



S. B. SUBMARINE SYSTEMS CO., LTD.

POWER UTILITY 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.

OUR EXPERTISE

▼ Pre-project Planning & Cable Installation

Proven capabilities in delivering solutions for challenging projects

- Permitting and route survey
- Pre-lay grapnel run (PLGR) and surface lay
- Shore-end landing and beach works
- Cable and pipeline crossings
- Cable testing

▼ Burial and Protection

Cutting-edge assets deliver precision

- Simultaneously lay and burial of low-to-high voltage power cable
- Post-lay inspection and burial (PLIB)
- Customized protection solution (mattress, articulate pipe etc.)

▼ Inspection and Repair

10-Year Guardian of China Southern Grid's 500kV Power Cable

- ROV-supported burial inspection
- Shallow and deep water repair solutions
- Cable recovery and testing
- Other remedial works

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





Wando-Jinsan (2017)

POWER CABLE INSTALLATION AND BURIAL

INTEGRATED SERVICES

SBSS is highly experienced in power cable installation and burial with over 50 projects delivered across power utility, O&G and renewables 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, cable installation, trenching to ROV-supported inspection and repair.

CUSTOMIZED SOLUTIONS

With an established reputation in delivering technical solutions for challenging projects, we are capable to create effective solutions tailored to customers' needs. Such solutions include the bundled-laying of three cables for the Jindo-Jeju Interconnector project and 6m burial for the Bangladesh Sandwip project.

CHINESE PROXIMITY

Strategically located in Shanghai, China, we are geographically close to Asian cable manufacturers which enables us to offer a "one-stop" solution from cable transportation to installation in one package. This will not only significantly reduce the risk of cable damage by avoiding transpooling activities but also achieve substantial schedule and cost savings.

STATE-OF-THE-ART ASSETS

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

Q1000 TRENCHER

Q1000 is a purposely-designed trenching ROV with 1,000 horsepower and can bury cable up to 3m in a single burial pass. Q1000 is equipped with the state-of-the-art TSS 440 and 350 dual cable tracking systems, which provide constant cable and pipe location data to ensure burial accuracy. Q1000 represents the cutting-edge technology in cable and pipeline burial methodology.



Hwawon-Anjwa (2010)



Bangladesh Sandwip (2018)



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 : 131.2m **Beam :** 27m

Cable Lifting Capacity : 3,000t

Subsea Asset

Q1000

Type: ROV with trenching capability

Power: 1000HP **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: 0-3.25m

Depot

Wujing Depot

Total storage capacity: 3,841m³

Cable tanks: 20 tanks , 18 out of which are custom-bonded



Sealion III



Q1000



HP-1500

Our Power Utility Services



**Cable
Storage**



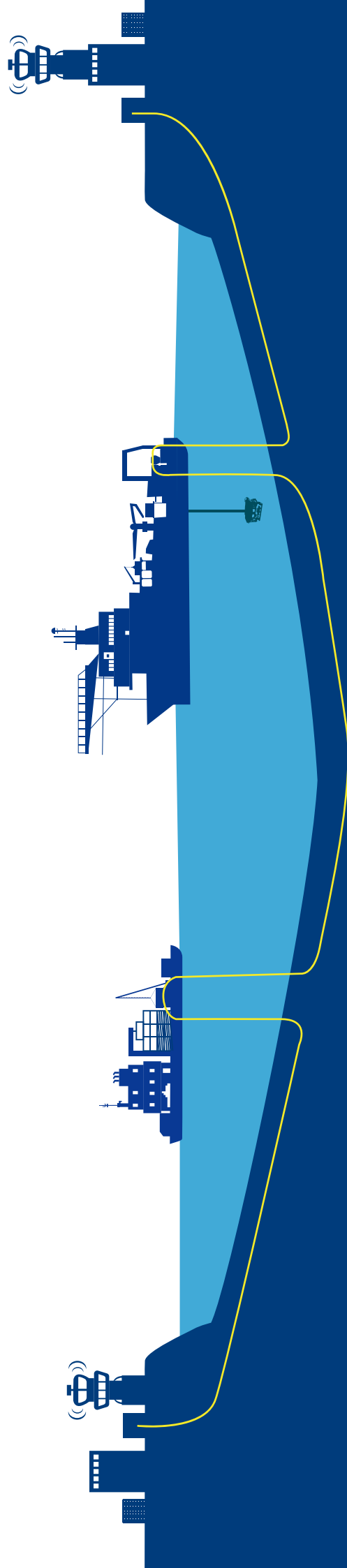
**Shore-end
Landing**



**Specialist
Cable Ships**



**Project
Management**



**Pre-Project Planning
&
Cable Installation**



**Cable Route
Services**



**Trenching
&
Protection**



**Subsea Survey
Solutions**



65,000km+

INSTALLED



20,000km+

BURIED



130+

PROJECTS WORLDWIDE



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