A good measure of success for the technology development work we have undertaken is the level of industry recognition we have achieved. SBM Offshore is proud to have been awarded several Spotlight on New Technology awards in recent years at the Industry’s annual showcase event, the Offshore Technology Conference (OTC). The wide diversity of new products recognized in these awards is testament to the breadth of SBM Offshore’s technology innovation.

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**SBM Offshore Technology Awards over the last six years**

- **2018**: Distinguished Achievement Award for Shell and SBM Offshore for Turritella (FPSO)
- **2017**: Turritella FPSO Turret Mooring System
- **2015**: ARCA Chain Connector System
- **2014**: VHP Fluid Swivel
- **2013**: Drilling Riser Trip Saver™
- **2011**: COOL™ LNG Marine Transfer Hose
- **2011**: HV-AC Electric Swivel
Technology Trends in the Offshore Energy Industry

To ensure that its investment in technology development is focused in the most rewarding areas, SBM Offshore carefully monitors and tracks market requirements, and ranks these to select promising areas for R&D and product development.

Chief amongst these is the trend to renewable sources of energy, such as offshore wind and wave, alongside a more dominant role for gas in the future. SBM is well positioned to bring its own project management know-how and skills to bear on these rapidly growing new market areas and is developing a solid portfolio and business strategy to meet the needs of the future energy mix.

Today the greatest challenge is to continue to improve our current products, address ongoing technical challenges and reduce field development costs, while investing in product innovation for the transition to a future renewable markets. SBM Offshore seeks early engagement with our clients to understand their technology requirements and to share our technology knowledge. Our aim is to ensure our current and future technology development meets the needs of our clients.

Bringing New Technology to Project Readiness

It is critical that all new technology is fully developed, tested and certified before being used on real projects. Failure to do so could incur huge risks to project cost, schedule, performance and/or safety.

SBM Offshore therefore has a Technology Readiness Level (TRL) process, which is an adaptation of the TRL process defined in AIP (IP) 170 (Recommended Practice for Subsea Production System Reliability and Technical Risk Management, 2009).

Using this process, new technology components and systems are brought to maturity through a series of hardware gateways from concepting, validation and prototyping units which are sufficiently robust to be deployed on projects. After three years of successful operations, the technology is declared as ‘mature’ (TRL7).

We supplement TRL with BRL (Business Readiness Level) for Subsea Production System Reliability and Technical Risk Management, 2009).

Key Facts

**Around 2% of annual revenues re-invested in Technology development**

**80+ staff in global team dedicated to technology**

**150 active SBM Offshore patent families**

**2,900m mooring water depth (world record) achieved using our technology**

**35,000t FPSO topside capacity by SBM Offshore Technology**

Today, SBM Offshore’s innovation skills are as sharp as ever, and the company continues to invest heavily in order to create today the technologies which the industry will require tomorrow.

A Global Technology Team

SBM Offshore's technology development activities are decentralized in five global locations.

A Pedigree of Innovation

SBM Offshore's technology strategy is based on the clients’ needs and vision. We believe that the oceans will provide the world with safe, sustainable and affordable energy for generations to come. Our strong track record in reliable ocean-based energy production is based on our 45-year history of innovation. Today, SBM Offshore continues to optimize, transform and grow our business through technology by optimizing our solutions for an evolving industry. We apply our pioneering FastWard™ programme to our next generation products, giving better performance, delivered faster.