



# **S. B. SUBMARINE SYSTEMS CO., LTD.**

## RENEWABLES SERVICES

LINKING THE WORLD  
LIGHTING THE FUTURE





## CORPORATE INTRODUCTION

S.B. Submarine Systems Co., Ltd. (SBSS) is Asia's leading provider of submarine cable installation and maintenance solutions.

Serving both fibre optic and power cable sectors, we are experts in telecommunications, power utility, oil and gas and renewables markets.

Established in 1995 at the maritime center of Shanghai, we have a long legacy of transforming global connectivity in this ever-changing era.

## GROUP SYNERGY

SBSS is a joint venture between China Comservice (CCS) and Global Marine Group (GMG). Harnessing CCS's broad influence across the globe and GMG's unparalleled heritage of 160 years in submarine cable sector, we are empowered to tackle the most challenging projects and adopt a proactive approach.

GLOBAL MARINE | GROUP

中国通信服务  
CHINA COMSERVICE

## OUR EXPERTISE

### ▼ Pre-project Planning & Cable Installation

*60,000km unprecedented track record*

- Installation of export and inter-array cable
- Shore-end landing and beach works
- J-tube pull-in, cable termination and testing

### ▼ Burial and Protection

*Cutting-edge assets deliver precision*

- Trenching and post-lay inspection and burial (PLIB)
- ROV-supported burial inspection
- Customized protection solution (sandbag, mattress, cable protection system)

### ▼ Subsea Asset Integrity Management

*Complete services portfolio and bespoke solution*

- ROV-supported subsea asset inspection (cable, foundation, substation)
- Inspection and analysis of cable burial depth
- Scheduled and unscheduled maintenance



**Voith Tidal Turbine (2011)**



**Guoneng Dafeng (2020)**

## POWER CABLE INSTALLATION AND BURIAL

SBSS is highly experienced in power cable installation and burial with over 40 projects delivered across power utility, O&G and offshore wind sectors since 2003.

We are committed to increasing client satisfaction through integrated service offering. Our comprehensive set of services covers the lifecycle of submarine power cable from pre-project planning, route survey, PLGR, shore-end landing, inter-array and export cable installation, trenching to ROV-supported inspection and repair.

Our specialized submarine cable installation fleet is fully integrated with a range of cable trenching & burial equipment, allowing SBSS the ability to provide versatile installation & burial solutions from very shallow water to deep sea and in most seabed conditions.

### ▼ LONGYUAN DAFENG EXPORT CABLE INSTALLATION

- Developer** : Longyuan Jiangsu
- Asset** : Ailan 1 + Jetting Sledge
- Location** : Jiangsu, China
- Year** : 2018-2019
- Scope of work** : Installation and burial of 19.5km 220kV export cable

### ▼ ADDING VALUE

Bringing our extensive deepwater experience into shallow water wind farms, we achieved precise laying and ahead-of-time project delivery in severe winter season.

## ASSET INTEGRITY MANAGEMENT

Reducing windfarm's lifecycle cost is at the heart of today's offshore wind development. At SBSS, we are committed to offering our client value-added and responsible solution to protect their subsea asset integrity during the course of lifetime.

Our decades of expertise in subsea combining with fully-equipped assets, in-house talent and forward-thinking attitude enable us to offer a complete services portfolio covering the most crucial offshore wind subsea assets from cable, foundation to substation.

### ▼ LUNENG DONGTAI J-TUBE AND MONOPILE FOUNDATION INSPECTION

- Developer** : Luneng Jiangsu
- Asset** : Predator Observation-class ROV
- Location** : Jiangsu, China
- Year** : 2020
- Scope of work** : Subsea inspection of two monopile foundations and J-tube condition

### ▼ ADDING VALUE

This is the first time that ROV has been employed in the Chinese offshore wind O&M sector. Our successful project delivery demonstrates the feasibility of this methodology and its added-value in comparison with the conventional way of inspection delivered by divers.



**Longyuan Dafeng (2019)**



Fu Yong 6



Fu Tai

Cable Lay Vessel

**Fu Yong 6**

**DP:** Upgradable  
**LOA:** 95.14m **Beam:** 30.48m  
**Cable Lifting Capacity:** 5,500t  
**Mooring:** 6-point mooring system



**CS Fu Hai & Bold Maverick**

**DP:** DP2  
**LOA:** 105.8m **Beam:** 20m  
**Cable Lifting Capacity:** 5,700t

**Fu Tai**

**DP:** DP2  
**LOA:** 122.5m (tbc) **Beam:** 27m  
**Cable Lifting Capacity:** 3,000t



Subsea Asset

**Q1000**

**Type:** ROV with trenching capability  
**Power:** 1,000HP **Burial Depth:** 0-3m



**Sealion III**

**Type:** ROV with trenching capability  
**Power:** 600HP **Burial Depth:** 0-3m

**Sealion I**

**Type:** ROV with trenching capability  
**Power:** 200HP **Burial Depth:** 0-1.5m

**Predator**

**Type:** Observation class ROV



**HP-1500**

**Type:** Plough  
**Burial Depth:** 0-3.3m

**Hi-Plough**

**Type:** Plough  
**Burial Depth:** 0-3.25m

**Longli Sledge**

**Type:** Jetting Sledge  
**Burial Depth:** 0-3.30m

Depot

**Wujing Depot**

**Total storage capacity:** 3,841m<sup>3</sup>  
**Cable tanks:** 20 tanks, 18 out of which are custom-bonded



Sealion III



Q1000



HP-1500

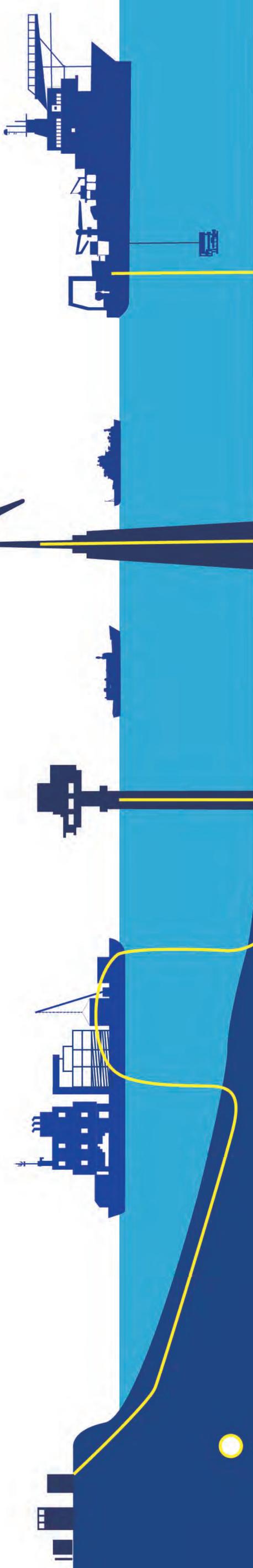
# Our Renewables Services



○ Cable Storage

○ Project Management

○ Specialist Cable Ships



● Project Engineering

● Pre-Project Planning & Cable Installation

● Subsea Asset Integrity Management

● Crew Transfer Vessel

● Cable Route Services

● Trenching & Protection

**60,000km+**

INSTALLED

**20,000km+**

BURIED

**120+**

PROJECTS WORLDWIDE



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