

TERN

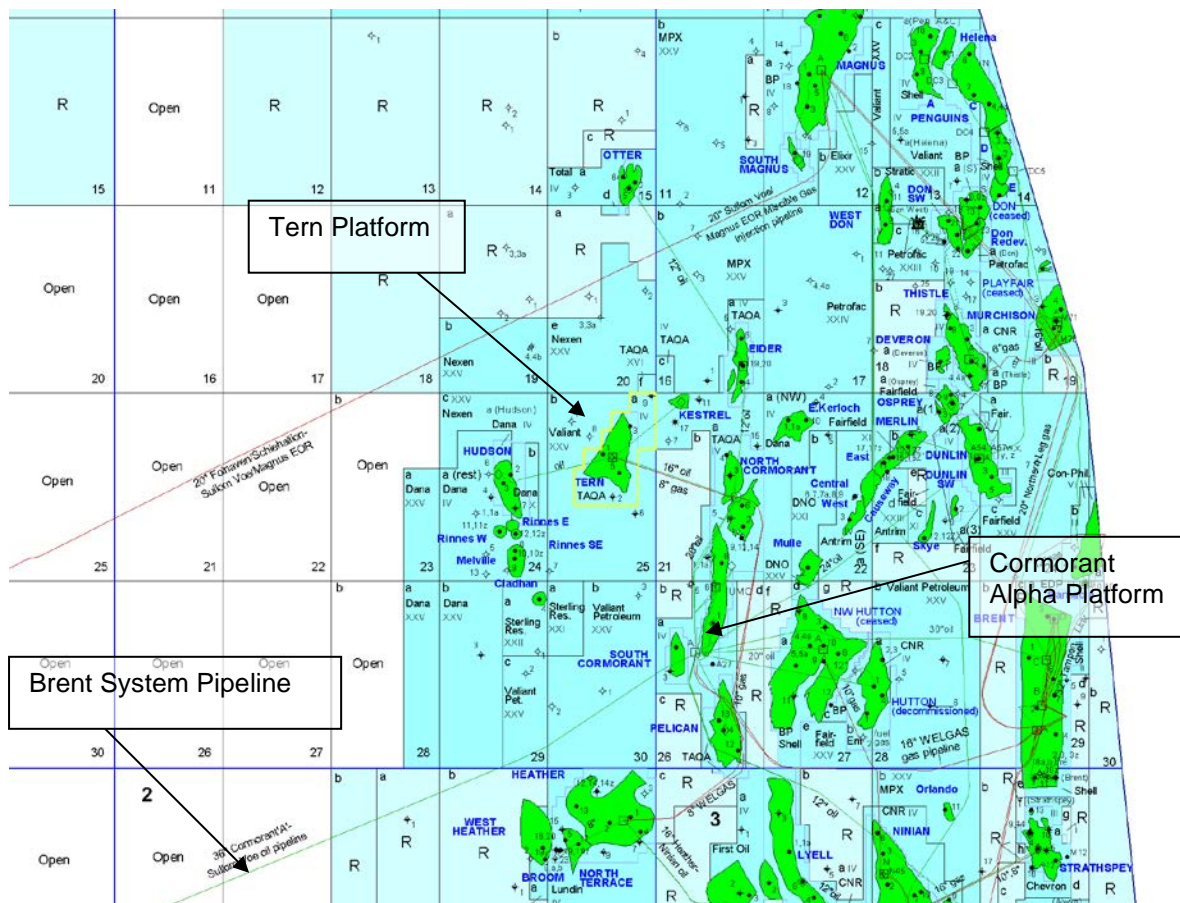
The Tern platform is wholly owned and operated by TAQA Bratani Limited. It is a single fixed platform in the East Shetland Basin, Northern North Sea at a water depth of 167 metres and began production in June 1989.

About TAQA

TAQA's UK business (TAQA Bratani Limited) is a wholly owned subsidiary of the Abu Dhabi National Energy Company PJSC (TAQA).

Established in 2005, TAQA is a diversified utilities and energy group headquartered in Abu Dhabi, the capital of the United Arab Emirates, and is listed on the Abu Dhabi Securities Exchange (ADX: TAQA). TAQA has significant investments in power and water generation, transmission and distribution assets, as well as upstream and midstream oil and gas operations. The company's assets are in the United Arab Emirates as well as Canada, Ghana, India, Iraq, Morocco, Oman, the Netherlands, Saudi Arabia, the United Kingdom and the United States.

For more information, please visit: www.taqa.com



Source: Wood Mackenzie

TERN

Platform Statistics

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

Capacity and Ullage Projection

The Tern platform process system is nominally designed for the following quantities however, peak flow rates may exceed these values:

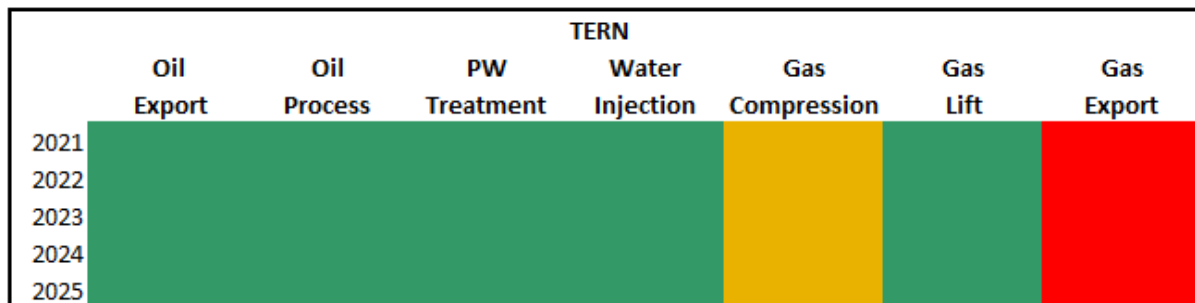
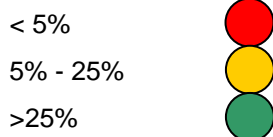
Oil: 95,000 bbl/d Train B, 55,000 bbl/d Hudson Train, 20,000 bbl/d Train A.

Gas: 83.8 MMSCFD.

Produced Water: 128,000 bbl/d Train B, 46,500 bbl/d Hudson, 86,802 bbl/d Train A.

Seawater Injection: 22000 m3/d.

Available Capacities:



Please note this does not reflect the economic CoP date.

Entry Specification

This will be evaluated on a case by case basis.

Primary Processing Facilities

The Tern platform has three separation trains, and a test separator, comprising of the below:

Train A: Separator and Dehydrator.

Train B: Separator only, fed into by Kestrel field. Oil from Train B is routed to the Train A inlet.

Hudson Train: Identical to Train A but dedicated to Hudson production (Hudson fluids are pre-heated to aid separation).

TERN

There is a gas dehydration facility on the Tern platform. This currently supplies dry gas to several subsea tie-backs (Kestrel, Falcon, Cladhan & Hudson).

The gas compression system consists of two trains. A single compressor can be run, or both compressors can be run in parallel. A large amount of oil is continuously recycled, resulting in spare oil export capacity.

Water Injection

Tern has 4 pumps, with one pump (P3301 planned to be removed in the future as it is out of service and no longer required). The WINJ system has good uptime supplying treated seawater to Tern, Kestrel and Otter.

H₂S Removal

H₂S Scavenger is used on the Tern platform.

Gas

The Tern platform currently imports fuel gas.

Export Route

Transportation is via the Tern to North Cormorant pipeline, the North Cormorant to Cormorant Alpha pipeline, the Brent System, and the Sullom Voe Terminal.

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.

New Business

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		

TERN

Disclaimer

The information, text, graphics, links or other items provided within these pages (the “Information”) are intended to be general in nature and are provided to facilitate discussions between the owner of Harding and owner(s) of crude oil interested in utilising Harding facilities. TAQA Bratani Limited has endeavoured to ensure that Information is correct at the time of inclusion but does not guarantee the accuracy of such Information.

The Information does not constitute any invitation by or on behalf of TAQA Bratani Limited as owner or operator to enter into a contract. Decisions based on Information are the sole responsibility of the reader, and in no event shall TAQA Bratani Limited as owner or operator be liable for any consequential, incidental, or direct damages suffered in the course of using or relying upon the Information.

TAQA Bratani Limited reserves the right to update, modify or remove any part of the Information at any time.

The TAQA Bratani Limited name, logo and/or trademarks may not otherwise be used in any manner without the prior written consent of TAQA Bratani Limited. All rights are reserved.

Use of this website and the Information will be governed in accordance with the laws of England and Wales. The English courts shall have exclusive jurisdiction over any dispute arising.