

Colibrys (Switzerland) Ltd
Maladière 83
2000 Neuchâtel
Switzerland
P +41 32 720 5811
F +41 32 720 5784
www.colibrys.com



Press release

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Colibrys launches MEMS Tilt Sensor featuring micro g bias stability for platform stabilization, down borehole drilling and measurement whilst drilling (MWD) applications.

New accelerometer RS9003 will be presented at Offshore Europe 2009 in Aberdeen, 8th-11th September, 2009 (booth #647 from BFi-OPTILAS).

Colibrys announce today the release of one of the world's highest stability $\pm 3g$ full range accelerometer commercially available, the RS9003.A.

RS9003 is an ideal sensor designed for tilt measurement, measurement whilst drilling, borehole survey and other drilling applications where precision sensing over time in harsh and safety critical environments is demanded (see Colibrys application note: Down borehole & directional drilling). It is also a perfect product for stabilization of large platforms such as radars, antennas, turrets and surveillance cameras.

The sensor features composite bias stability of better than 600 μ g and composite scale factor stability of better than 500ppm. "This level of performance has been so far the domain of precision mechanics and vibrating quartz accelerometers, which are foreseen to be increasingly displaced by Silicon MEMS technology, offering a disruptive change in tilt sensing performance with major benefits in terms of robustness, size and weight, cost and power consumption" highlights Soheil Habibi, Business Development Manager for Colibrys inertial sensors.

He added further; "We aim to displace electromechanical sensors such as the Honeywell QFlex in many of its Military, Aerospace and Energy markets and RS9003 is one of the building blocks in this process".

The RS9003 is interfaced with an open loop electronic and is offered in an LCC20 standard ceramic package (8.9mm x 8.9mm). The small footprint of this sensor helps system designers to realize extremely precise performance in minimum space available.

About Colibrys

Colibrys is a world-leading supplier of standard and semi-custom MEMS based motion sensors to the harsh-environments (Military, Aerospace and Energy) and safety critical (Industrial and Instrumentation) applications. Colibrys family of motion sensors includes extremely low noise, shock resistant seismic sensors, high stability high shock inertial accelerometers and DC coupled capacitive vibration sensors. Colibrys is based in Neuchâtel, Switzerland. Website: www.colibrys.com.

About MEMS Technology

MEMS (Micro-Electrical-Mechanical Systems) are highly miniaturized devices that can realize a number of physical sensing functions including fluidics, optics and mechanics on a silicon chip using techniques similar to traditional integrated circuit process technology. MST (Microsystems) merge these sensing and or actuating functions combining them with electronic signal process chips to create highly miniaturized systems that enable enhanced levels of perception, control and performance.

Contacts

Europe & Asia

Colibrys (Switzerland) Ltd
Mr. Bahram Arabab
European Sales Director
accelero.europe@colibrys.com
P +41 32 720 53 43

USA

Colibrys, Inc.
Mr. Jim Aberson
VP Sales, North America
accelero.us@colibrys.com
P +1 919 946 0355

Business Dev. Manager

Colibrys (Switzerland) Ltd
Mr. Soheil Habibi
BDM, Inertial sensors
soheil.habibi@colibrys.com
P +41 32 720 52 05