

Aerodynamic Offshore Services

Aerodynamic services provided to the offshore engineering and construction industry include:



Wind and current loads

We perform wind and current load measurements on semi-submersibles, SPAR platforms, jack-up platforms for assessment of:

- Stability under the influence of wind
- Wind forces for determination of moorings or DP system capability.



Wind and current loads on FPSO's

We perform wind and current load measurement on FPSO's for assessment of:

- Wind forces for determination of moorings or DP system capability.



Wind loads on ships near terminals or platforms

We perform wind load measurements on ships near terminals or platforms for assessment of:

- Wind forces for determination of mooring dimensions and for evaluation of operability.



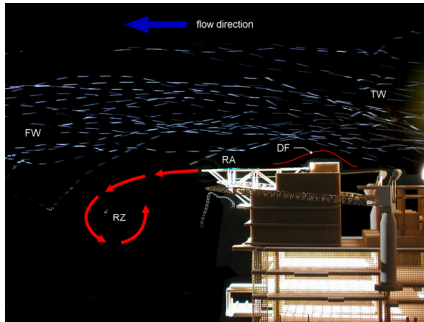
Helicopter operations

We provide investigation in the flow field above helicopter landing decks and potential temperature rises caused by nearby located exhausts.



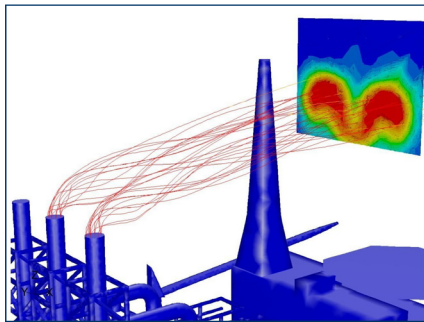
Analysis of funnel performance

We provide smoke visualisation and dispersion tests from funnel and hence possible smoke nuisance and presence of noxious gases.



Flow visualisation

Visualisation of flow field to detect possible flow related problems and to support measurements.



CFD studies

FORCE Technology provides investigations in:

- Smoke dispersion
- Local flow fields
- Temperature rises
- Ventilation
- Fire and explosion.

Utilising state of the art CFD codes.

FORCE Technology has a profound know-how in hydro and aerodynamics. Through dedicated and highly skilled staff we cooperate with leading engineers, consulting naval architects and construction yards all over the world.

The aim is always to liaise closely with the client throughout an assignment - from initial inquiry until the final report has been approved by the client.



Further information:

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Subject to changes without notice

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