



MAERSK



Al Shaheen 2001 FDP (Qatar)

As part of this project, **Zeta-pdm Ltd** undertook the design, engineering, supply and installation supervision, of the separation internals for the revamp & upgrade of the two (2) off existing horizontal **Inlet Separators; ACBAA & ASCAA-V-3401**.

Maersk Oil in Qatar operates the Al Shaheen field.

It was discovered in 1992 and is located 180km north of Doha in the Qatar peninsular

The field was de-bottlenecked and upgraded in 2001, to increase the oil production from 130-140,000 BOPD to 260-300,000 BOPD.

The field was developed on a fast track basis.



General Information;

Zeta-pdm supplied the internals for the upgrading of the 2 x Inlet Separators on the "BA" and "CA" platforms. The fast track nature of the delivery of the internals was paramount.

The project was extremely demanding due to the Client's requirements for both a short equipment delivery time of only five (5) weeks and minimisation of the shut-down time required for the internals (revamp) installation; whilst meeting stringent process, mechanical, HSE and quality specifications.

Zeta-pdm engineers also undertook the offshore supervision of the internals installation, ensuring that the promised installation of all the internals together with required modifications took less than 72 hours active-time in each separator. It should be noted that the two (2) off V-bank ZP-210 Vane Type Demisting Devices were each over 3,000 mm in length.



Installation of ZP-210 "V-bank" Vane Pack



The BA Inlet Separator Vessel and its only Manway Access

The scope included;

For the Inlet Separator ASBAA-V-3401;

- 1 x ZPV Inlet Device.
- 1 x ZHB® Distribution Baffle.
- 2 x ZVB® Calming Baffles.
- 1 x ZP-210 "V-bank" Vane Type Demisting Device.
- 1 x Weir Modification.
- New Support Clips.

For the Inlet Separator ASCAA-V-3401;

- 1 x ZPV Inlet Device.
- 1 x ZHB® Distribution Baffle.
- 2 x ZVB® Calming Baffles.
- 1 x ZP-210 "V-bank" Vane Type Demisting Device.
- 1 x Weir Modification.
- New Support Clips.

Vessel Principal Dimensions;

3,800 mm ID x 12,200 mm T/T

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