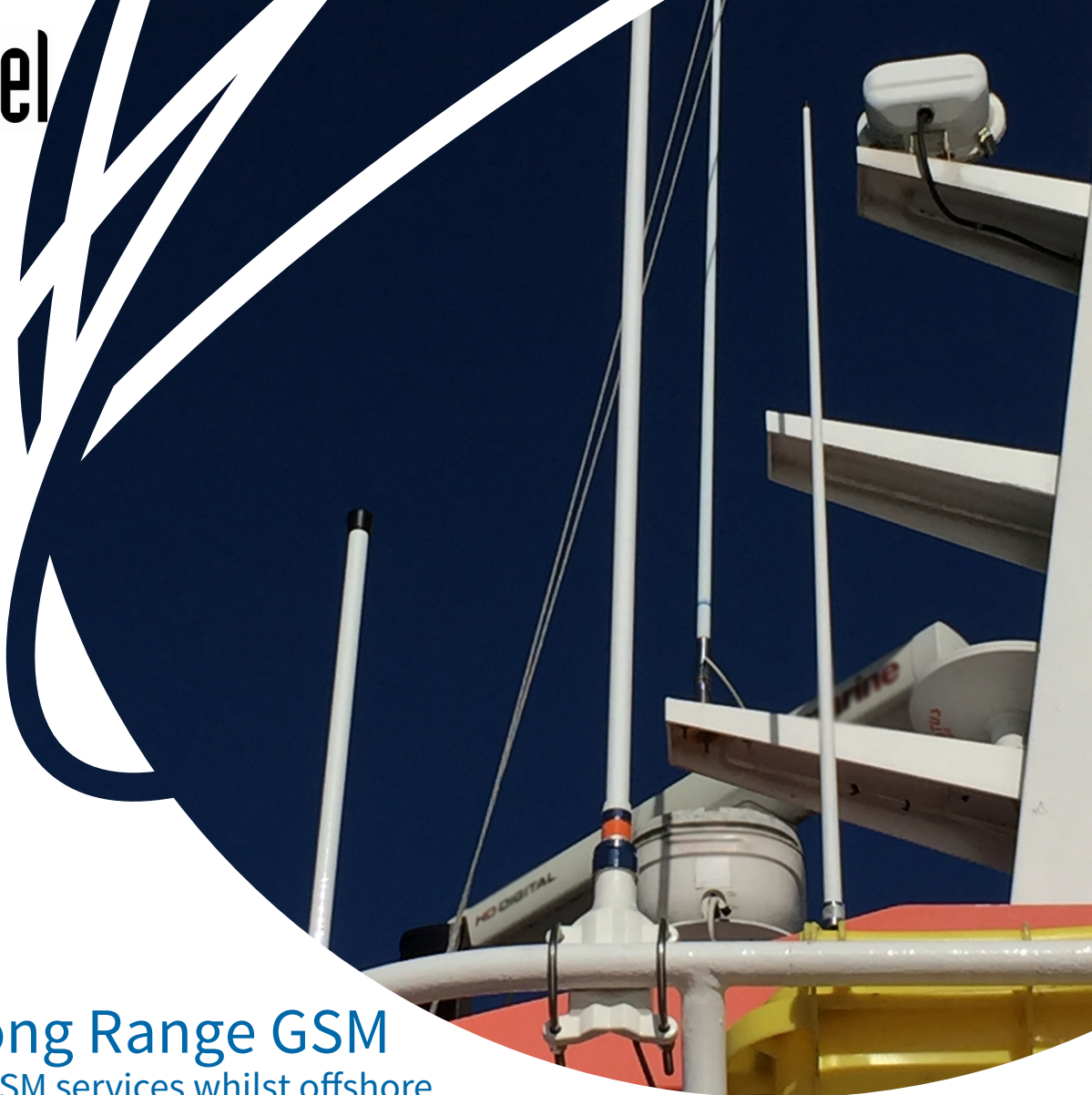




Hansael Long Range GSM

Extend useable GSM services whilst offshore

Hansael Long Range GSM offers an extended range GSM service as an alternative to near-shore satellite communications.

The ability to receive and use fast data GSM services on a day-to-day basis, from anywhere, has presented a problem for the maritime industry, with limitations on offshore reach.

Satellite communications can be used when GSM signals become unstable or lost completely, but offer limited data speeds.

Hansael Long Range GSM is an on-board device that increases the range and quality of GSM services offshore, with the added ability to switch over to a satellite connection should the need arise.

The specially selected antennas, combined with developed dual antenna module, allows customers to access their selected service provider whilst at sea, providing the best service at the longest range- with coverage ranging up to 60 nautical miles.

The solution works across all global mobile GSM service frequencies, meaning customers are not limited to a particular mobile network provider.

Hansael Long Range GSM has the ability to failover to other available networks such as VSAT, Wi-Fi, Fleet BroadBand, Iridium or OpenPort, giving added resilient communication capability on-board.

Switching can be enabled in various ways, using system's capabilities or external equipment.

The high quality parts used and developed by Hansael SIA for the **Hansael Long Range GSM** solution mean the amount of data loss is kept to a minimum and a stable connection held for an increased range when further offshore.

The dual antenna module, specialist cable and connectors used provide the strongest possible signal and throughput, allowing a compelling, cost reducing, commercial solution.

