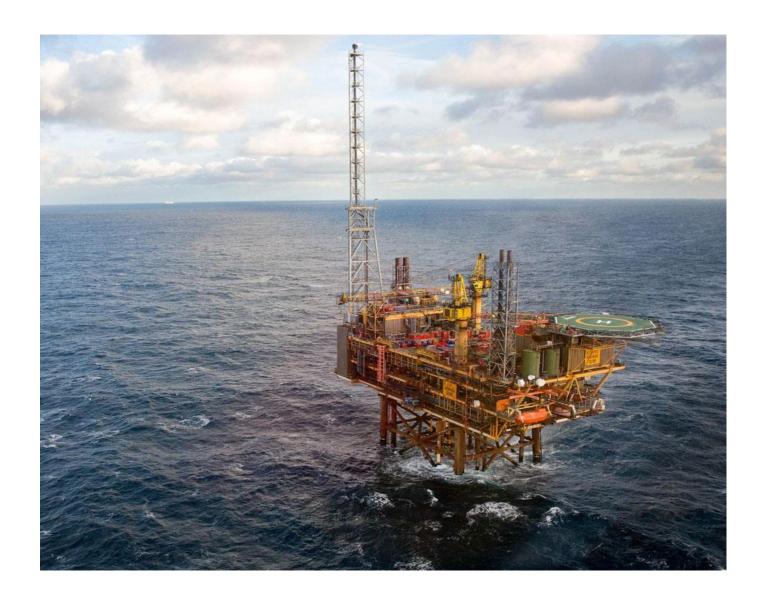
## **Infrastructure Code of Practice**

## Armada



The **Armada** hub installation consists of Drake, Hawkins and Fleming gas/condensate fields, with SW and NW Seymour and Maria fields in the UK Sector and Rev field (third party field operated by Repsol Norge AS) in the Norwegian Sector, all of which are tied back to Armada.

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Key Facts					
Field	Armada				
Block	22/5b				
Sector	U.K. Central North Sea				
Approx. distance to land	132 nautical miles East of Aberdeen				
Water Depth	89 metres (292 feet)				
Hydrocarbons Produced	Gas condensate and gas				
Export Method	Armada gas is exported via the CATS pipeline to Teesside, while the produced liquids go via the Forties Pipeline System (FPS) to the Kinneil processing plant at Grangemouth.				
Manned / Unmanned	Manned				
Operated /Non-Operated	Operated				
% of Harbour Energy Equity	100.0%				
First Production	October 1997				
Accommodation On Board	62				
Key Commercial Terms	None				

Infrastructure information						
Entry Specification:	Produced fluids must be commercially free of odours, materials, sand and solids/fluids that might interfere or cause injury to the proper operation of the Armada facilities; which for the avoidance of doubt shall include any material that would affect the merchantable value of Armada products.					
Exit Specification:	To meet the required specifications of the Central Area Transmission System (CATS) for export gas and the Forties Pipeline System (FPS) for export condensate.					
Outline details of Primary separation processing facilities:	The Armada platform has a single gas processing train and a single condensate processing train for the Armada topsides well fluids and the Rev, North West Seymour and Maria subsea well fluids. Initial stage separation for the Armada topside well fluids is through a three-phase vertical separator. Initial stage separation for the Rev subsea well fluids is through a three-phase horizontal separator. Initial stage separation for the North West Seymour and Maria commingled subsea well fluids and Seymour Horst topsides well fluids is through a three-phase horizontal separator.					
Outline details of gas treatment facilities:	The Armada gas processing facilities comprise a single gas compression train from the gas outlet of the three inlet separators. The gas compression train consists of booster compression followed by TEG dehydration and export compression.					

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High Level Capacity Information										
The basic capacity information is over the next 5 years.	s portrayed by	colour	coded	'traffic	lights'	that reflect threshol	ds of availability			
>25% capacity available	ca	5% - 25% capacity available		< 5% capacity available						
Armada Platform firm processir capacity available	ng Ulla	Ullage as % of system capacity			acity	Comment				
	2025	2026	2027	2028	2029					
Oil export capacity						23,200 bbl/day (based on Condensate Export Pumps)				
Gas compression						115 mmscfd (at 10 barg plant front end pressure)				
Gas export capacity						Governed by compression				
Gas lift capacity						NWS 1-5 mmscfd				
Produced water handling capaci	ty					10,000 bbl/day				
Dehydration capacity						330 mmscfd (at 10 barg plant front end pressure).				
H2S removal capacity						None				
Water injection capacity						None				

## Disclaimer:

While this information has been prepared in good faith, no warranty or representation (implied or express) is made as to its accuracy, completeness or relevance for use by any other party and no liability is accepted by Harbour Energy under any circumstances relating to the information and the use thereof.

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## **Contact Information**

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