Reduced Capex and Opex through increased fatigue service life and inspection intervals

Publieke samenvatting / Public summary

Background

The aim of the project is to develop a substantiated accurate model for fatigue crack growth that results in a reduced conservatism of both the fatigue life prediction and the inspection intervals compared to the current state of the art.

Short description of activities

The scope of this project covers the development of fundamental knowledge on the effect of retardation on the fatigue life of welded, thick walled, steel joints and on the foundations of the calculation of inspection intervals. The approach is to select a jacket and/or a monopile structure as a demonstrator in order to provide generic boundary conditions for the research.

Projectinformatie / Project information

Projectnummer / Project number
TKIW01005
Subsidiebedrag / Grant amount
€ 1.287.575,00

Algemene informatie / General information

Penvoerder / Secretariat
TNO

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