

Visbreaker Units for Mangalore Refinery & Petrochemicals Limited, Mangalore, India

Mangalore Refinery & Petrochemicals Limited (MRPL) is amongst India's major oil refining companies located at Mangalore on the western coast in the south of India, with a refining capacity of 9.7 MMTPA. A subsidiary of Oil & Natural Gas Corporation (ONGC) of India, MRPL processes crude oil in its primary and secondary processing units, whilst further improving quality of its products through its treating units.

Uhde was selected to carry out EPCM project implementation for the 1st phase of their secondary residue processing Visbreaker unit. The Basic engineering for this 2,300 tpd Visbreaker unit was provided by ABB Lummus (now CB&I Lummus) based on the Shell Soaker technology, which involves thermal cracking of the crude in a 'soaker drum' at relatively lower temperatures and longer durations to reduce its viscosity and produce LPG and gasoline. The technology is known for its low investment cost, lower power consumption and fuel savings, making it one of the better revamp options for refiners. Impressed by the excellent project management & engineering during the 1st phase, Uhde was again selected for the second Visbreaker unit during the subsequent refinery expansion phase. Tie-in with existing unit and interface work was an added scope during the 2nd phase. Uhde's role for both the phases involved detailed engineering including procurement and project management services.



Uhde



ThyssenKrupp