



S. B. SUBMARINE SYSTEMS CO., LTD.

OIL AND GAS 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

▼ Subsea Cable and Flexible Pipe Installation

Proven track record with BP, Shell and CNOOC

- Desktop study and route survey
- Inter-platform and shore-to-platform cable installation
- Flexible pipe installation and J-tube works
- Shore-end landing and beach works
- Cable and pipeline crossings
- Cable testing

▼ Burial and Protection

Cutting-edge assets deliver precision

- Inter-platform and shore-to-platform cable burial
- Post-lay inspection and burial (PLIB)
- Pipeline trenching
- Customized protection solution (mattress, articulate pipe etc.)

▼ Diving Support and IRM Operations

Customized and cost-effective solutions

- ROV-supported inspection, repair and maintenance (IRM) works
- DP2 vessels supporting saturation diving operations

GROUP SYNERGY

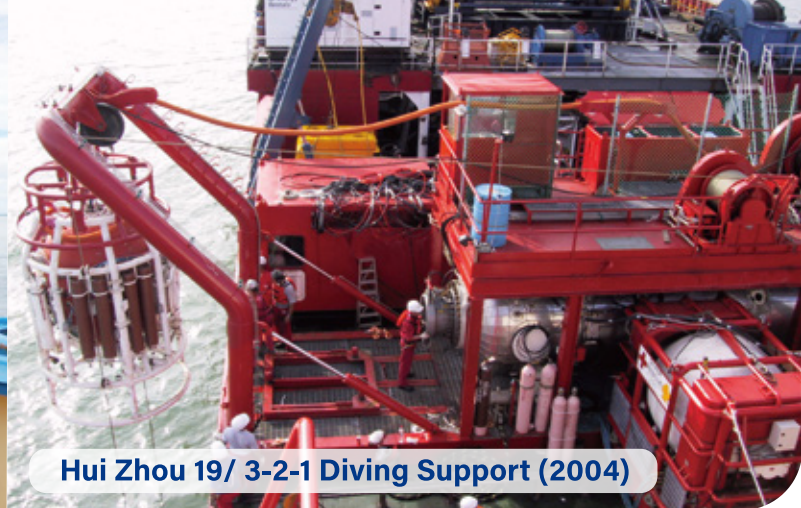
SBSS is a joint venture between China Comservice (CCS) and Global Marine Group (GMG). Harnessing CCS's broad influence across the globe and GMG's unparalleled heritage of 160 years in submarine cable sector, we are empowered to tackle the most challenging projects and adopt a proactive approach.

GLOBAL MARINE | GROUP





BP Tangguh Expansion (2019)



Hui Zhou 19/ 3-2-1 Diving Support (2004)

INTER-PLATFORM CONNECTIVITY

INTEGRATED SERVICES

SBSS stepped into the O&G market in 2003 with the first project delivered in the Dong Fang 1-1 field in South China Sea, since then we have completed 30 projects in this sector across the globe, including BP Tangguh Extension in Indonesia, Shell Cili-Padi in Malaysia, Qatar Barzan in the Middle East and various offshore O&G fields in China.

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

QHSE STANDARDS

Keeping a high standard in Quality, Health, Safety and Environment (QHSE) management is at the heart of our day-to-day operation. Our project delivery in Tangguh Extension field for Saipem and BP as the end user in 2019, is exemplary of our commitment in pursuit of outstanding QHSE performance.

SBSS is certified to ISO 9001, ISO 14001 and ISO 45001.

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 DP2 subsea construction vessels Bold Maverick, CS Fu Hai and Fu Tai are fully integrated with a range of cable burial equipment, allowing us to provide versatile subsea solutions in most seabed conditions.

TRACK RECORD

SBSS has a track record of successful project delivery for renowned customers in the O&G sector, including BP, Shell, Saipem, COOEC and Hallin. DP2 classed and equipped with both submarine cable ploughs and trenching ROVs, SBSS's vessels can offer a wide range of integrated subsea construction services in a qualified and timely manner.

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.



Wenchang O&G Field (2014)



Cili-Padi O&G Field (2011)



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 Oil and Gas Services



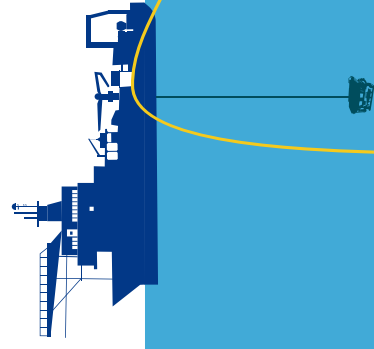
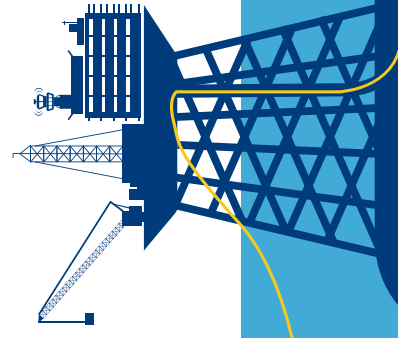
**Project
Engineering**



**Specialist
Cable Ships**



**Project
Management**



**Subsea Survey
Solutions**



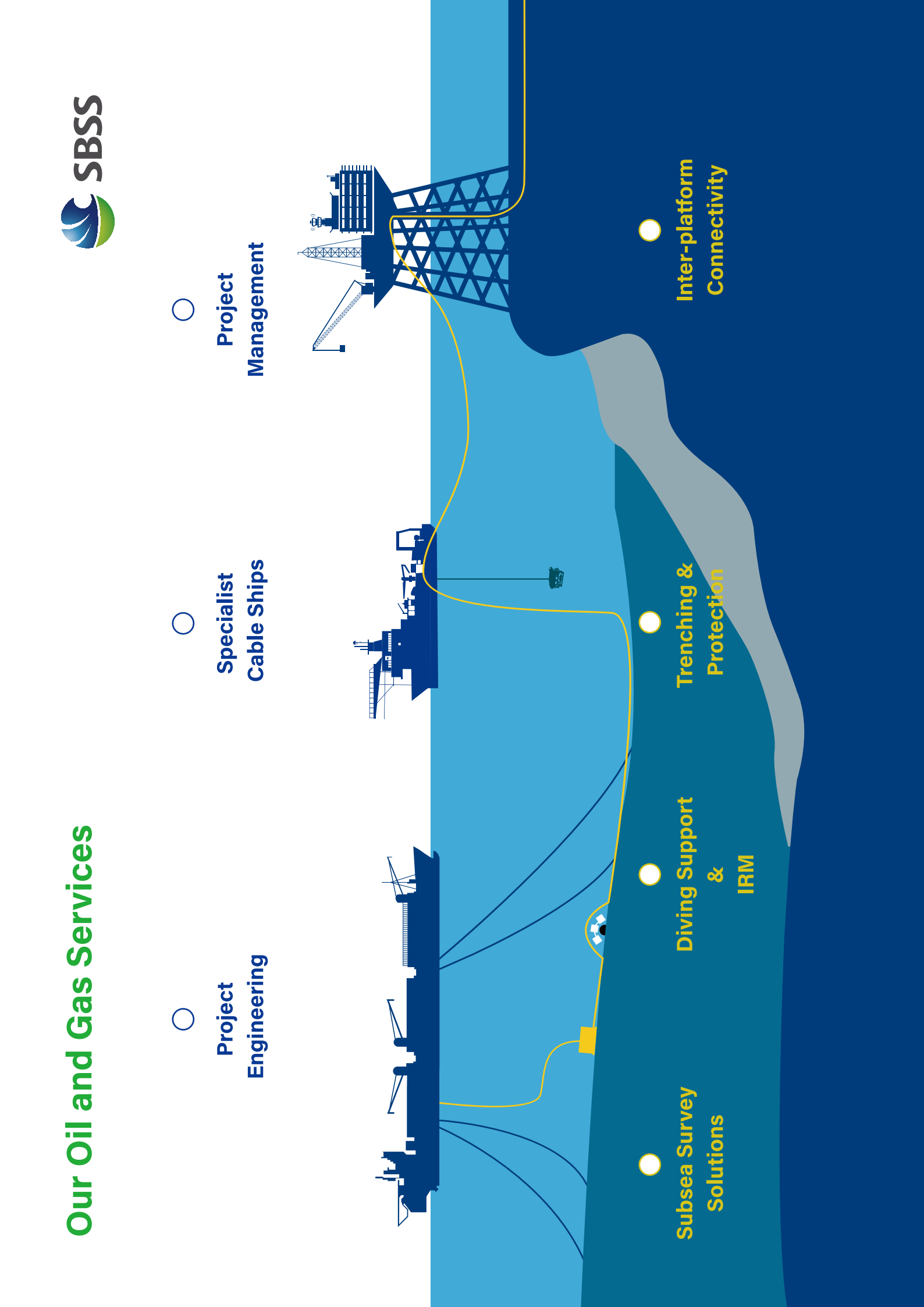
**Diving Support
&
IRM**



**Trenching &
Protection**



**Inter-platform
Connectivity**





65,000km+

INSTALLED



20,000km+

BURIED



130+

PROJECTS WORLDWIDE



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