



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

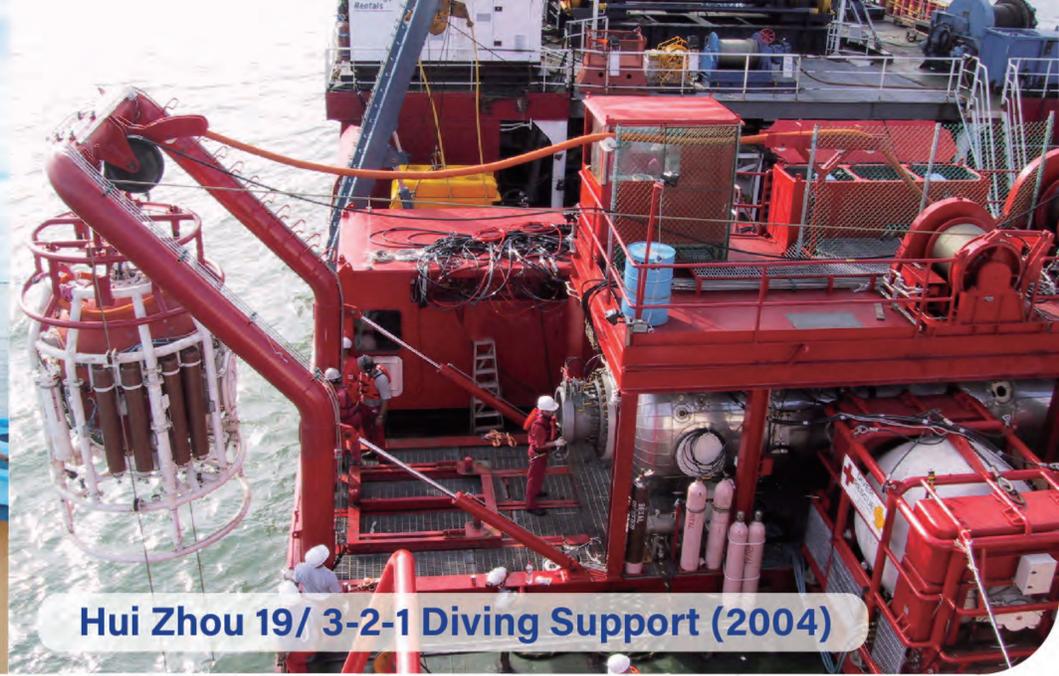
SBSS is a joint venture between China Comservice (CCS) and Global Marine Group (GMG). Harnessing CCS's broad influence across the globe and GMG's unparalleled heritage of 160 years in submarine cable sector, we are empowered to tackle the most challenging projects and adopt a proactive approach.

GLOBAL MARINE | GROUP

中国通信服务
CHINA COMSERVICE



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 and CS Fu Hai 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.

SEALION III

Sealion III is a purposely-designed trenching ROV with 600 horse power and can bury cable up to 3m below seabed. Sealion III is equipped with the state-of-the-art TSS 440 and 350 dual cable tracking systems, which provides constant cable and pipe location data to enable burial accuracy. Sealion III 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: 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: 3,841m³
Cable tanks: 20 tanks, 18 out of which are custom-bonded



Sealion III



Q1000



HP-1500

Our Oil and Gas Services



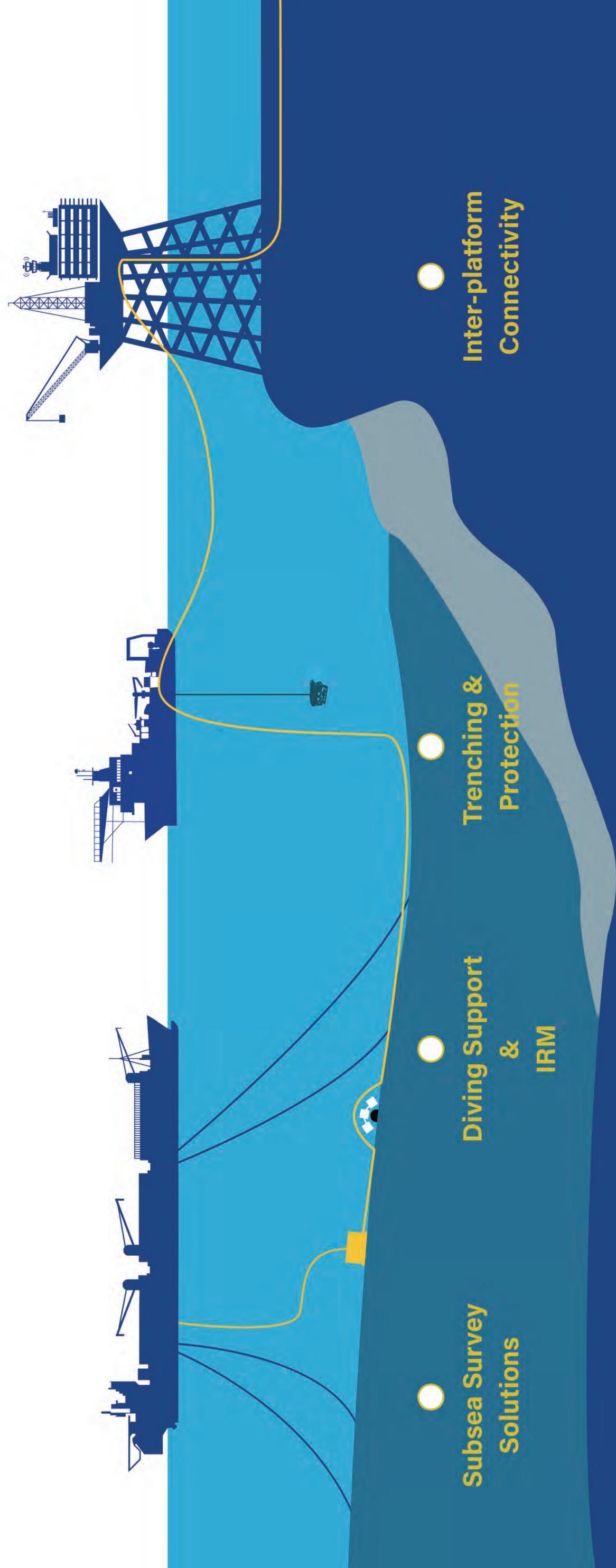
**Project
Engineering**



**Specialist
Cable Ships**



**Project
Management**



60,000km+

INSTALLED

20,000km+

BURIED

120+

PROJECTS WORLDWIDE



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