

## Fatigue Gusset Installation

Diamond Offshore



Welding-out 180kg gusset on rig column SC3.

Fatigue Gusset Installation

### PROJECT PROFILE

Client:	Diamond Offshore Drilling Inc.
Location:	Ocean Epoch Darwin Harbour
Project Duration:	10 days
Date:	March 2003
Crew Size:	7

**AME** Pty Ltd was engaged by Diamond Offshore to install lower-hull-diagonal fatigue reinforcement plates onboard the Ocean Epoch.

**AME**'s scope of work encompassed the preparation of installation workpacks, supply of consumables and tools, provision of site labour, site supervision and preparation of the project MDR (Manufacturers Data Report).

**AME** mobilised personnel and equipment from Perth and Darwin.

Work entailed steelwork installation at the pontoon level of the rig. New steel was installed in 16 separate locations.

The installation works were made challenging by arduous environmental and physical constraints.

Diamond Offshore MODU (Mobile Offshore Drilling Unit) OCEAN EPOCH - stacked in Darwin Harbour.



**AME** welder and fire-watcher setting up for installation of gusset in pontoon tank.



New steelwork installed in pontoon tanks, (a) and (b).

New steelwork installed inside rig column, (c).

New steelwork (as shown on cover and (a), (b) and (c)) was installed at the base of four rig columns (16 separate locations in total).



---

**AME** Pty Ltd

Telephone: +61 8 9240 4115  
Fax: +61 8 9240 4116  
Email: [info@amepl.com.au](mailto:info@amepl.com.au)  
Web: [www.amepl.com.au](http://www.amepl.com.au)