



TERN

Last Updated:
21st January 2014

Tern is wholly owned and operated by TAQA Bratani Ltd. It is a single fixed platform in the East Shetland Basin, Northern North Sea at a water depth of 167 metres and began production in June 1989.

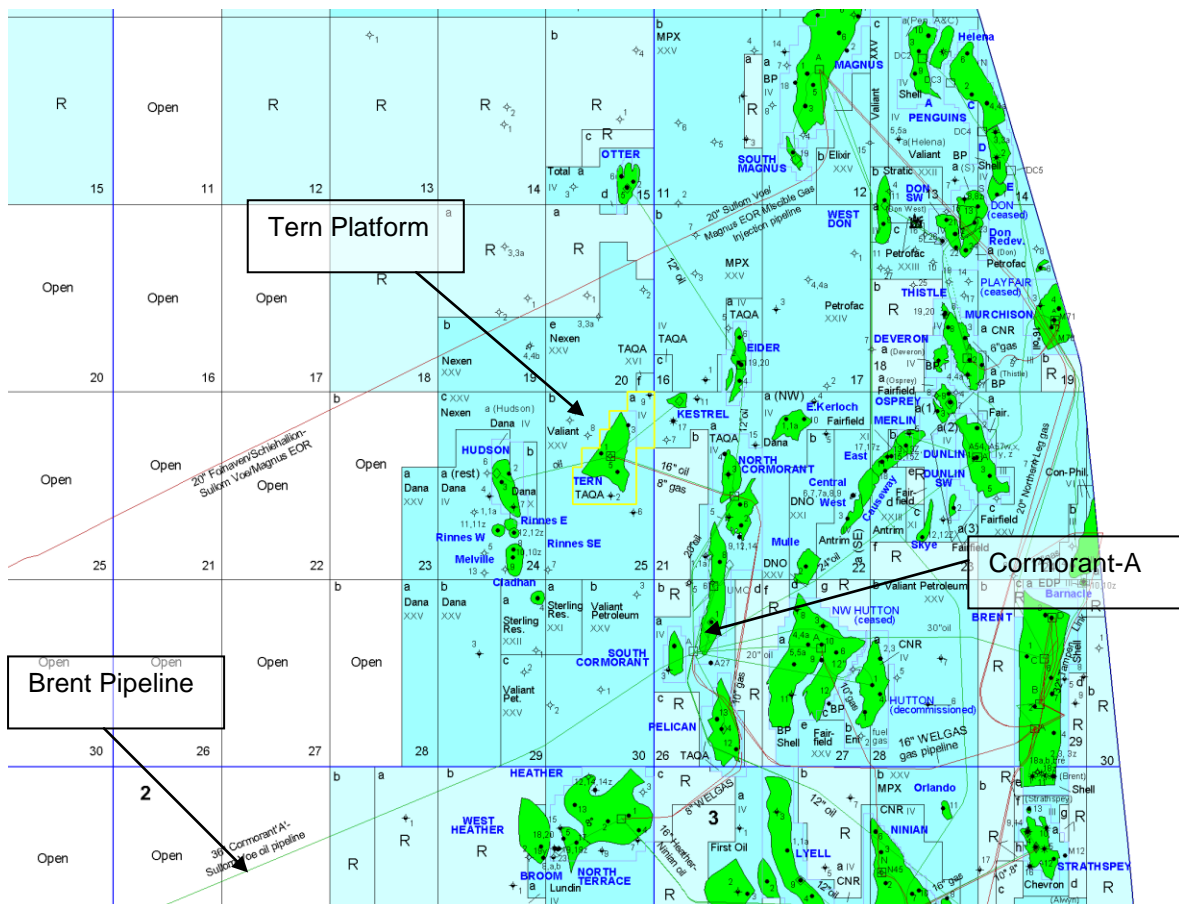
TAQA Bratani Ltd

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

Operator	TAQA	Water depth	167m
Participants	TAQA 100%	Location	NNS, East Shetland Basin
Platform Type	single fixed platform	Block	210/25a






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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:

- < 5% 
- 5% - 25% 
- >25% 

	TERN						
	Oil Export	Oil Process	PW Treatment	Water Injection	Gas Compression	Gas Lift	Gas Export
2012							
2013							
2014							
2015							
2016							

Entry Specification

We will judge on a case by case basis.

Primary Processing Facilities

Tern has only one stage of separation, comprising three parts:

- Train A Separator and Dehydrator
- Train B Separator only, fed into by Kestrel
- Hudson Train Identical to Train A but dedicated to Hudson production (Hudson fluids are pre-heated to aid separation)

There is a gas dehydration facility on Tern. This supplies dry gas to our subsea tie-backs (Kestrel & Hudson) and is currently operating at full capacity. Suggestions are being made to extend the capacity of this system.

The gas compression system is at full capacity.

We continuously recycle a large amount of oil resulting in spare oil export capacity which will never be a constraint in the future.

Water Injection

Tern has 4 pumps with good uptime supplying water to Hudson, Tern, Kestrel Otter and Eider fields. Some new local injectors are planned.

H2S Removal

H2S Scavenger is used.

Gas

Gas processing and export will be judged on a case by case basis.



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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

Transportation 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 using the email address below:

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 ₂ S)	b/d or Bbl/d	Barrel(s) per day
CO ₂	Carbon Dioxide		

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