

# Double Contract for Total Indonesia

Metocean Services International Pty Ltd (MSI) has secured two contracts for Total Indonesia (Total) through its Indonesia partners, PT Pageo Utama (Pageo). The first project is a 12 month Metocean campaign offshore of Mahakam Delta, to the north of Balikpapan, in the Makassar Strait where waves, directional currents, water depths, water levels, sea temperature and conductivity will be measured at 5 locations over the course of the year.

Meteorological data will also be observed at a shore station established at Pageo's base in

Handil. The data collected will provide Total Indonesia with a reliable metocean database with which to calibrate numerical models and in the derivation of accurate and consistent metocean design criteria for extreme and fatigue studies, which may be carried out during Total's future engineering development. The data will also be used to facilitate safe marine operations at and near the observation locations.

The second project is the provision of real-time current measurements to support a drilling campaign offshore North Lombok. MSI will install a TRDI 75kHz acoustic Doppler current profiler to measure multi layer currents in 600m of water whilst the rig is drilling a single well. As well as being archived for future use, the data observed will also be displayed on MSI's in-house software, to assist the drilling engineers during the drilling and Remotely Operated Vehicle (ROV) operations.

The rig is due to arrive at location in March 2008 but prior to this, the rigs anchors will be pre-laid. Due to the lack of quality data for this location, once the first anchor is deployed, MSI will deploy the current profiler from a vessel moored to the anchor buoy to gather as much data prior to the rigs arrival. This is planned to be conducted in early February with the system being transferred to the rig on its arrival in the field.