

BPP-TECH's proven experience and capabilities made them an ideal partner in the development of the Puffin Oilfield in the Vulcan sub-basin of the Southern Timor Sea, offshore Australia.

The Puffin Oilfield, in the Vulcan sub-basin of the Southern Timor Sea, is owned by AED Oil and was their first field development. The field lies in approximately 90 metres of water and has been developed using an FPSO designed with a disconnectable internal turret mooring system with risers suspended from the turret and supported by buoyancy modules.

BPP-TECH's proven track record in providing technical support for project engineering, manufacturing inspection, packing and loadout activities for flexible pipe and umbilical manufacture made them an ideal partner for AED Oil



and AGR Asia Pacific (formerly Upstream Petroleum) on the Puffin Phase 1a Project.

BPP-TECH was appointed as the AED/AGR representative overseeing engineering and manufacture at NKT Flexibles, in Denmark, who had been awarded the contract for the supply of flexible pipes. Their scope included a total of eight flexible pipes consisting of production risers, flowlines and jumpers. Manufacture took place over a period of about six months during which time BPP-TECH representatives were present at key stages of manufacture.

BPP-TECH's involvement included engineering and manufacturing inspection support, ensuring that the flexible pipes were produced in line with project specification and quality requirements.

BPP-TECH also oversaw the manufacture of the umbilicals on behalf of AED/AGR. Control umbilicals were obtained from Marine Production Systems do Brasil (Oceanering Multiflex), in Niterói, Rio de Janeiro, Brazil, and JDR Cables, near Ely, Cambridgeshire, UK. The Brazilian umbilical was shipped direct from Rio to Singapore.

Due to the fast track programme and critical project schedule constraints, the JDR umbilicals were air freighted directly to Singapore on purpose built horizontal reels designed specifically to meet air freight cargo hold size requirements.



BPP-TECH was also appointed as the project representative to oversee all project loadouts in Europe; Rotterdam (Vryhof anchors and Bridon ropes); Uddevalla (Ramnäs Bruk mooring chains); Kalundborg (NKT flexible pipes); and Langesund (APL buoy). One of the key responsibilities during the entire loadout phase was to ensure that all parties involved were suitably prepared and that no damage occurred to the equipment.

The equipment loadout was a complete success with all the equipment safely transferred onboard a dedicated cargo vessel for transfer to Singapore for installation mobilisation.

BPP-TECH was further engaged to provide mobilisation support in Singapore – preparing all the flexible pipes and umbilicals for installation on board Havila Harmony, the installation support vessel.