

# Floating Offshore Wind Installation Test of TLP Mooring Foundation

## 浮体式洋上風力発電 TLP 係留基礎杭の施工性検証

### Field demonstration experiment (Workability verification)

To anchor the Tension Leg Platform (TLP), the foundation for the floater is installed on the seabed in deep water. To achieve commercialization, it is essential to construct the foundation safely and efficiently. However, there are very few cases of such foundations being installed in Japan. Therefore, we conducted a workability verification in actual sea conditions.

### Toward the construction of floating wind farms

We installed test piles close to the actual scale in offshore conditions which are challenging for work vessels. The experience and know-how gained from this experiment in deep water will be utilized for future wind farm construction.



**Field experiment status**  
(Conducted off the coast of Ishikari bay, Hokkaido)



**Schematic diagram of TLP method**  
(Courtesy of MODEC, Inc.)

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