

Press Release

First equipment delivered for Petronas/Sarawak Shell Berhad B11 Platform

In January 2003 Twister BV became the first company to supply equipment for the Petronas/Sarawak Shell Berhad B11 P-A offshore development project by delivering (12) Twister tubes and (2) LTX vessels on schedule to the Sime Sembawang Engineering yard in Johor Baru.

These materials are part of the 600 MMscfd Twister dehydration system which is being installed on the B11 P-A platform to dry the gas being supplied to the Malaysian LNG plant at Bintulu in Sarawak, East Malaysia.

The Twister tubes were manufactured in the Netherlands with Inconel 625 internals to resist the potentially corrosive action of the high CO₂ & H₂S content of the processed gas. Each tube is designed to efficiently dehydrate 60 MMscfd of non-associated gas at supersonic velocities, without the use of chemicals. The proprietary Twister concept has no moving parts, no environmentally unfriendly emissions, supports unmanned operation and allows near instant start up.

This image shows a typical layout developed for an offshore application. Up to six compact Twister tubes, each with a capacity of up to some 3 million Sm³/d (105 MMscfd), can be mounted in a vertical position on a vertical liquid de-gassing vessel.



The LTX vessels are multi-phase low temperature separators which have been manufactured by KNM in Malacca under sub-contract from Twister BV. The vessels are clad in Inconel 625 and each one measures 3.5 metres in length and 1.7 metres in diameter, weighing 18,000 kgs. The vessels have been manufactured in accordance with a proprietary (patented) Twister BV design which efficiently separates gas, water and condensate whilst managing hydrate formation without the use of chemicals.

The Petronas/Sarawak Shell Berhad B11 P-A project will be the first offshore commercial application of Twister technology, clearly demonstrating Shell's commitment to developing and implementing new innovative and environmentally friendly products.

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Twister BV is a company of Shell (40%), Beacon (40%) and 3i (20%)