



**Type of work:**  
Offshore Windfarm Installation

**Location:**  
36km off the coast of Binhai County, Yancheng City, Jiangsu province, China

**Materials:**  
94 tons NaX<sup>®</sup> Q140-E

**Grouting days:**  
3 days

**Project date:**  
December 2019

## **BINHAI SOUTH H3#300MW OFFSHORE WINDFARM SUB- STATION INSTALLATION**

### **DISCIPLINES:**

- Renewable Energy
- Offshore Windfarm
- Subsea Jacket Installation

**The substation is designed by British ATKINS and PowerChina Huadong Engineering Co., Ltd. with a total weight 3,000 tons.**

### **PROJECT SCOPE**

- Grouting of Offshore Jacket Installation using NaX<sup>®</sup> Q140-E UHPC grout
- Supply of all grouting materials and equipment

### **SERVICES**

- Supply of materials and offshore grouting.

### **CHALLENGES**

- Due to challenging climatic conditions the project required grout compressive strength of 90 MPa prior to installation of topside module onto jacket structure.

### **SOLUTIONS**

- Despite very low sea temperature at 5°C during project execution, the average compressive strength under identical on-site curing condition exceeded the strength requirement within the first week.

### **CLIENT SATISFACTION**

- The professionalism and operational knowledge displayed by the grouting team won the praise from the main contractor's project manager as well as our client, after grouting was completed ahead of schedule despite bad weather conditions.

