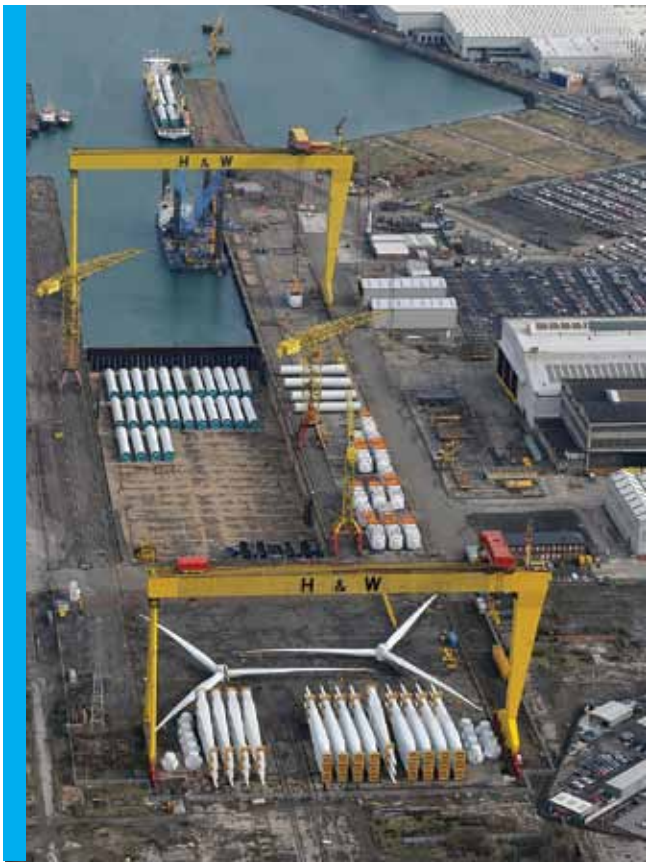
Harland and Wolff

NAME:	Harland and Wolff Heavy Industries Limited
ADDRESS:	Queen's Island Belfast, Northern Ireland BT3 9DU
CONTACT NUMBER:	Tel: +44 28 9045 8456
CONTACT DETAILS:	David McVeigh
WEB:	www.harland-wolff.com



CAPABILITIES AND CAPACITIES

Total Area:	1,200,000 m^2
Fabrication Area (covered):	81,097m^2
Assembly and Erection Area:	74,290m^2
Cranage and Lifting Capacity:	840 t (1,600 t combined)
Load Out Capacity:	
Min Water Depth:	7.8m
Max Water Depth:	12.57m
Other:	



PRIOR EXPERIENCE

H&W has the capability and capacity to fabricate jackets of up to 8,000 tonnes and decks of up to 10,000 tonnes. Since the company's building dock is 556 m x 93 m, the limitation of 8,000 or 10,000 tonnes is well within range. The company's track record includes a number of projects for the offshore market:

Project: Blackford Dolphin MODU Conversion

Contract: Design, build, delivery and installation of a 130-man accommodation block, Power Generation Module, Mud Module and Additional buoyancy for a Mobile Offshore Drilling Unit (MODU) conversion.

Project: BARD1 Offshore Wind Farm

Contract: Assembly of large offshore wind farm jacket for offshore transformer platform.

Period: Feb to Oct 2009

Project: Robin Rigg Offshore Wind Farm

Contract: Logistic and assembly services of the Robin Rigg Offshore Wind Farm.

Period: Q2 2008 to Q3 2009

Heerema Hartlepool Ltd

NAME:	Heerema Hartlepool Ltd (A Member of Heerema Fabrication Group)
ADDRESS:	Greenland Road Hartlepool Cleveland, TS24 0RQ
CONTACT NUMBER:	Tel: 01642 340 227
CONTACT DETAILS:	Neil Hay
WEB:	www.heerema.com

CAPABILITIES AND CAPACITIES

Yard 1 North Gate	
Total Area:	28,090 m^2
Fabrication Area (covered):	100x37x20m
Assembly and Erection Area:	
Cranage and Lifting Capacity:	20 te
Load Out Capacity:	6,000te
Min Water Depth:	4.0m
Max Water Depth:	
Other:	
- Covered storage area	23x8x5m

CAPABILITIES AND CAPACITIES

Yard 2 Irvine Quay	
Total Area:	48,311 m^2
Fabrication Area (covered):	100x37x30m
Assembly and Erection Area:	
Cranage and Lifting Capacity:	400te
Load Out Capacity:	15,000 te
Min Water Depth:	9.5 m
Max Water Depth:	
Other:	
- Covered Storage	60x18x5m
	23x8x5m

PRIOR EXPERIENCE

Heerema Hartlepool has the capacity and capability to construct jackets of up to 8,000 tonnes and decks of up to 10,000 tonnes.

Selection of the type of activities the company has been engaged in: (details of further experience available)

Buzzard Enhancement Project, Production Sweetening Deck

Client	Nexen Petroleum (UK) Ltd
Contract Type	(C) Contruction
Overall Weight	6,500Te
Overall Size	53x36x22 (LXWXH)
Completion Date	April 2010

Shell Compression Module

Client	Shell UK Ltd
Contract Type	(C) Construction
Overall Weight	2,300 Te
Overall Size	20 x 17 x 17 (LxWxH)
Completion Date	August 2007

Conocophillips Britannia Satellites Development Bridge Linked Platform

Client	Conocophillips (UK) Ltd
Contract Type	(C) Construction
Overall Weight	5,600TE
Overall Size	60x44x26 (L xWxH)
Completion Date	July 2006

continued overleaf

Heerema Hartlepool Ltd (continued)

PRIOR EXPERIENCE

Nexen Buzzard Field Development Utilities & Quarters Deck

Client	Nexen Petroleum UK Ltd
Contract Type	(C) Construction
Overall Weight	11,500Te
Overall Size	90 x 37 x 33 (LxWxH)
Completion Date	March 2006

Bonga FPSO

Client	SNEPCO (Shell Nigeria)
Contract Type	EPIC LUMP SUM (Alliance AMEC/Heerema)
Overall Weight	15,000TE
Overall Size	N/A (16 No PAUS's)
Completion Date	September 2003

Corvette Jacket, Topside and Risers

Client	Shell Exploration & Production
Contract Type	(EPIC)
Overall Weight	Topside: 1,275 Te
Overall Size	39 x 26 x 20 (L xWxH)
Overall Weight	Jacket: 850 Te, Piles 925 Te
Overall Size	22x20x44
Completion Date	August 1998

OTHER INFORMATION

Heerema Hartlepool, a subsidiary of Heerema Hartlepool Fabrication Group (HFG), builds structures for the offshore oil and gas industry including subsea installations, fixed platforms and floating production facilities.

Activities include design, engineering, fabrication, transport, installation, hook up and commissioning and management of full EPCI contracts.

Facilities

Heerema offers two purpose built construction facilities located round the sheltered Victoria Harbor in Hartlepool. This prime North East England location affords ready access by sea, air road and rail and is nestled between Teeside and Tyneside, two of the industry's major sources of fabrication skills and expertise. The construction sites consist of two fabrication halls and cover 76,401 m^2 with a 355-metre 15,000 tons capacity quayside for large load outs.

The facilities include

- Covered large assembly halls
- Superbly equipped prefabrication facilities
- Covered material stores
- Covered blasting and painting facilities

Workshops

Temperature controlled blasting and panting workshop supported by two additional covered shelters for blasting and coating large structures.

Hertel

NAME:	Hertel
ADDRESS:	1 Hudson Quay The Halyard Middlehaven Middlesbrough, TS3 6RT
CONTACT NUMBER:	Tel: 01642 469532 (Head Office)
CONTACT DETAILS:	Bob Jack, Tel: 01224 225541 (Aberdeen Office) John Hall, Business Development Manager (Tel: 01744 814343)
WEB:	www.hertel.com

CAPABILITIES AND CAPACITIES

Wilton Facility, Teeside	
Total Area:	48,000 sq.m.
Fabrication Area (covered):	8,000 sq.m.
Assembly and Erection Area:	
Cranage and Lifting Capacity:	30t
Load Out Capacity:	
Min Water Depth:	not water based
Max Water Depth:	
Other:	
The fabrication area consists of 8 fabrication bays. Allows capacity for up to 90 operatives	

CAPABILITIES AND CAPACITIES

Ellesmere Port, Merseyside	
Total Area:	
Fabrication Area (covered):	1,500 sq.m.
Assembly and Erection Area:	
Cranage and Lifting Capacity:	
Load Out Capacity:	
Min Water Depth:	
Max Water Depth:	
Other:	
3 fabrication bays	
Lay down area	1,800 sq.m.

PRIOR EXPERIENCE

Although Hertel does not have the capacity to build jackets of up to 8,000 tonnes and decks of up to 10, 000 tonnes, the Wilton facility can work on a sub-contract basis to larger scale fabricators.

The company has experience of fabricating a range of tubular assemblies for the offshore oil and gas sector.

Tubular fabrications produced include:-

- Piles
- Catcher pile & Cones complete with internal gout beads
- Caissons
- Risers
- Cones
- Node assemblies
- Braces
- Topside tubulars'
- Stab-in guides
- Buoyancy tanks
- Subsea fabrications

Projects include:- Texaco Dunbar, Gannet, Beryl B, Marathon Brae B, Texaco Captain, Piper Bravo

Clients include Hamilton Borthers, Highland Fabricators, SLP Lowestoft & Middlesborough, etc.

Further details of projects can be made available.

OTHER INFORMATION

Hertel is a global industrial services company. It operates in the offshore, oil & gas, process and power and utilities sectors. The company has traded for 115 years and employs around 12,000 staff throughout the world.

Service Provision

- Mechanical, including Fabrication, Structural Steel, Vessels, Columns, Heat exchangers
- Scaffolding and alternative access (including System, MEWP's, Rope Access, Cradles, and Towers)
- Insulation and fire protection
- Painting, surface preparation and blasting, and industrial cleaning
- Civil work, including new build, repair, refurbishment and dismantling
- Asbestos Removal and surveys
- Electrical and Instrumentation
- Trace Heating
- Nuclear Decommissioning

McNulty Offshore Limited

NAME:	McNulty Offshore Limited – South Shields
ADDRESS:	Commercial Road South Shields Tyne & Wear, NE33 1RZ
CONTACT NUMBER:	Tel: 0191 401 5800
CONTACT DETAILS:	Jim Masterton / Bill Lawrie
WEB:	www.mcnultyoffshore.com

CAPABILITIES AND CAPACITIES

Total Area:	89,000 m^2
Fabrication Area (covered):	4,950 m^2
Assembly and Erection Area:	35,250 m^2
Cranage and Lifting Capacity:	120 t
Load Out Capacity:	6,000 t and 8,500 t
Min Water Depth:	8.5 – 9.2 m
Max Water Depth:	13 m
Other:	
- Warehouse and storage	10,240 m^2
- River frontage	580m
- Accommodation space	3,700 sq.m.

PRIOR EXPERIENCE

McNulty has extensive experience, which has seen the company develop into a successful fabricator in the specialised area of fitting out process decks to FPSO's and maintains this position by integrating the specialised pool of talent with an established marine and offshore fabrication background. McNulty Offshore has broadened its range of services and has developed a fully integrated design and build capability, which has been successfully employed on a number of projects. The following list provides an indication of the range of projects undertaken by the company but is by no means exhaustive.

Module Fabrication

2010/2011	- BP Derrick Module
1999/2000	- Statoil Gulfaks 'C' Gas Treatment Module
1996/1997	- Texaco Erskine – Wellhead Platform (1250 te)
2004/2005	- Exxonmobil East Area - Nigeria (built on the east loadout quay which is used extensively for heavy lift and low loader trailer operations, capacity to build and load out structures up to 8,500te.)
2010/2011	- Lincs Offshore Substation - Siemens (Construction of an offshore substation topside and jacket. Approx 2,500te)
2010	- Galloper Offshore Substation – Siemens (construction of an offshore substation topside - 1250te)
Feb 2011	- Lincs Jacket - Siemens - design and construction of an offshore substructure jacket and piles - 850te

OTHER INFORMATION

McNulty fabrication facility is strategically positioned close to the entrance of the North Sea.

Extensive experience in the offshore oil and gas industry means that it is able to deliver a whole range of complex assemblies and structures fabricated across the spectrum of industry codes and standards. The company has carried out major projects to all parts of the world including, Canada, South Africa, Norway, Russia and Kazakhstan.

Core Activities and responsibilities include:

- Manufacture, installation, integration, hook up and commissioning of process modules onto decks of Floating Production Storage and Offloading Vessels (F.P.S.O)
- Removal of redundant modules, equipment and associated pipework and electrics from the decks of existing F.P.S.O.'s prior to the installation of new process /generation modules.
- Procurement, fabrication, commissioning of Offshore Topside Modules for the Oil & Gas and Wind Energy Industries
- Procurement, fabrication, integration and commissioning of Pre assembled Units (PAU's) and Pre assembled pipe racks (PAR's) for the on/offshore Oil and Gas Industry.
- Manufacture of Subsea Structures, Manifolds and Templates
- Design, Construction and Offshore Hook up of Offshore Substation Platforms for the Renewable Energy Industry.
- Procurement and Fabrication of all types of pipework.

Structural steel fabrication services cover a wide range of offshore oil and gas structures such as: Process modules, utility modules, accommodation modules, drilling modules, PAU's, PARs, decks, drilling derricks, small jackets flare booms and subsea structures.

Offshore Group Newcastle

NAME:	Offshore Group Newcastle
ADDRESS:	Hadrian Yard AMEC Way Wallsend Tyne & Wear, NE28 6HL
CONTACT NUMBER:	Tel: 01502 542201
CONTACT DETAILS:	Russell Harper
WEB:	www.ogn-group.co.uk

CAPABILITIES AND CAPACITIES

Total Area:	323,752 m^2
Fabrication Area (covered):	16,500 m^2
Assembly and Erection Area:	104,000m^2
Cranage and Lifting Capacity:	50 tonnes
Load Out Capacity:	13,000 tonnes
Min Water Depth:	
Max Water Depth:	7m
Other:	
Office	10,000m^2

PRIOR EXPERIENCE

OGN recently secured a project with Apache North Limited (Apache Forties Project) for the design, procurement and construction of a 5,900 tonne jacket, 4,000 tonne piles and 5,000 tonne top deck. This work is scheduled for completion in September 2012.

OTHER INFORMATION

Formerly SLP Engineering, OGN recently acquired the SLP facility in Wallsend. Current capacity of the yard is up to 50,000 tonnes of steel or 30 offshore wind foundations per year. The planned investment programme will increase the capacity of the yard up to 50-100 jacket foundations per year.

OGN Group provides engineering, procurement, construction and installation services to the offshore oil and gas and renewable energy industries.

Previous projects by the management group include:

Project Description	Date	Total No. Constructed	Weight Range	Total Tonnage
Jackets	1995-2009	33	242-4,500t	30,700t
Integrated Decks / Modules	1993-1998	13	300-5,000t	26,624t
Wellhead Platform Topsides	1998-2009	19	78-1,985t	11,266t
Accommodation Modules	1982-2010	31	208-4,600t	54,792t
Drilling Facilities	1987-1993	4	4,250-8,400t	21,150t
FPSO Ship Conversion	1997	1	5,000t	5,000t
Wind Farm Substation	2009	1	1,068t	1,068t
Wind Farm Met Masts	2002-2005	5	98-210t	807

Pallion Engineering Limited

NAME:	Pallion Engineering Limited
ADDRESS:	Pallion Shipyard Paillion New Road Sunderland Tyne & Wear, SR4 6LL
CONTACT NUMBER:	Tel: 0191 564 0404
CONTACT DETAILS:	Peter Callaghan
WEB:	www.pallionshipyard.co.uk

CAPABILITIES AND CAPACITIES

Total Area:	30 acres
Fabrication Area (covered):	30,000 m^2
Assembly and Erection Area:	1,679m^2
Cranage and Lifting Capacity:	80te x2
Load Out Capacity	
- Quay	100 te
- Road	150 te
Min Water Depth:	
Max Water Depth:	
Other:	
Dry dock	181m
River frontage	184m

PRIOR EXPERIENCE

Pallion has experience of building 35,000 tonne ships; a 90 tonne oil rig storage tank, a cable storage tank, a 25 tonne deckhouse, a 400 tonne pontoon and a linkspan. The company began as a shipbuilding facility and whilst retaining its new build capacity, has diversified into engineering and ship repair markets.

Although the company has no direct experience of building jackets or decks it has the capacity to fabricate 10,000 tonne structures. Clarification on dimensions etc would be required prior to committing to a project of the scale mentioned.

OTHER INFORMATION

Pallion is involved in fabrication and general engineering projects, including offshore oil and gas and civil engineering projects.

Bay Facilities

The PE site covers an area of approximately 30 acres. The majority of the facilities are concentrated in an enclosed multibay building complex with a total floor area of about 30,000m2. The main features of the facility are (starting from the north welt):

External plate and section stockyards with overhead cranes feed steel via a conveyor to:

- **Bay 1**

Containing a shot blast and priming machine capable of handling both plates and sections. The output from this machine feeds to a conveyor system, which links Bays 1 to 5

- **Bay 2**

Contains two plasma/oxy-gas plate cutting machines and associated material handling areas.

- **Bay 3**

Contains forming and piece part preparation equipment.

- **Bay 4**

Is a production area for sub-assemblies.

- **Bay 5**

Is the main assembly bay with two 50 te overhead cranes. An area down the north side of the bay is served by three semi goliath cranes and is ideally suited for smaller assemblies.

- **Bay 6**

The construction hall is served by two 80 te overhead cranes. At the northwest corner of the dock is a transfer pad, which is at the same level as the steel working bays. This pad enables large assemblies to be transferred from Bay 5 either to be picked up by the construction hall cranes for transfer to the dock or to be transported out of the building via the doors at the end of the transfer pad. The southeast extremity of the building complex contains several smaller shops and stores, used for outfitting and a production office complex.

Shepherd Offshore Services Limited

NAME:	Shepherd Offshore Services Limited
ADDRESS:	Quayside Operations Offshore Technology Park Nelson Road Walker, Newcastle Upon Tyne, NE6 3NL
CONTACT NUMBER:	Tel: 0191 262 9614
CONTACT DETAILS:	Bruce Shepherd
WEB:	www.shepherdoffshore.com

CAPABILITIES AND CAPACITIES

Offshore Technology Park	
Total Area:	
Fabrication Area (covered):	
Assembly and Erection Area:	
Cranage and Lifting Capacity:	Up to 250t
Load Out Capacity:	
Min Water Depth:	
Max Water Depth:	8m
Other:	
Warehousing	46,500 sq.m.
Quayside Storage	5 hectares

PRIOR EXPERIENCE

The company has the capability and capacity to build 8,000 tonne jackets and 10,000 tonne decks, furthermore it has the capability to build subsea structures up to 70,000 tonnes.

Extensive experience of working in the offshore oil and gas industry. Clients include, Shell, Wellstream Halliburton, BP, Exxon and contractors such as Technip Offshore, Subsea 7, DSND, Stolt Offshore, etc.

OTHER INFORMATION

Shepherd Offshore Management has over 30 years of experience in the Marine and Offshore Industry. The company has operated for over 19 years from the Offshore Technology Park in Walker, Newcastle. It specialises in berthage, fabrication works, demobilisations/mobilisations of marine vessels and the handling of heavy lift products.

The company is experienced in all areas of fabrication engineering and is one of Europe's leading companies in fabrication engineering of cargo securing systems for transit. It offers a full turnkey service providing everything from initial design through to final installation and commissioning.

The company is currently nearing completion of a new load out facility, which will cope with up to 25t over the quay. This is expected to be completed March/April 2011.

The company has recently acquired the former Motorola facility in Halbeath, Fife. The 150-acre site will be used for manufacturing in the renewable energy sector. The aim is to create a centre for excellence for renewable energy.

SLP Engineering Limited

NAME:	SLP Engineering Limited – Lowestoft
ADDRESS:	Hamilton Road Battery Green Road Lowestoft Suffolk, NR32 1XF
CONTACT NUMBER:	Tel: +44 1502 587 322
CONTACT DETAILS:	Phil Church – Head of Compliance
WEB:	www.slp-eng.com

CAPABILITIES AND CAPACITIES

Total Area:	55,000 m^2
Fabrication Area (covered):	2,640 m^2
Assembly and Erection Area:	40,000 m^2
Cranage and Lifting Capacity:	350 t
Load Out Capacity:	10,000 t (via 2 loadout points)
Min Water Depth:	4.4 m LAT
Max Water Depth:	6.34 m MHWS
Other:	
- Warehousing and storage	10,000 m^2

PRIOR EXPERIENCE

The company has designed and fabricated jackets for numerous platform contracts both for the North Sea and international markets. Jackets ranging from minimal facility, production and accommodation platforms have sizes from 300 tonnes to 6000 tonnes. SLP's integrated deck construction capability ranges from 100 tonnes to 10,000 tonnes. Examples of projects delivered by the company include: NAM, 24-person accommodation platform (topside 650t, jacket 425t); and, BP Amoco, Hoton Wellhead Platform (topside 286t, jacket 430t). SLP directly employs tradesmen such as welders, platers, pipefitters, mechanical fitters, electrical and instrumentation technicians.

OTHER INFORMATION

SLP has been in business under various ownerships for 40 years. During this time it has provided many structures for the UKCS to virtually all of the major operators and a great many smaller ones. It is one of few companies in the UK that has the capability and capacity to fabricate large structures for use within the offshore oil and gas industry. Capability includes for full EPIC, hook-up and commissioning.

SLP's geographical location allows direct access to the North Sea, whilst the harbour benefits from a low tidal range that significantly assists load out operations. The company has a track record in the successful completion of EPIC contracts, a clear understanding and management control of key project drivers including safety, schedule, cost and quality and a demonstrable track record of successful partnering, alliances and joint ventures. SLP has offices in London and access, through joint ventures and associations, to additional construction facilities in the UK and overseas.

SLP's structural steel design group is resourced from a pool of permanent staff engineers in the following areas of expertise: Structural analysis (linear and non-linear); Detailed steelwork design; Foundations; Dynamic response; Materials/ metallurgy; Construction; and Marine / installation group. The design group provides conceptual and detailed design, strengthening, repair and upgrading of existing structures and reanalysis and assessment.

The company holds third party approvals for their Quality, Health & Safety, and Environmental Management Systems. Safety record is excellent. BP advised that the company had achieved "World Class Safety Performance" on their recent Valhall project for the Norwegian North Sea.

Teeside Alliance Group

NAME:	Teeside Alliance Group
ADDRESS:	Haverton House Haverton Hill Yard Billingham Teeside, TS23 1PZ
CONTACT NUMBER:	Tel: 01642 565500
CONTACT DETAILS:	Stewart Dawson
WEB:	www.teesag.com

CAPABILITIES AND CAPACITIES

Total Area:	
Fabrication Area (covered):	5,882 m^2
Assembly and Erection Area:	
Cranage and Lifting Capacity:	40 t
Load Out Capacity:	6,000 t
Min Water Depth:	
Max Water Depth:	
Other:	

PRIOR EXPERIENCE

TAG is capable of fabricating jackets and decks of up to 6,000 tonnes. The company was commissioned to deliver the Sea Dragon Project, which involved fabrication of topsides for drilling rigs. Whilst the company has recently diversified into the renewables market, it retains the capability and infrastructure to address fabrication opportunities within the oil and gas market.

OTHER INFORMATION

TAG is a project management, engineering and construction company with large facilities based on the River Tees on the North East cost of the UK.

TAG was the subject of a management buyout in September 2010. The members of the new senior management have an average of 25 years of experience in the oil and gas industry, and have expertise across a wide range of oil and gas projects ranging through drilling vessels, production facilities, support facilities e.g. flo-tels, subsea production systems, topside modules, topside decks and substructures.

TAG Energy Solutions Ltd will become the UK's first manufacturer of tubular foundation structures for offshore wind turbines.

Facilities

TAG's head office and main assembly facility is located at Haverton Hill Yard. For larger projects TAG has access to facilities at the North Sea Supply Base on the other side of the river and a deep water integration facility located at Graythorpe close to the mouth of the Tees.

Wilton Engineering Services Limited

NAME:	Wilton Engineering Services Limited
ADDRESS:	Port Clarence Offshore Base Port Clarence Road Port Clarence Middlesbrough, TS2 1RZ
CONTACT NUMBER:	Tel: 01642 546611
CONTACT DETAILS:	Des Hatfield
WEB:	www.wiltonengineering.co.uk

CAPABILITIES AND CAPACITIES

Total Area:	200,000 m^2
Fabrication Area (covered):	8,514 m^2 across 4 halls
Assembly and Erection Area:	
Cranage and Lifting Capacity:	30 t
Load Out Capacity:	
Min Water Depth:	
Max Water Depth:	
Other:	
- Warehouse and storage	2,044 m^2
- Painting Halls (largest has a 40mx18m blast pen capable of handling complete fabrications and deck stations.	6,000 m^2

PRIOR EXPERIENCE

Although the yard has not previously constructed large jackets for the offshore oil and gas industry market but has fabricated smaller jackets, and has considerable experience in fabricating large structures including, BP Andrew – 10,700 tonnes, Conoco/Philips Britannia – 10,800 tonnes and SOEP – 9,800 tonnes.

Wilton is actively pursuing projects in the offshore market sector, covering fabrication, fit-out and commissioning of deck, modules, small jackets and similar structures together with searching for opportunities in the Reneweables market and in particular offshore wind.

The company is also, through their PD&MS Energy business, opening a Brazilian Engineering Support Office.

OTHER INFORMATION

Wilton Engineering Services has over 3 decades of experience in the offshore construction business and a proven track record in providing bespoke fabrications and associated services for the subsea, marine, offshore and renewable energy industries.

The Group has over the years worked with a large number of clients including, BP, Occidental, Mobil (Canada), Total, Phillips, British Gas, Chevron, Conoco. This list is by no means exhaustive and further details of clients and details of activities are available.

Current facilities include 4 large assembly halls and heavily piled and reinforced concrete external construction areas available to undertake assembly work.

Areas of capability includes: complete skid packages; process and high pressure pipework; offshore power modules; subsea manifolds; platform jackets; launch and receiver pigging systems; barge sea fastening services; J-lay Towers; offshore wind bases; offshore handling & pipelay; subsea structures; subsea tie-in spools; pipeline clamps; subsea arches; flexible pipe/umbilical carousels; platform structures; subsea protection structures; manifolds, PLETs and PLEMs; and vessel mobilisation.

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URN:11D/827