

Case Study Lundin Structural Integrity Management



iicorr

Greenbank Place, East Tullos, Aberdeen, AB12 3BT

Tel: +44 1224 898282. Fx: +44 1224 898202

Email: info@iicorr.com

Web: www.iicorr.com

Copyright subsists in all deliverables including magnetic, optical and/or any other soft copy of this document.
This document may not be reproduced, in full or in part, without written permission

© iicorr 2005, all rights reserved

Reason for Issue	Case Study				
Document No	Case Study 07	Revision No	1	No of Pages	5
Issued By	Debbie E Tait	Year	2005		
Reviewed by	Mark Wilson				
Approved By	Roddy James				



Revision History Record

Page No	Rev	Date	Description of Change	By	Rvd	App
All	0	2002	Issue		MW	RJ
All	1	2005	Updated to reflect format change	DT	MW	RJ



Table of Contents

1	Introduction	4
2	Job Scope	5



1 Introduction

iicorr provided all the inspection / maintenance management services for the Heather A platform from 1990 onwards. Scope covered topsides and underwater structures, pipelines, process plant. Input included management, execution, supervision and reporting of inspection, preparation of Risk Based Inspection plans, corrosion monitoring and chemicals control as well as ad-hoc engineering studies.



2 Job Scope

The scope of work specific to jacket structures comprised:

- Development of underwater inspection strategies. In the early 1990's these were on a five-year rolling certificate of fitness basis. However, from the mid-1990's, **iicorr** used their Questar®-S methodology to optimise activities based on risk. This extended the inspection interval between surveys and took a holistic approach to end of field life.
- Workscope and workbook preparation.
- Contract management including prequalifying underwater contractors, preparing the tender specification, contract review, technical audit of contractors (particularly pre-mobilisation) and contract execution, arranging DSV audits, etc.
- Offshore supervision including the training and development of underwater inspection co-ordinators and the provision of both client representatives and inspection co-ordinators offshore.
- Day to day project management on a 7-day x 24 hours basis during offshore campaigns.
- Analysis of inspection results.
- Reporting on a technical, commercial and operations data basis.
- Updating of models and records.
- Custodian for the underwater structural integrity management system, ensuring it is up to date (with changing legislation) and remained fit for purpose.

The job also included providing general support to the Heather asset and acting in a project capacity as and when required. Projects included caisson replacement, repairs to boat bumpers, geotechnical sampling of the drilling mud mound, retrofitting subsea clamps and input to platform and pipeline abandonment studies.