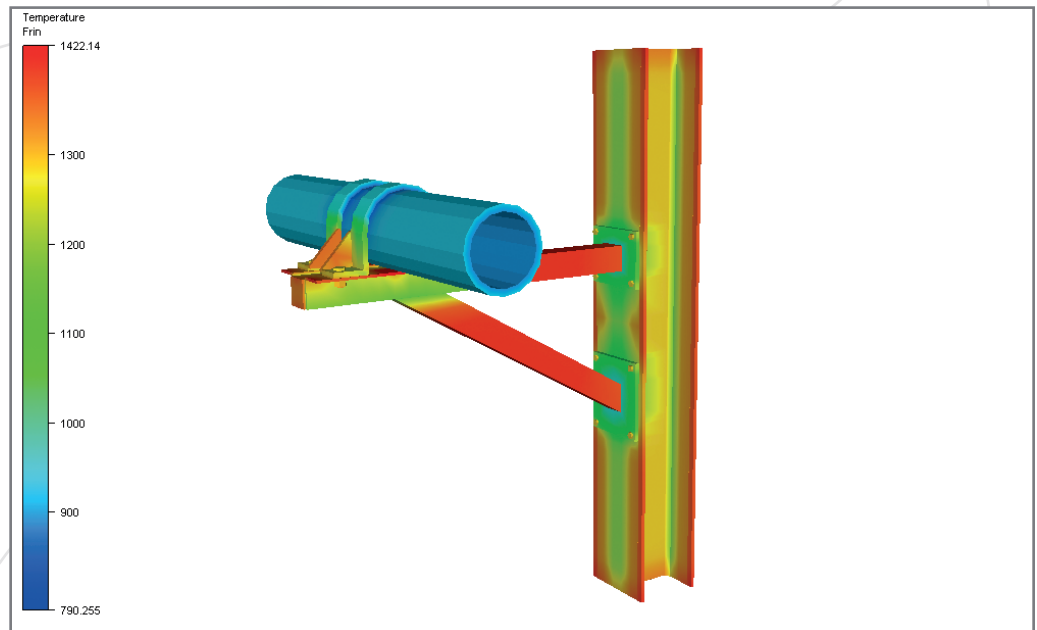


## Project Reference: Eldfisk Passive Fire Protection

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www.brilliant-cfd.com  
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<b>Client</b>	<b>Aker Solutions / ConocoPhillips (Norway)</b>
<b>Year</b>	<b>2011-2012</b>
<b>Installation/Plant</b>	<b>Eldfisk</b>

### Objective

ConocoPhillips has awarded Aker Offshore Partner AS (AOP) the EPCI contract for the Eldfisk II modification. The project comprises work on all existing Eldfisk platforms ELDA, ELDF, ELDE, ELDB and EMBL in the North Sea which will extend the lifetime of the field. Also a new platform, Eldfisk 2/7 S, will be installed and bridge connected to the Eldfisk Complex by Aker Solutions. New structures and lines containing HC will be installed on ELDE and the need for Passive Fire Protection shall be evaluated.

### Scope of Services

The scope of services was split into two tasks:

1. Evaluation of the need for PFP of new HC lines
2. Evaluation of the need for PFP of certain structural items

The first task was performed by using VessFire. For some lines it was concluded that the current design was OK. For others, an increased wall thickness would make PFP superfluous, and for some lines PFP was found to be necessary.

The second task was performed by using Brilliant: Structural components, including pipe supports, were modelled and exposed to defined fire loads (peak load and background heat load). PFP was needed in order to maintain structural integrity during the defined fire scenario.

### CONTACTS

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