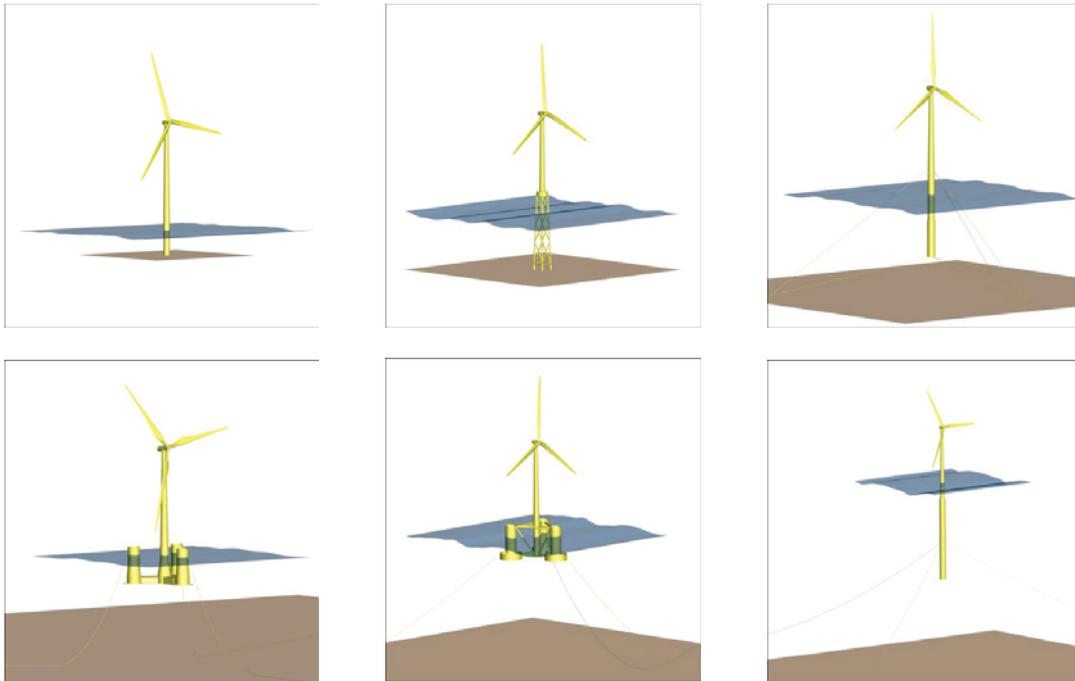


IFE 3DFloat offshore wind turbine simulation software



- IFE have developed the 3DFloat software for simulations of wind turbines on land, offshore bottom fixed or floating. It can also be used for other structures exposed to sea and/or wind loads. It for example have a robust numerical higher order solver, higher order structural mechanics allowing large deformations, state of the art turbulent wind modelling, aero-elastic rotor model, 2nd order short crested irregular waves, several different sea loads models, built in or 3rd party control systems and modelled of mooring lines.
- Better integrated models have been identified by the industry as an important way to improve research and engineering and to achieve improved accuracy and reduced uncertainties, risks and costs.
- Services are provided to the offshore industry by IFE and 3DFloat is being used by engineers in the industry.
- Integrated modelling of sea loads and geodynamics has been identified by the industry as areas of high priority. Separate industry and NRC funded projects have started on both topics.