# The Cable Solution Provider for Offshore Wind Farm

## Completion of the First Submarine Plant and Commencement of Construction for the Second Plant

taihan
CABLE & SOLUTION







# Completion of Submarine Cable Plant 1 _ Fully Operational System Launched

Taihan has established a Master Plan and is implementing it to become a global submarine cable company.
The first step, the submarine cable plant 1, completed its construction in June 2025 and is now in full-scale operation.

**Site Selection**




2022. 3

**Commencement of Construction**




2023. 1





**Construction in Progress**

2024. 6




**Plant 1: Phase 1 Operation**

**Completion of Plant 1**



2025. 6

2025. 9



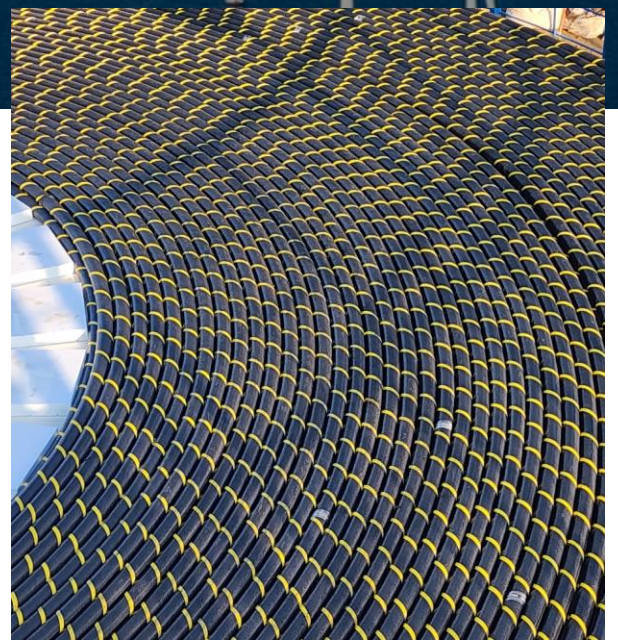
**Construction of Plant 2 Scheduled**

# Submarine Cable Plant 1 _ The Foothold for Expansion of the Offshore Wind Business

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# Submarine Cable Plant 1 _ Achieved Capability to Produce Inter-array & Export Cables

**The first submarine cable plant is equipped with a production system covering the full range of offshore wind applications, including inter-array, export, and dynamic cables.The plant has successfully supplied submarine cables for the Yeonggwang Nakwol Offshore Wind Project, currently the largest offshore wind project in Korea, as well as the 154kV submarine cable grid connection project for the Bigeum Solar Power Project in Sinan. Taihan is actively pursuing new orders in both domestic and international offshore wind markets.**

## Overview

- Commencement I January 2023
- **Completion I June 2025**
- Location I Godae Pier, Dangjin Port

Adjacent to cable / solution plants, fostering synergy in resources and workforce

Adjacent to the dock, facilitating the efficient loading of submarine cables

- Area I 47,240m² (508,487ft2)

## Production Performance

- Yeonggwang Nakwol Offshore Wind Farm Project
  33kV 3core 800/400/120mm² **Inter-array submarine cables**
- Anma Offshore Wind Farm Project
  66kV 3core 600mm² **Inter-array submarine cables scheduled for production**
- Sinan Bigeum Solar Power Grid Connection Project
  154kV Extra-High-Voltage Submarine Cable

| Inter-array Cable (33kV~154kV) | Export Cable (154kV~400kV) |
|---|---|
|  |  |
| [ 66kV Submarine Cable ] | [ 154kV Submarine Cable ] |

# Submarine Cable Plant 2 _ The Largest Submarine Cable Plant in Korea Will Be Constructed

**The construction of submarine cable plant 2, equipped with production facilities for high-voltage direct current(HVDC) submarine cables and long-distance export submarine cables, is in progress.**

**With the plant scheduled to commence operations in 2027, this initiative will establish a robust foundation for the stable supply of submarine cables to the West Coast Energy Highway as well as offshore wind projects in domestic and international.**

## Construction Plan

- Commencement I September. 2025 - **Operation I 2027. 2H**
- Location I Asan National Industrial Complex, Godae District

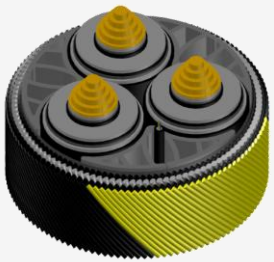
Adjacent to other cable plants including submarine plant 1, fostering synergy in resources and workforce

Adjacent to the dock, facilitating the efficient loading of submarine cables

Close to offshore wind farms on the west/south coasts

Excellent accessibility to the metropolitan area

- Area I 214,713m² (2,131,151 ft²)

| Export HVAC Submarine Cable (~400kV ) | HVDC Submarine Cable (~640kV) |
|---|---|
|  |  |



# Commencement of Construction for Submarine Cable Plant 2

Taihan plans to secure the capability to produce and supply a wide range of submarine cables by building a 187-meter-high VCV (Vertical Continuous Vulcanization) tower — the tallest in Korea — and advanced facilities, meeting the diverse needs of customers worldwide.

## VCV Tower




## Aerial View of the Submarine Plant 2



# PALOS

## CLV Proven for Performance off the West Coast

The 6,000-ton-class PALOS is Korea's first CLV introduced for offshore wind projects and a hybrid cable-laying vessel capable of operating selectively with either a DP2 system or anchoring method. It enables stable and precise installation even in challenging marine environments, including the West Coast, where shallow waters and strong currents present significant installation challenges. With the acquisition of PALOS, Taihan launched its turnkey execution system covering the entire submarine cable project lifecycle, from cable production and transportation to installation and maintenance.

### PALOS Features

- Improved Cable Installation Quality
  - The DP2 system enhances installation accuracy and simplifies post-installation maintenance.
  - Enhanced resilience to weather conditions reduces project duration and costs.
- Classification and Compliance with Offshore Wind Market Standards
- Capability to Expand into International and Deepwater Markets
  - Capable of cable laying in deeper and further areas compared to CLB (Cable Laying Barge).
  - Optimized for all kinds of cable laying, with exceptional performance for Inter-array cable using the high-speed navigation and precise DP2 system.
- Reduction in Time and Workforce
  - Optimized equipment for submarine cables allows operations with fewer crew members.
  - Reduced cable laying time lowers overall project costs.

### PALOS Performances

- **Yeonggwang Nakwol Offshore Wind Farm Project / Laying for Inter Array Cable (2025.7~), Laying for Export Cable(2025.5~6)**
- Starting with Waleney in the UK in 2010, PALOS was involved in numerous offshore wind projects. (Previous Vessel Name: Spirit)

### Acquisition of "Taihan Ocean Works," a specialized submarine cable installation company, in July 2025, strengthening installation and construction capabilities



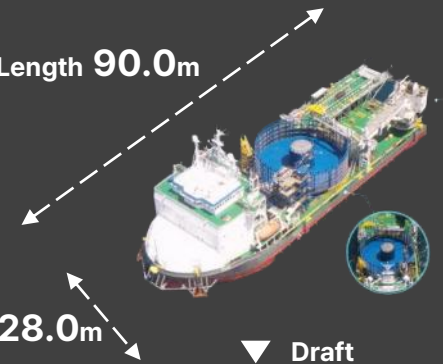







**Max. Speed**
**9knot** (16.7km/hr)

**Gross Tonnage**
**5,551GT**




**Offshore Crane**
**Equipped with a 140-ton offshore crane**

**Turn-Table**
4,400ton
(Outer diameter 24.0m / height 5.5m
(Max. 7m extension))

**Draft**
**Max. 4.7m / Min. 1.9m**
**(Bow Thrusters Down Max. 7.0m / Min 4.2m)**

**DP-2**
Dynamic Positioning System

# SKANDI CONNECTOR

## High-Spec CLV for Large-Scale, Long-Distance Projects

The 11,000-ton-class Skandi Connector is Korea's largest cable-laying vessel (CLV) for offshore wind projects, capable of carrying large volumes of submarine cables and supporting long-distance transportation and installation. It can accommodate a wide range of projects, including offshore wind inter-array and export cables, interconnections, and HVDC submarine cables. Taihan plans to fully implement a two-track installation system by operating the Skandi Connector and PALOS together, deploying the vessel best suited to each project's characteristics and installation environment.

### SKANDI CONNECTOR Features

- Improved Cable Installation Quality
  - The DP2 system enhances installation accuracy and simplifies post-installation maintenance.
  - Enhanced resilience to weather conditions reduces project duration and costs.
  - Outfitted with high-specification specialized laying equipment, including a large carousel and tensioner.
- Beaching Installation Capability
  - Optimized for Korea's coastal waters, including the West Coast, where water depths are shallow and tidal currents are strong, through its flat-bottom hull design for shallow-water beaching operations.

### Optimized for All Cable Laying Operations, Including Inter-array, Export, Interconnection, and HVDC

### SKANDI CONNECTOR Performances

- Deployed in a total of 27 projects with a proven track record of laying approximately 1,300 km of submarine cables.
- Safety and construction capabilities fully verified in global markets, including Europe.

### Arrived at Busan Gamcheon Port in June 2026



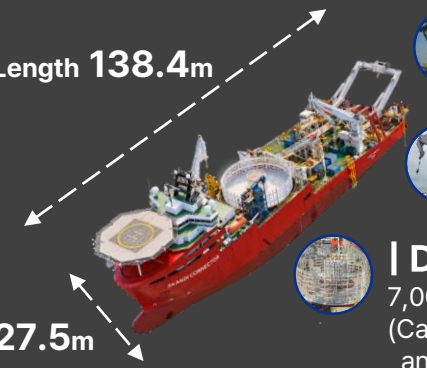







**Max. Speed**
**12knot** (22.2km/hr)

**Gross Tonnage)**
**10,678GT**




**A-frame**
Equipped with
a 64-ton A-frame

**Marine Crane**
Equipped with
a 100-ton AHCcrane

**Dual Basket Carousel**
7,000 ton
(Capable of simultaneous loading and laying of two cables)

**DP-2**
Dynamic Positioning System

**Helideck**
Maximum take-off
weight of 12.8 tons

# Taihan's Production Infrastructure Cluster, Dangjin

From the world's largest cable plant and solution plant, to the largest submarine cable plant in Korea, Taihan will lead the global cable industry in Dangjin, Chungcheongnam-do, the center of domestic and international logistics and transportation.



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