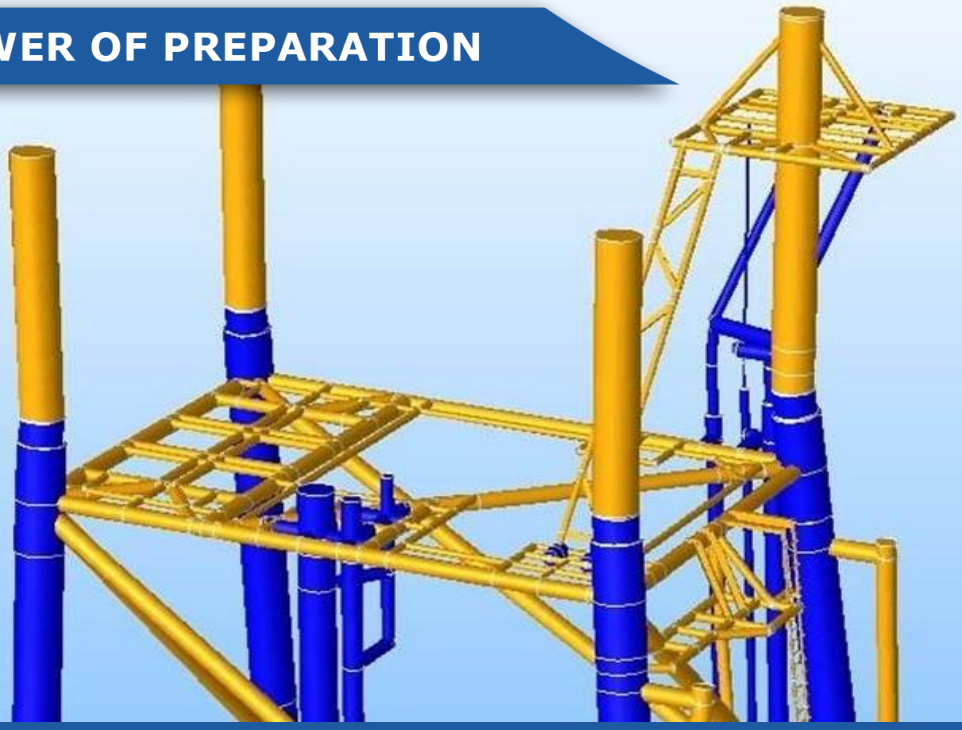
THE POWER OF PREPARATION



LIFE TIME EXTENSION ANALYSIS

Many platforms in the Dutch sector of the North Sea have been designed for a 20, 30 or 40 year life. In case the platform is nearing its design life it has to be re-certified. The certifying authorities require a check on the structural integrity of platforms.

For years, Dutch Offshore Platform operators entrust these extensive analyses to Conbit's structural engineers.

PROJECT

- ✓ ENGINEERING
- ✓ PROCUREMENT
- ✓ INSTALLATION

Client
Owners of onshore platforms

Project Name
Life time extension analysis for re-certification

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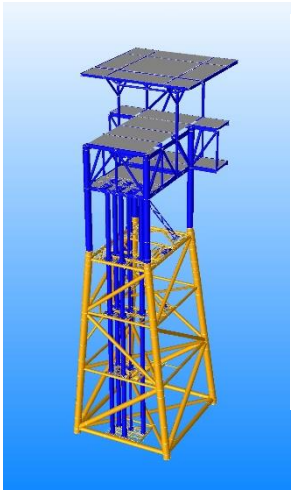
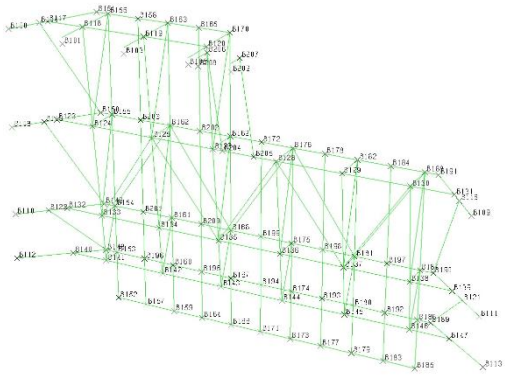
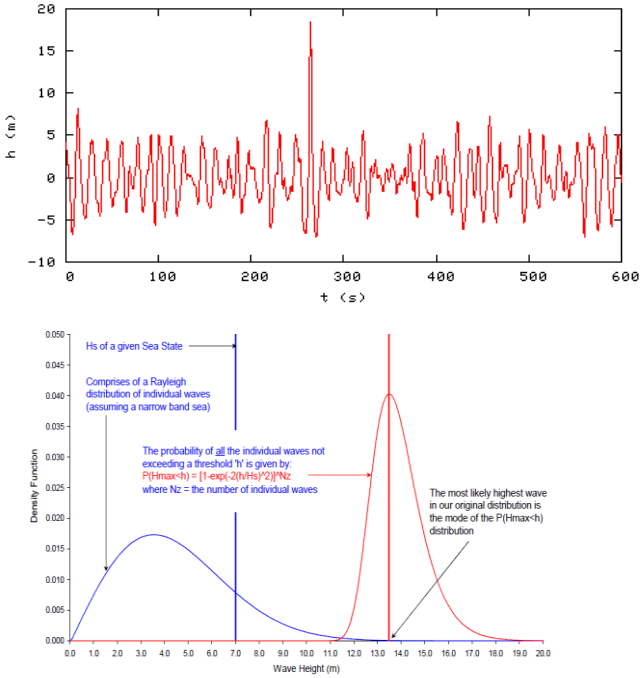
LIFE TIME EXTENIONS ANALYSIS

01SD039-C





Picture: SACS Model Plot – Module Overview and Joint Numbers.



Picture: Metocean Data as part of the Analysis.

CERTIFICATE OF STRUCTURAL LIFETIME EXTENSION

Fixed platform in the North Sea

Picture: Certificate Structural Lifetime Extension

RE-CERTIFICATION

When the owner of an offshore platform wants to extend the production time beyond the design life of the platform, he has to convince himself and a third party certification body of the structural integrity of the platform.

As part of this Re-Certification engineers perform a structural analysis. For this particular task SACS software is used.

All the major events, like collisions or modifications are taken into account. In this manner the in-place situation is analyzed together with a fatigue analysis.

Also Metocean data are integrated into the analysis to get a good picture of the integrity status during the certified period.

The analysis is complete after preparing a basis for structural inspection and inspection plan, which are also carried out in the Conbit office.

"CONBIT HELPS TO KEEP THE OFFSHORE ASSET IN OPERATION TO PROFIT FROM MODERN EXPLORATION TECHNIQUES"

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