

# Less energy for precise positioning

## World's smallest GPS module: 7x7x1.4mm based on SiRF IV chipset

Neu-Isenburg, 30.09.2010 – Smaller, lighter and longer. These are requirements for tracking devices of today. What sound like contradiction can be explained easily: Smaller dimensions, lower weight and longer battery running time.

For such requirements Round Solutions offers the ORG4472 GPS module based on the brand new SiRF IV chipset. Available is a fully automotive and industrial compliant module - with only 7 x 7x 1.4 mm the smallest GPS module of the world.

“This new SiRFstar IV chipset of the module provides higher sensitivity and consumes less power than previous GPS systems”, explains Olaf Schaefer, Technical Director at Round Solutions. “This extends battery life especially for small handheld devices because now passive GPS antennas can be used without losing performance”, he says.

The ORG4472 is mounted by SMT (Surface Mount Technology). There are no costs for RF connectors or cable and no manual work is need in production. Its integrated interface for accelerometers, gyrometers or other sensors makes “Dead Reckoning” easy. Using “Dead Reckoning” tracking can be continued even without sight to satellites, for example in tunnels.

Free access to the test server [www.track4less.com](http://www.track4less.com) and [www.track4free.com](http://www.track4free.com) facilitates the use of geodata.

“With these servers working proof of concepts can be realised within days”, explains Schaefer with reference to features of public-domain software such as OpenStreetMaps and Openlayers.

## About Round Solutions

Round Solutions is a leading, internationally active supplier of products, services and concepts for industrial users of electronic components. The focus lies on wireless technologies such as GSM, UMTS, GPS, Bluetooth, ZigBee, WIFI, UWB and ISM. The product portfolio ranges from development kits to components for mass production. Round Solutions offers a wide range of electronic components such as radio modules, HF cables and ultra-sensitive antennas. Round Solutions currently has the world's largest range of quad-band and penta-band antennas.

Unlike its competitors, integrated antennas and SIM chips are already available in small quantities at Round Solutions. Its stock also includes lithium polymer, lithium-ion and nickel-metal hydride batteries. Moreover, Round Solutions offers a global express delivery service. With the compact and innovative components from Round Solutions, system integrators can develop their solutions quickly, easily and inexpensively. They thus enjoy greater efficiency and a shorter time to market for their applications. The company has branches in Germany and the United Kingdom.

Further information available at: <http://www.roundsolutions.com>

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