

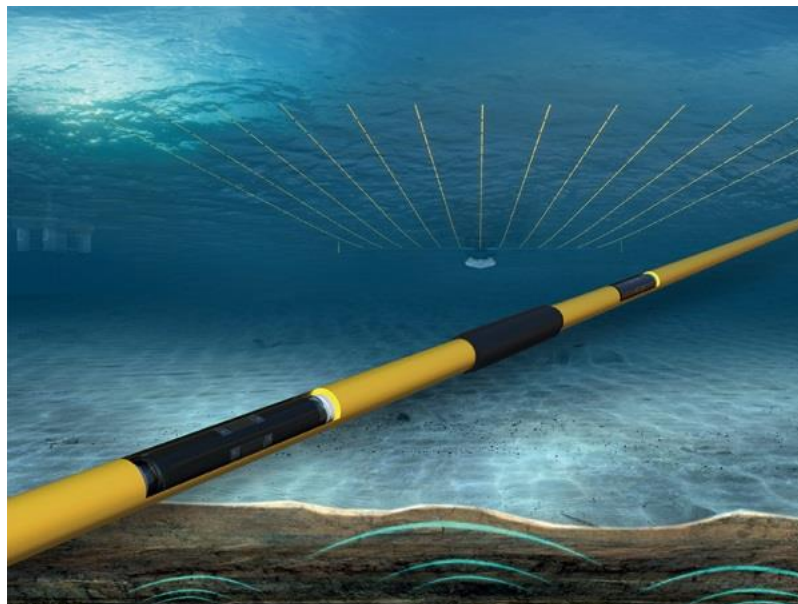
## Sercel Launches Sentinel *HR* High-Resolution Seismic Streamer

*Paris, France – April 4, 2017*

CGG announced today that Sercel has launched **Sentinel<sup>®</sup> HR**, a high-resolution solid streamer designed to meet the specific imaging needs of shallow-target applications, such as oceanology, civil engineering and reservoir characterization, as well as high-resolution 3D (HR3D) seismic surveys for detailed mapping of geological features.

The latest member of the **Sentinel** streamer family has been developed with a close channel separation of 3.125 m to achieve reliable and cost-effective high-resolution surveys. Recent enhancements available in Sercel's new-generation **Seal 428** marine seismic recorder allow a higher channel count, enabling up to 6 km of **Sentinel HR** to be deployed with full data and power redundancy to ensure non-stop acquisition, opening up new possibilities for HR3D survey configurations.

Drawing on the commercial and operational success of the well-established **Sentinel** solid streamer family, which has over 40,000 streamer sections deployed in the field to date, the **Sentinel HR** offers unrivalled reliability. Delivering the best signal-to-noise ratio and high-quality pressure measurements from its hydrophone sensors, the **Sentinel HR** meets the challenges of high-resolution surveys, enabling the detailed imaging of complex subsurface geology.



*The new **Sentinel HR** high-resolution seismic streamer (image courtesy of Sercel).*

The **Sentinel HR** adapts to all types of survey spreads, from comb deployment to larger configurations integrating the **Nautilus**<sup>®</sup> steering system. In addition, the **Sentinel HR** can also provide marine mammal monitoring when combined with **QuietSea**<sup>™</sup>, Sercel's revolutionary Passive Acoustic Monitoring (PAM) system, which is seamlessly integrated into the seismic streamers.

Pascal Rouiller, Sercel CEO, said: "Sercel's **Sentinel HR** is a robust new member of our Sentinel product family that will help to achieve a better understanding of subsurface geology for a broad range of industries. Built on field-proven technology recognized by the global seismic industry, the **Sentinel HR** is a cost-effective and powerful tool for both exploration and field development that will meet the intrinsic requirements of a wide range of specific shallow-target market applications."

#### About CGG:

*CGG ([www.cgg.com](http://www.cgg.com)) is a fully integrated Geoscience company providing leading geological, geophysical and reservoir capabilities to its broad base of customers primarily from the global oil and gas industry. Through its three complementary businesses of Equipment, Acquisition and Geology, Geophysics & Reservoir (GGR), CGG brings value across all aspects of natural resource exploration and exploitation. CGG employs around 5,800 people around the world, all with a Passion for Geoscience and working together to deliver the best solutions to its customers. CGG is listed on the Euronext Paris SA (ISIN: 0013181864) and the New York Stock Exchange (in the form of American Depositary Shares. NYSE: CGG).*

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