



# Iridium® Global Maritime Distress & Safety System (GMDSS)

**FACT SHEET**

*Bringing Real Choice and Truly Global Coverage to Maritime Safety*

Iridium is bringing reliable, truly global GMDSS services to the market for the first time ever, giving mariners real choice and making critical safety services available anywhere on the globe. Iridium provides capability, coverage, and cost advantages over competitive options. With Iridium GMDSS, mariners can sail with confidence.

## The Iridium Advantage

- ▶ **Capability:** All Iridium Connected® GMDSS terminals come standard with functionality for all three satellite GMDSS services: Distress Alert, Safety Voice, and Maritime Safety Information (MSI). Unlike the historic competitive options, Iridium Connected GMDSS terminals initiate both Distress Alert and Safety Voice simply and quickly with the press of just one button. The terminals are also equipped with LRIT and SSAS functionality for enhanced security.
- ▶ **Coverage:** The Iridium network is designed to work in extreme conditions at sea. Our unique constellation connects 66 cross-linked satellites in Low-Earth Orbit, providing reliable coverage even in adverse weather around the entire globe, including over the Arctic and Antarctic waters in Sea Area A4. This area is considered among the most dangerous places on Earth, but was not served by competitive satellite GMDSS solutions.

- ▶ **Cost:** The Iridium Connected GMDSS terminal developed by Lars Thrane (LT-3100S) supplies all three satellite GMDSS services at a lower cost than competitive equipment required to do the same. Providing GMDSS at a reduced, more affordable cost allows more vessels to install GMDSS terminals and access life-saving services.



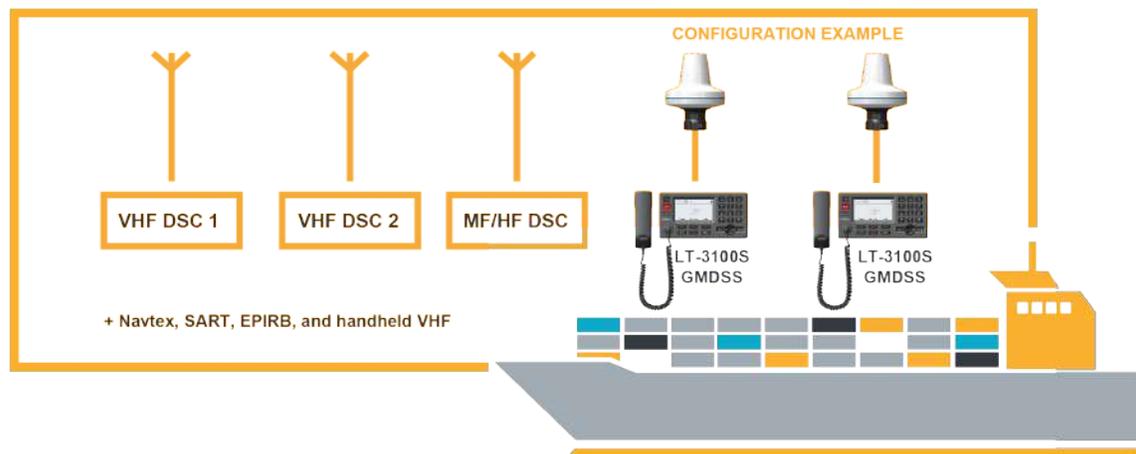
Lars Thrane LT-3100S

## Iridium GMDSS Services

Distress Alert	Safety Voice
<p>Activated by the press of a button, distress alerting sends basic, but critical data to a Rescue Coordination Center.</p> <ul style="list-style-type: none"><li>▶ ID</li><li>▶ Status</li><li>▶ Position</li></ul>	<p>Crews can connect to an RCC and other maritime authorities through a phone call over the Iridium network to share additional details about the distress situation.</p> <ul style="list-style-type: none"><li>▶ Priority Calling</li><li>▶ Hydrographic Reporting (Navigational Dangers)</li><li>▶ Medical Advice and Assistance</li></ul>
Maritime Safety Information (MSI)	Other Features
<p>MSI is transmitted through an Enhanced Group Call (EGC) service called Iridium SafetyCast<sup>SM</sup>.</p> <ul style="list-style-type: none"><li>▶ Navigational</li><li>▶ Meteorological</li><li>▶ Safety-Related</li></ul>	<ul style="list-style-type: none"><li>▶ Distress Alert Relay</li><li>▶ Shore-to-Ship Distress Calling</li><li>▶ Maritime Assistance</li><li>▶ Standard Maritime Calling &amp; Messaging</li><li>▶ LRIT</li><li>▶ SSAS</li></ul>

## Equipment

The Iridium Connected<sup>®</sup> GMDSS device developed by Lars Thrane integrates all three satellite GMDSS services and it is the first solution to offer truly global GMDSS services. The product is designed to meet the GMDSS equipment requirements under the SOLAS convention for large cargo ships, but is also applicable for small boats. The Iridium Connected premium solution is the first that allows crews of vessels of all shapes and sizes to feel truly safe at sea.



## Only One Communications Company Connects the Entire Globe

Iridium is a satellite communications company that offers voice and data connectivity anywhere in the world. Powered by a unique constellation of 66 cross-linked Low-Earth Orbit (LEO) satellites, the Iridium<sup>®</sup> network enables global connections between people, organizations, and assets, in real time. Through an expansive partner network of over 500 international technology companies, Iridium is advancing the way companies, organizations, governments, and individuals communicate every day.

[www.iridium.com](http://www.iridium.com)