

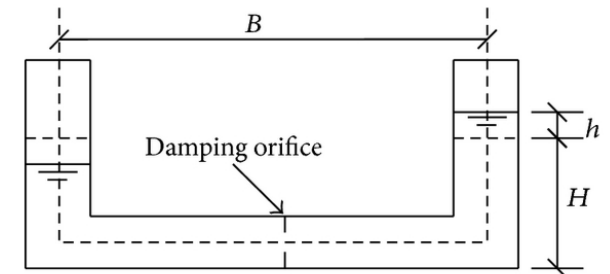
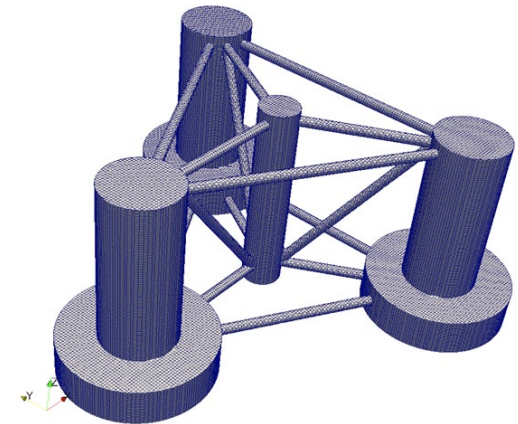
# Project 1: Passive Control of Wave Induced Platform Motions for Semi-submersible FOWTs

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- To evaluate the effectiveness of tuned liquid damper (TLD) devices to suppress both translational and rotational motions of semi-submersible FOWT support structures;
- Cost effective and low maintenance;
- A programme of combined numerical and experimental work;
- To start in February 2020 and a PDRA will be employed on the project for 12 months.



# Project 2: Extreme Loading on FOWTs under Complex Environmental Conditions

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- Funded by EPSRC for three years (Oct 2019 – Oct 2022) with a total value of £1.46M (FEC) and supported by 8 industrial partners;
- To evaluate extreme loading on and the survivability of FOWTs;
- A programme of joint numerical and experimental work;
- Focused on modelling the complex and realistic loading environments for FOWTs;
- Integrated approach to the analysis of aerodynamic and hydrodynamic loading on FOWTs.

