

## Development of an offshore measurement system for wind and marine conditions

Our research proposal on “Research and Development of Offshore Wind Power Generation Technology (Measurement of Offshore Wind Climate)”, funded by New Energy and Industrial Technology Development Organization (NEDO) was accepted. This is a five year program and is carried out by Tokyo Electric Power Company (TEPCO) and The University of Tokyo.

An offshore measurement mast will be constructed on the south coast of Choshi city in Chiba prefecture and a gravity type foundation will be used. Wind and marine conditions will be measured and investigated by numerical models. Offshore wind energy maps and a guideline for measurement of offshore wind and marine conditions will be proposed, based on measurements and simulations. Figure 1 shows a rendering of offshore measurement mast.

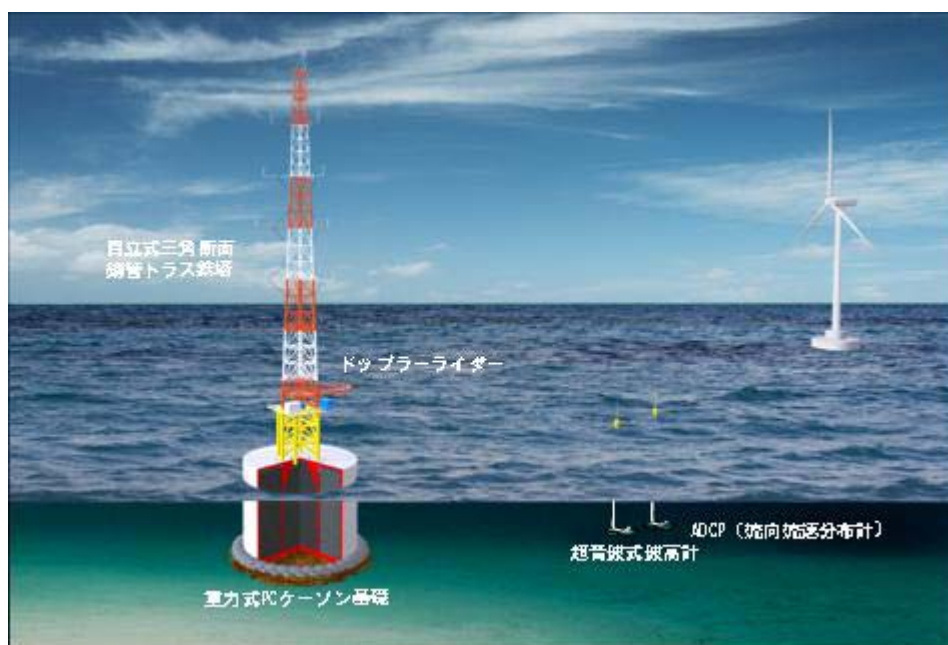


Figure 1 A rendering of offshore wind observation system