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## PRESS RELEASE

### **Apave and Sercel launch AP'Structure, a unique real-time structural monitoring and predictive maintenance solution for the European market**



**Apave and Sercel (a CGG subsidiary) have launched AP'Structure, an innovative SHM (Structural Health Monitoring) solution, that is the only one of its kind available in the European market. With AP'Structure, operators can monitor the integrity of entire buildings and infrastructure in real time, receive warnings about irregularities and prolong the life cycle of the infrastructure. AP'Structure deploys S-lynks, a fully connected and autonomous wireless solution from Sercel for measuring structural vibration.**

AP'Structure has been developed as a result of the partnership between Apave and Sercel, which brings together the strengths of both companies including :

- Sercel's expertise as the world leader in seismic equipment, and the capabilities of its S-lynks solution for continuous structural monitoring. With its embedded ultra-sensitive QuietSeis<sup>®</sup> sensor, S-lynks can measure a structure's ambient noise signature without the requirement to restrict access. This fully connected, wireless system is self-sustaining and can be deployed on all types of structures. The recorded data is then streamed to the cloud for processing and is immediately accessible for remote analysis.
- Expert analysis and interpretation of the recorded monitoring data by Apave's engineers and technicians using proprietary algorithms. This dynamic data is used to understand the behaviour of a structure, monitor its deterioration over time, trigger alerts if anomalies are detected that are not visible to the naked eye, and propose corrective measures.

Emmanuelle Dubu, Sercel CEO, said : "We are very pleased to launch AP'Structure, deploying our S-lynks solution, together with our partner Apave. The aging of infrastructure caused by natural and human phenomena requires real-time monitoring to ascertain and extend the health of these buildings and structures. As the leading specialist in high-accuracy seismic sensors, Sercel is uniquely qualified to deliver solutions that overcome the challenges of predictive structural maintenance."

Philippe Maillard, Apave CEO, said: "With the launch of our AP'Structure solution Apave and Sercel have sealed a strategic and innovative partnership bringing together innovative technology and proven expertise for buildings and infrastructure. AP'Structure will enable operators to monitor the integrity of buildings and structures in real time so that they can anticipate and prioritize maintenance operations



and prolong their life cycle. A concrete response to the strong expectations expressed by both public and private clients. I am delighted that Apave, thanks to this partnership and this unique method, is positioning itself as a benchmark player in this field ".

#### **About Apave**

Apave assists companies and institutions in managing their technical, HR, and environmental risks. An independent organisation with turnover of €881M in 2019, Apave has 12,400 employees, 130 agencies in France, 29 agencies in Spain, 170 training centres in France and abroad, and 34 laboratories and testing centres. Apave is present worldwide in 50 locations. More than 256,000 companies and institutions have already used the services of Apave in France and internationally.

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#### **About Sercel**

Sercel designs and manufactures high-tech solutions for subsurface exploration. Capitalizing on its world-leading position in the seismic acquisition industry, Sercel also provides innovative solutions for structural monitoring, defense and underwater acoustics applications. Headquartered in Nantes (France), Sercel operates worldwide and employs more than 1,500 people. More information about Sercel is available at [www.sercel.com](http://www.sercel.com).

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