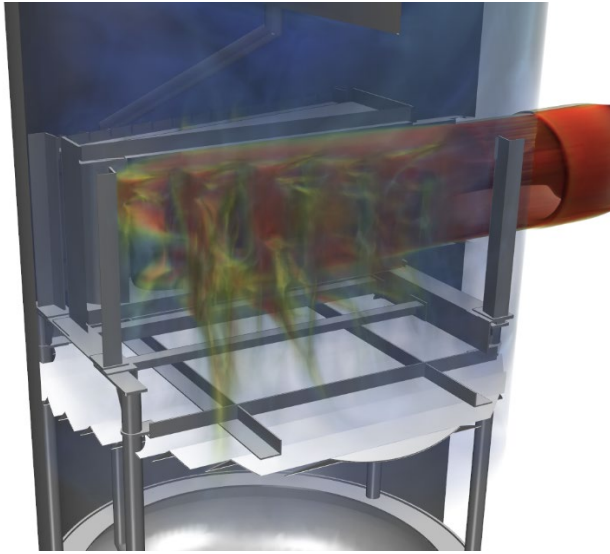


# Selected References Computational Fluid Dynamics

## Siri, Denmark

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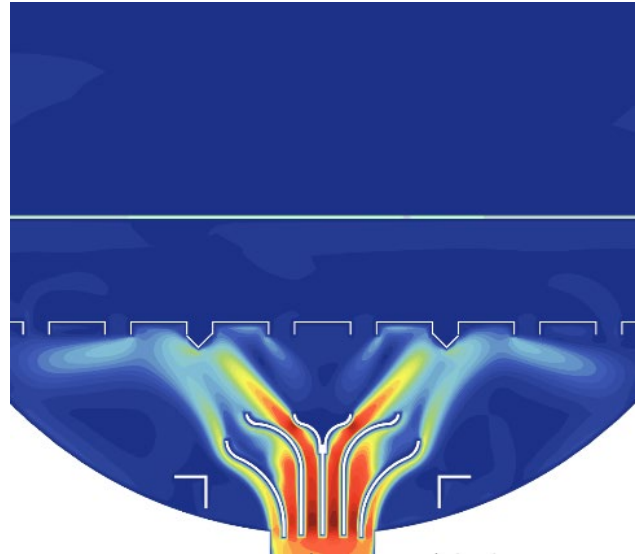


**Customer/End User:** DONG Energy  
**Solution:** 1<sup>st</sup> stage compressor suction scrubber upgrade to address liquid carry-over issues.

**Delivered:** 2017

## Goodwyn Alpha, Australia

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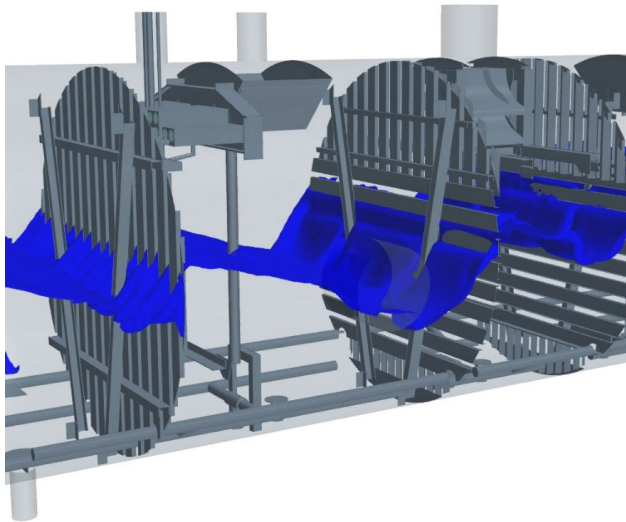


**Customer/End User:** Woodside  
**Solution:** Upgrade of the produced water condensate separator to increase handling capacity following on from a detailed process review.

**Delivered:** 2019

## Terra Nova, Canada

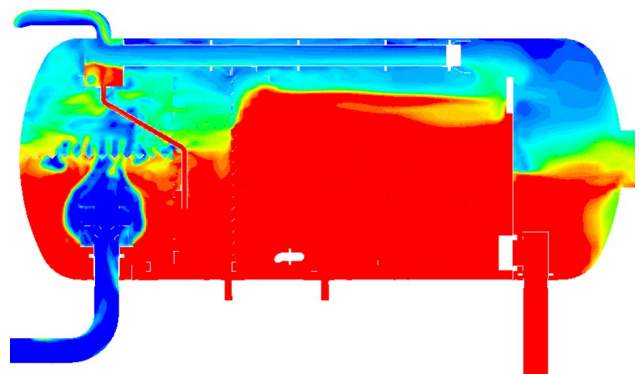
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**Customer/End User:** Suncor  
**Solution:** Improve operational performance through the upgrade of 4 different separators each verified by CFD sloshing analysis.  
**Delivered:** 2019

## Bunga Raya, Malaysia

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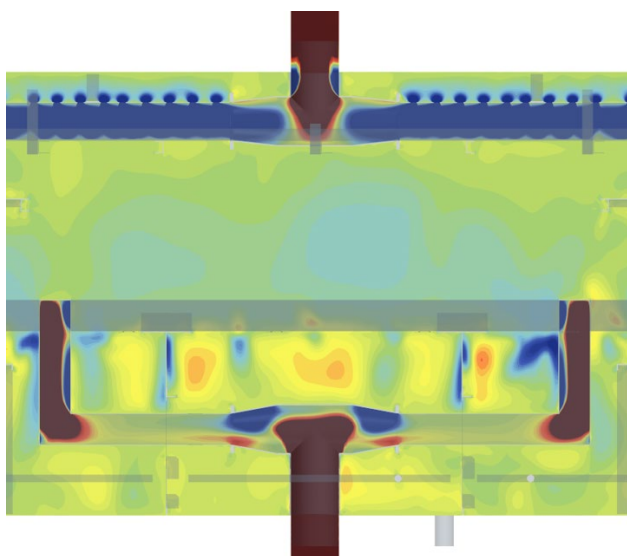


**Customer/End User:** Talisman Malaysia  
**Solution:** Gas blowby analysis of the produced water degasser to ensure that maximum allowable working pressure was not exceeded.  
**Delivered:** 2011

# Selected References Computational Fluid Dynamics

## Jotun, Norway

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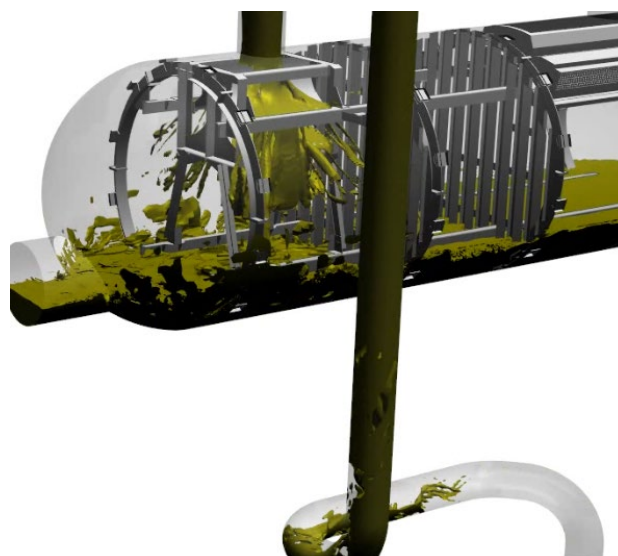
Customer/End User: Vår Energi

**Solution:** Verification of the upgrade internals for the 1<sup>st</sup> stage separator, electrostatic coalescer, and degasser vessels.

Delivered: 2021

## Lennox, UK

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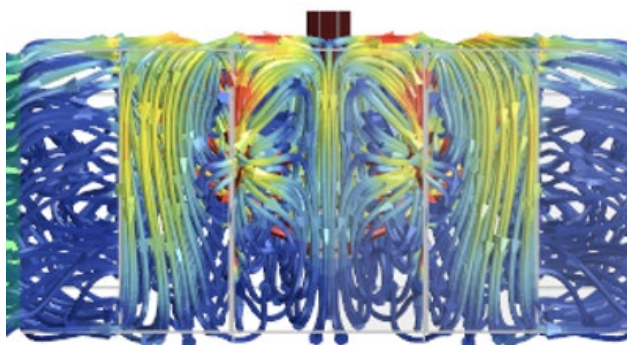
Customer/End User: Eni

**Solution:** Slugging analysis of the gas receiver vessel to confirm suitability of the new internals' arrangement.

Delivered: 2017

## Khurais, Saudi Arabia

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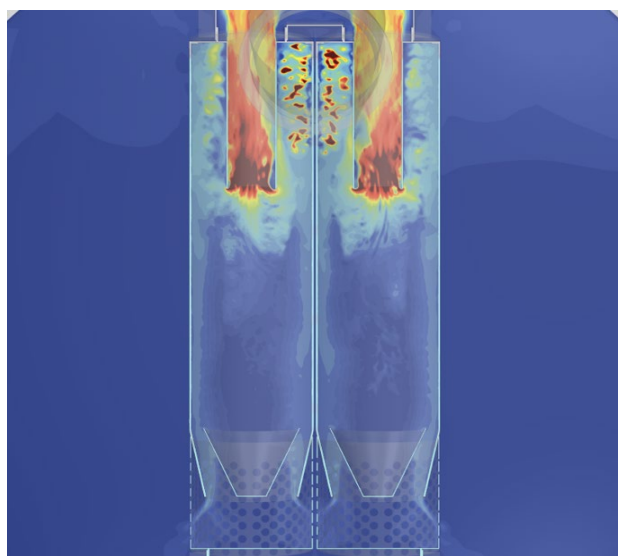
Customer/End User: Saudi Aramco

**Solution:** Flow visualization and performance verification of the internals upgrade for the water oil separator.

Delivered: 2021

## Grangemouth, UK

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Customer/End User: INEOS

**Solution:** Characterization of inlet cyclone performance at new vessel operating conditions.

Delivered: 2018