

Time-saving Acoustic Metrology Completed

Fugro Chance, USA, recently performed non-typical acoustic metrologies on four proposed jumpers in the Gulf of Mexico. By industry standards the measurements were completed in a substantially short time frame. A typical metrology takes approximately 12 hours for one measurement, resulting in an anticipated operational time of around 48 hours in total. However, these non-typical acoustic metrologies were completed with accurate results in just 33 hours.

Two standard Sonardyne Compatt 6 transponders and two Sonardyne Lodestar GyroCompatts (LGCs) were used to acquire tilt magnitude and direction from manifold pressure caps to wellhead casings. Four Compatts were used to ensure repeatable results. The LGC technology integrates acoustic positioning, attitude and heading reference, and sound velocity technologies all in one instrument. It provides wireless updates and extremely accurate measurements of attitude, heading, heave, surge, sway, pressure and acoustic positioning of any subsea object. By utilising these LGCs, Fugro saved the client both time and money while providing highly accurate data.

<https://www.hydro-international.com/content/news/time-saving-acoustic-metrology-completed>
