



Marine seismic equipment eco-friendly development

Challenge:

To raise marine seismic acquisition's productivity while minimizing its environmental footprint

Solution:

Launch of a new streamer, Sentinel[®] RD looking at environmental opportunities from the initial design stage.

Sercel, a worldwide leader in the seismic acquisition industry for over 55 years, takes the environmental impact of its products very seriously. By adopting an eco-friendly strategy from the design stage through to the production and product's end-of life, Sercel is committed to advance seismic industry's environmental stewardship.

Pioneer in true solid streamer technology

Continuously leading the industry in technological advances, Sercel was one of the first companies to develop an oil-free design for its marine seismic equipment. More particularly, Sentinel[®] was the first true solid streamer commonly used by geophysical contractors providing the most advanced data quality while improving the environmental impact of geophysical surveys.

Prior to the introduction of Sercel's Sentinel[®], streamer sections were filled with Isopar fluid, which could be detrimental in the case of oil spills. A typical 3D survey, usually acquired with 10 streamers of 8km long, represented 100,000 liters of oil towed by the vessel. In addition to the potential environmental impacts during the survey, such sections were also causing a recycling challenge for customers, as well as for the company itself.

Launched in 2005, Sentinel[®] was very quickly adopted by all major players in the industry, and is now the system of choice for complex operations including operations in very sensitive area such as the Arctic.

Sentinel RD – A step forward

Following the Sentinel[®] success, Sercel has gone a step forward in minimizing the environmental footprint through a new streamer development. Sentinel[®] RD, announced in June, keeps the same outstanding operational performance and quality of data while featuring a reduced diameter.

The new streamer thus provides a 7% cable drag reduction allowing marine seismic vessels to lessen their fuel consumption during operations. The 15% weight reduction also lowers shipping costs and associated greenhouse gases.

In conjunction with the all-in-one Nautilus[®] streamer acoustics and positioning system, the Sercel marine seismic portfolio significantly reduces in-fill and thereby the overall survey time and energy intensity.



Sentinel® True Solid Streamer

Sercel takes the disposal of all marine products very seriously and adopts waste minimization strategies (reduce, re-use and recycle) that allow to preserve raw materials when a product reaches the end of its life.

There are currently four geographical Sercel locations for the disposal of all marine seismic products; Sercel England (UK), Sercel Inc. (Houston), Sercel Singapore for cables and Sercel SA (Nantes) for electronics. All of these sites actively participate in the recycling of materials through local companies. For more information, please contact: streamer.repair@sercel.com