MALAKAI – MAKING DEEP-WATER HISTORY IN MALAYSIA

Technology

Deepwater Drilling:

The MALAKAI Project is an example of a major deepwater development in Malaysia. The project, developed by the national oil company Petronas, is a prime example of the country’s commitment to exploiting its deepwater resources. The project involves the installation of a deepwater oil and gas production platform named the B-12001 platform. The platform is located in the South China Sea, approximately 140 km off the coast of Penang Island.

The B-12001 platform is equipped with state-of-the-art technology to enable efficient production of oil and gas from deepwater reservoirs. The platform is designed to accommodate a large number of wells, each with its own riser and flowline system, allowing for a high degree of well control and reservoir management. The platform’s operations are supported by a robust infrastructure, including a central processing facility and a subsea production system.

Environmental and Societal

The MALAKAI Project is designed to meet the highest environmental and safety standards. The company has implemented a comprehensive set of measures to minimize the impact of its operations on the environment and to ensure the safety of its personnel and the local community. These measures include the installation of advanced monitoring systems to track environmental parameters, strict adherence to safety protocols, and the development of contingency plans to address potential incidents.

The project is also committed to contributing to the local economy. Petronas has implemented a number of initiatives to support local businesses and workers, including the establishment of a training center for technicians and engineers, as well as the provision of job opportunities for local residents.

Project milestone

Anchored to the Northern section of the platform (top), the MALAKAI Project has reached a significant milestone with the successful installation of the subsea production system. The subsea production system is a critical component of the project, as it enables the collection and transmission of oil and gas from the reservoirs to the surface facilities.

The installation of the subsea production system is a testament to the company’s technical capabilities and its commitment to efficiently exploiting deepwater resources. The project is expected to contribute significantly to the country’s oil and gas production, while also showcasing its leadership in deepwater exploration and production technology.

Bea Dock

© 2020 Shell Global Solutions International B.V. All rights reserved.