



## CORMORANT ALPHA

Last Updated:  
21<sup>st</sup> January 2014

**Cormorant Alpha** is wholly owned and operated by TAQA Bratani Ltd. It is a fixed Gravity Based Structure in the East Shetland Basin, Northern North Sea at a water depth of 150 metres and began production in January 1979.

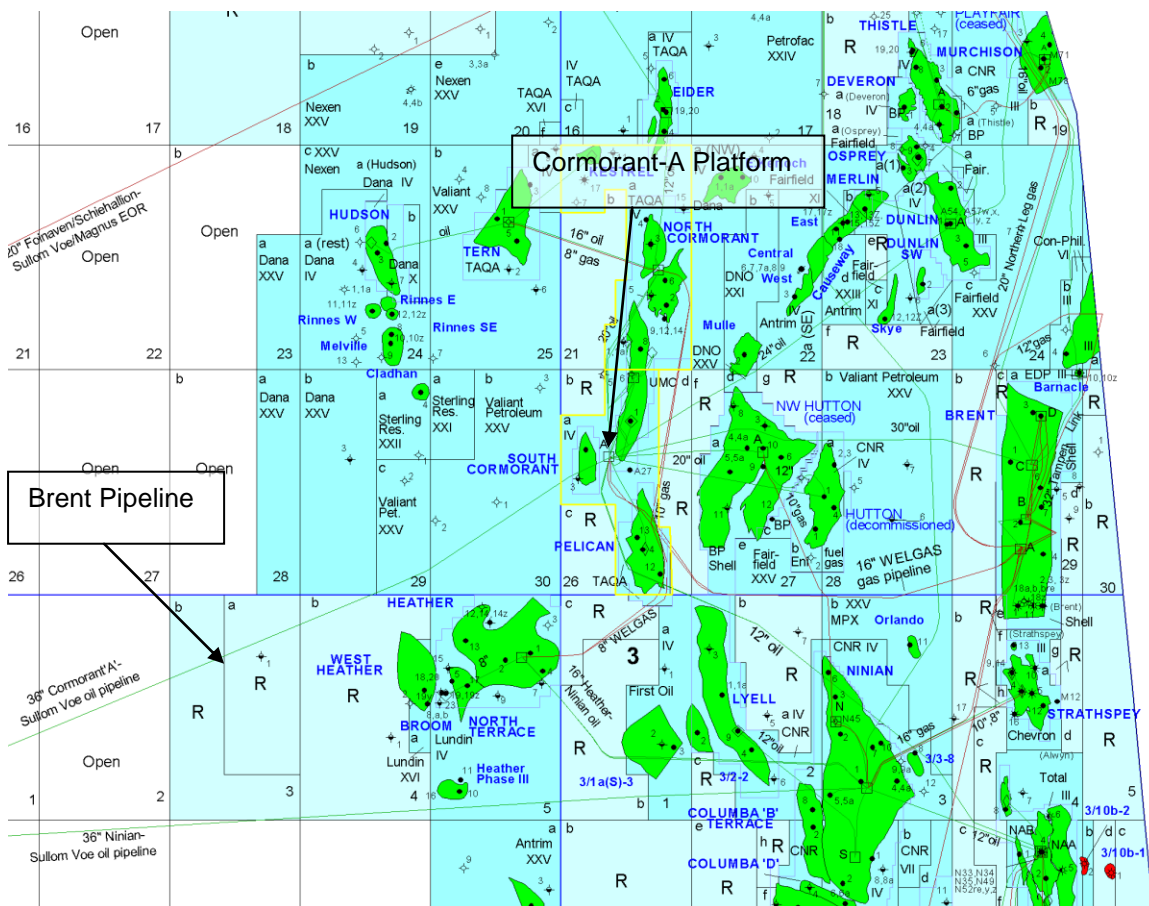
### TAQA Bratani Ltd

TAQA was founded in 2005 with the objective of becoming a global leader in the energy sector. Today, we have a workforce of 2,800 drawn from 41 nationalities, working in 13 markets across the world, from India to Canada and Abu Dhabi to the United Kingdom.

Our business is spread across the global energy sector and we think of ourselves as a company that is fully integrated with operations from wellhead to wall socket. Today, we have interest in power generation, integrated heat and water, desalination, upstream oil and gas, pipelines, services and structured finance.

We are 51% owned by Abu Dhabi Water and Electricity Authority (ADWEA) which is a government authority and which provides long term stability for our company.

For more information please visit our [website](#).



Source: Wood MacKenzie

### Platform Statistics

<b>Operator</b>	TAQA	<b>Water depth</b>	150m
<b>Participants</b>	TAQA 100%	<b>Location</b>	NNE, East Shetland Basin
<b>Platform Type</b>	Fixed, GBS	<b>Block</b>	211/21a and 211/26a



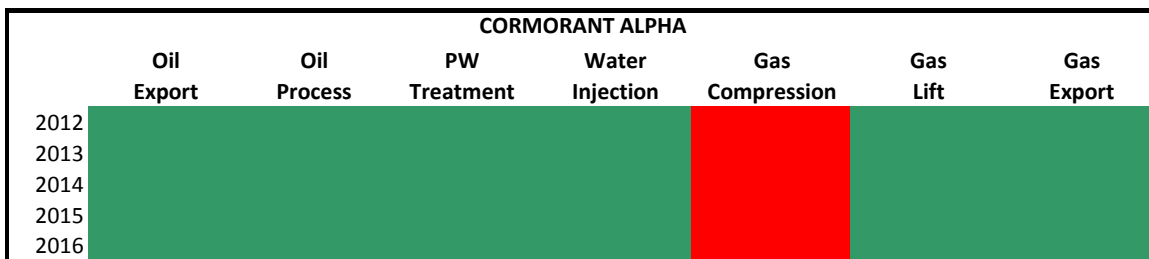
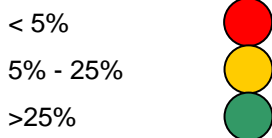
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### Capacity and Ullage Projection

The platform process system is nominally designed for the following quantities however; peak flow rates may exceed these values.

#### Available Capacities:



### Entry Specification

We will judge on a case by case basis.

### Primary Processing Facilities

There are two first stage separators and a test separator. These feed to a second stage separator from which the liquids are pumped via 2x100% pump and 2x100% coolers to storage cells. Produced water from the Block I/II separator is routed to hydrocyclones while produced water from the Pelican and test separators is comingled with the oil and routed to the storage cells via the two phase second stage separator. The water is removed from here by 3x100% tank water pumps.

Gas from the 2nd stage separator is routed to a booster compressor then comingled with the gas from the first stage separators and routed to the first stage of a 1x100% three stage gas compressor. There is a fuel gas take off after the first stage of compression and a TEG contactor after the second stage of compression to achieve dew point spec.

### Water Injection

Seawater is injected into the Block I/II and Pelican formations. Injection water pressure is achieved by using two gas turbine driven HP Water Injection Pumps.

There are potential water injection wells being drilled/converted in addition to those already in existence.

### H2S Removal

H2S Scavenger is injected to meet export specification.

### H2S Production

The platform is now set up to allow H2S production.

### Gas Export

Gas export is only restricted by the compressor. The gas from the compressor can be used for lift gas, fuel gas or export gas although these are all constrained at present.



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### **Exit Specification**

Brent System Specification:

- TVP (True Vapour Pressure) not exceeding 115 psia at 100°F unless otherwise agreed.
- BS&W (base sediment & water content) not exceeding 2% by volume under normal operating conditions. Exceptions may apply depending on circumstances.

### **Pipeline**

Export of oil is via the Brent pipeline system to the Sullom Voe Terminal.

### **New Business**

TAQA aims to offer a faster and simpler commercial process in response to North Sea trends and in order to facilitate a timely negotiation process and provide greater transparency.

For a more tailored discussion to suit your business needs, please contact us by using the email address below;

[commercial.uk@taqaglobal.com](mailto:commercial.uk@taqaglobal.com)

### **Abbreviations**

TVP	True Vapour Pressure	Mg/l	Milligrams per litre
psia	Pounds per Square Inch Absolute	PPI	Producer Price Index
BS&W	Base Sediment & Water	Bbl(s)	Barrel(s)
Non-Sour	Low in Hydrogen Sulphide (H <sub>2</sub> S)	b/d or Bbl/d	Barrel(s) per day
CO <sub>2</sub>	Carbon Dioxide		

### **Disclaimer**

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