Sagem passes mark of 100 HRG space gyros

Paris, February 19, 2013

Sagem (Safran), the European leader in navigation technologies and systems, has just received a new order from Thales Alenia Space for Regys 20 3-axis gyros for space applications. This latest order brings the number of hemispherical resonator gyros (HRG) produced by Sagem to over 100.

The Regys 20 gyro is based on Sagem’s patented HRG technology, a high-performance solution that offers the outstanding reliability demanded in space. HRGs offer the only technology capable of guaranteeing several decades of continuous, failsafe operation in the harsh space environment, where spacecraft are subject to vacuum conditions and ionizing radiation.

Developed with the support of the French and European space agencies, Regys 20 provides attitude control on satellites using the Thales Alenia Space Spacebus 4000 platform. It was also selected for the Alphabus platform jointly developed by Astrium and Thales Alenia Space.

Sagem has more than 60 years of experience in inertial navigation, including 35 years in space. The very successful track record of the Regys 20 gyro clearly shows the development potential of HRG technology in both civil and military applications.

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Sagem, a high-tech company of Safran, holds world or European leadership positions in optronics, avionics, electronics and safety-critical software for both civil and military markets. Sagem is the No. 1 company in Europe and No. 3 worldwide for inertial navigation systems (INS) used in air, land and naval applications. It is also the world leader in helicopter flight controls and the European leader in optronics and tactical UAV systems.

Operating across the globe through the Safran group, Sagem and its subsidiaries employ 7,500 people in Europe, Southeast Asia and North America. Sagem is the commercial name of the company Sagem Défense Sécurité.

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