Safely Walk to Work in harsh weather conditions in the Asia Pacific region

Monsoon season is inevitable in Southeast Asia and consequently can prevent offshore projects from fulfilling their targets. Timas Suplindo, the offshore marine contractor hired for this project - and Ampelmann's client, was expected to complete hookup and commissioning amid the peak of monsoon season in the Natuna Sea in Indonesia.

A motion compensated gangway supplier that could handle the harsh weather conditions during the project time and ensure safe transfers between the WHP and the vessel was crucial for Timas and their client. An Ampelmann A-type system was mobilised on the vessel ENA Habitat to transfer personnel from the vessel onto the WHP on a 24/7 basis. The company's flagship system can operate in rough weather conditions and work in sea states of up to 3m H_S.

Client
PT. Timas Suplindo

Region
Asia Pacific

Sector
Oil & Gas

AMPELMANN

Challenges

1. Transferring the needed personnel in rough weather conditions
Due to the weather constraints, the use of other access solutions that could safely transfer 20-30 pax per shift was limited. To reach their desired deadline, our client needed an offshore access solution that could not only transfer their desired number of personnel but also withstand the rough weather conditions faced in the Natuna Sea.

2. Finding the right gangway that could maintain footprint and extend weather windows
A cause for concern was whether a conventional gangway could be mobilised on a vessel and still be as close as possible to the platform despite the rough weather conditions in the Natuna Sea.

3. A safe and reliable system to transfer crew to and from the accommodation vessel
Timas was looking for a safe and reliable system to transfer personnel to and from the accommodation vessel. Other personnel transfer options and conventional gangways were not an option due to the weather limitations.

Solutions

1. Transferring the needed personnel in the time window allotted
Ampelmann provided the window necessary to enable personnel transfers to and from the platform, which would have been impossible with any other means of offshore access. This resulted in a total of 11,802 transfers with an average of 11 seconds/pax.

2. Ampelmann A-type system was mobilised to enable this project
The Ampelmann gangway assisted Timas Suplindo in making work accessible in Natuna's rough sea. The workability of this project was 83%, resulting in the completion of the project within the desired timeline.

3. Safe, reliable and efficient transfer of personnel to and from the job
With Ampelmann onboard the accommodation vessel, personnel were able to transfer to and from the platform within minutes. This gave Timas confidence that they could have their personnel back onboard within minutes in case of bad weather.

Results

The setup of this project made it possible for the client to achieve their goals without delay even though the rainy season was picking up towards the end of December. The Walk to Work (W2W) system onboard the accommodation vessel ensured that offshore workers could safely access the WHP when necessary, even in challenging sea conditions. As a result, they completed their goal in a timely and safe manner and were able to have the first onstream of gas by December 2022 as scheduled.

Key stats

11,802
transfers of personnel with
555
landings

11
seconds/pax
transfer speed

73
project days

83%
workability

About Ampelmann
Ampelmann is the leading offshore access provider that delivers safe and efficient access solutions to the global offshore energy sector. Ampelmann's diverse portfolio of modular and energy efficient gangways is tailored to meet every local and global demand, providing reliable and consistent access to offshore installations in a variety of sea states and weather conditions. The company is a key global player with strong local presences in Europe, Africa, Asia Pacific and the Americas.