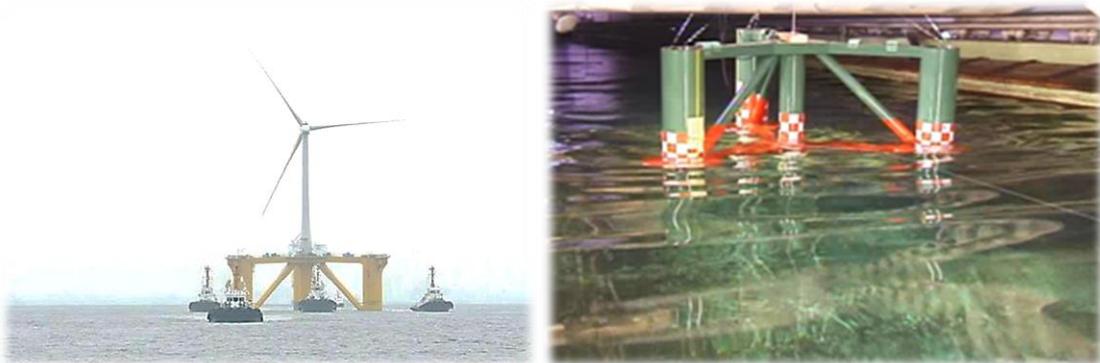


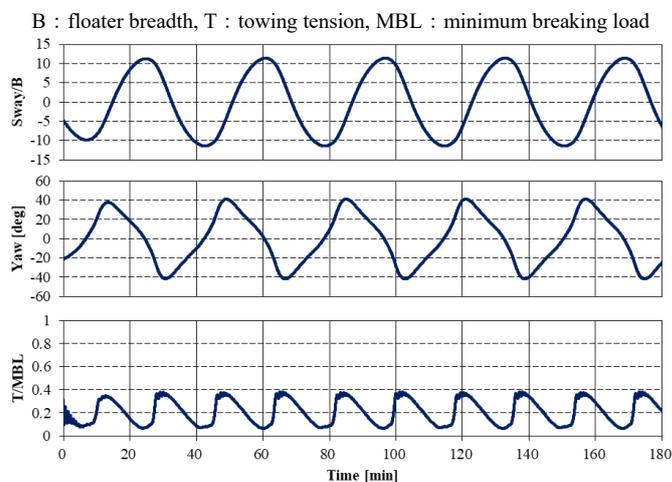
Towing Stability Evaluation Service

Numerical simulation tool was developed for predicting the maneuvering motions such as towed floater. The responses of towed floater in the wave, wind and current can be calculated in the time domain. It is probable to evaluate the maneuvering motions, towing capacity and towing conditions.

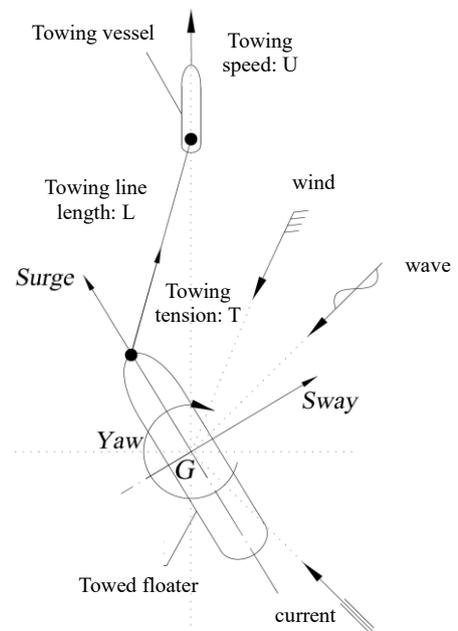


1. Numerical Simulation

- Main objectives of simulation
 - Estimation of towing capacity
 - Confirmation of towing condition
(Line length, Towing point, etc.)
- Outputs
 - Motions of towed floater (Surge, Sway, Yaw)
 - Towing line tension



Sample results of towing simulation



2. Scaled Model Test

- Objectives
 - Measurement of Hydrodynamic Forces, Current Load, Wind Forces
 - Measurement of Towing Force
 - Evaluation of Maneuvering Motions and Towing Capacity

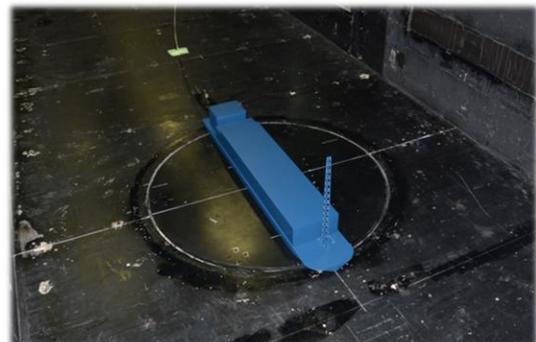
- Facilities
 - Towing Tank
(Large Towing Tank : Length 220m、 Small Towing Tank : Length 100m)
 - Ocean Engineering Basin
 - Wind Tunnel



Towing Test



Maneuvering Test



Wind Tunnel Test