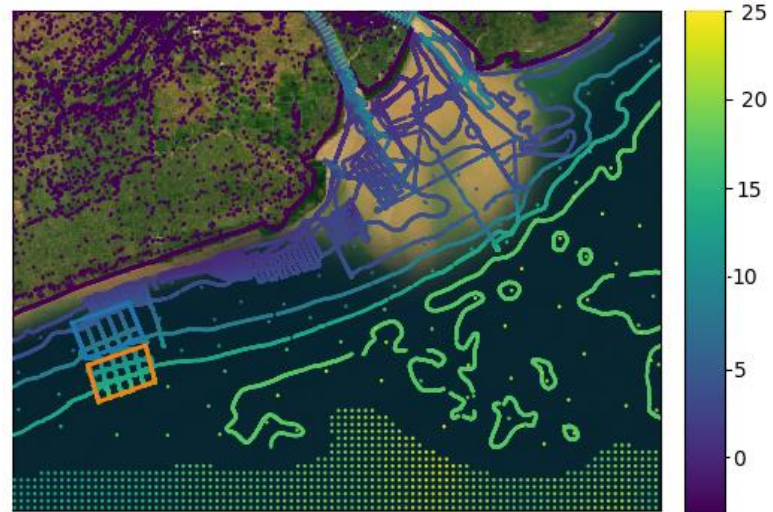
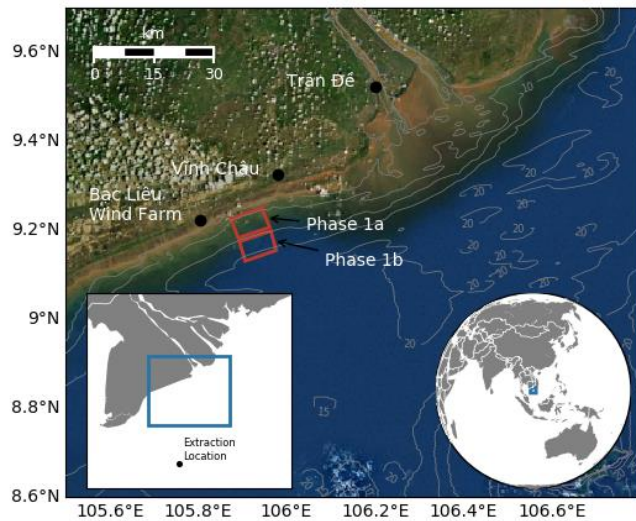


VIETNAM OFFSHORE WINDFARM: METOCEAN DATA OVERVIEW

Mekong Delta, Vietnam



Left –location of the proposed offshore wind farms. Right –bathymetry development utilising various sources of data.

INFO:

Location: Mekong Delta, Vietnam

Client: MRP and The Phu Cuong Group

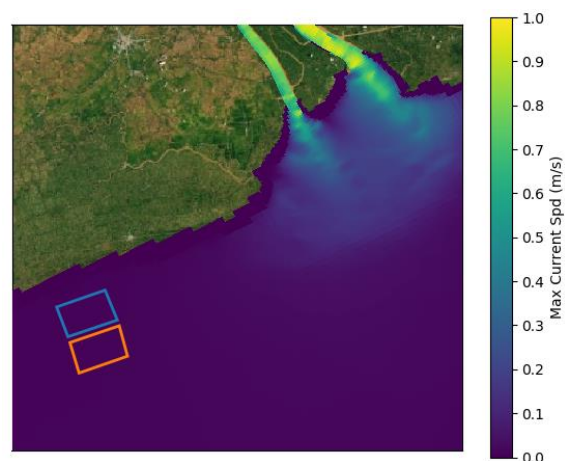
Project Date: June 2019

SCOPE OF WORK:

- Literature and Data Review
- Field Campaign
- Bathymetric Survey
- Data Analysis
- Hydrodynamic Modelling
- Wind and Wave Modelling
- Tsunami and Cyclone Modelling
- Design Criteria

PROJECT DESCRIPTION:

We were commissioned by Mainstream Renewable Power (MRP) and The Phu Cuong Group to provide metocean design criteria for an offshore wind farm located off the coast of the Mekong Delta. The study included a field campaign and a desktop-based modelling exercise. Bathymetry, wave data, current and sea level data were collected during the field campaign. These data were used in combination with other sources of data to create numerical models for simulating and testing specific metocean design criteria for the proposed offshore wind farm. Cyclone and tsunami events were also simulated in these model runs.



Maximum current speed due to freshwater flow from the Sông Hậu River during the month of October 2018.