

## FPSO A-Frame

### MODEC



AME's A-frame attached to the MV11's swivel access structure.

### PROJECT SUMMARY

As a result of unplanned maintenance requirements onboard the Modec Venture 11 (Mutineer/Exeter DTM FPSO), the facilities' Upper and Lower Production Swivels and Medium Voltage Electrical swivel required removal from the turret assembly. Normally this task would be completed alongside utilising shoreside cranae. Instead, Modec engaged **AME** to supply an infield solution that would reduce vessel downtime and prevent shipyard costs.

**AME** progressed the conceptual development, engineering and fabrication in parallel, in order to meet a very ambitious schedule. Concept to installation in 7 weeks.

The success of the project hinged around **AME's** ability to design and install a system while on location, without any hot work and

without interruption to vessel production.

**AME's** solution comprised a 35Te capacity modular A-frame, with a 27m reach, that could pick up off deck and luff down to offload onto a cargo barge.

The scope included:

- Vessel motion and structural analysis.
- Design and fabrication of equipment
- Design and supply of specialised rigging
- Installation, operation and removal procedure development, planning and offshore execution

The project was completed safely, efficiently and ahead of schedule, show casing the practical, dynamic approach that makes **AME** the market leader in fast track solutions for the offshore market.



(a)

Photo (a): Personnel using the scaffolded monkey board to access each joint of the A-Frame to make-up the flanged connections.

Photo (b): Industrial rope access technicians reeving the A-Frame's luffing ropes through the AME designed 40Te WLL sheaves.

Photo (c): A-frame being utilised to lift the refurbished Medium Voltage Electrical Swivel from the supply barge.



(b)



(c)

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