

Wristwatch Positioning Device Uses Gemalto's Cinterion M2M Technology to Help Safeguard People with Autism and Alzheimer's Disease

Amsterdam, February 12, 2013 – Gemalto (Euronext NL 0000400653 GTO), the world leader in digital security, announces that its [Cinterion® M2M technology](#) is powering the innovative TRiLOC™ GPS Personal Locator Device (PLD) used to locate people with Autism Spectrum Disorder (ASD), dementia and Alzheimer's disease. The easy-to-wear wristwatch solution uses an ultra-slim Cinterion module to provide 24/7 global cellular communications and Global Positioning System (GPS) tracking. The TRiLOC device helps caregivers locate and safeguard people with special needs while minimizing the need for constant physical supervision. Worldwide there are more than 30 million individuals suffering from autism or Alzheimer's disease and more than 60 million caregivers are looking for solutions to improve their independence and safety¹.

Developed by iLOC Technologies, the TRiLOC PLD integrates Gemalto's Cinterion PHS8 M2M module to provide simultaneous high-speed data and voice communications as well as GPS location data. Gemalto's solution transmits an individual's precise location to the designated caretaker's cell phone or computer while enabling hands-free two-way voice calling when needed. A remote listening feature allows caretakers to detect when immediate help is required, and the wearer has access to an SOS button in case of emergencies. With Bluetooth™ 4.0, the TRiLOC PLD can sync with mHealth devices, smart home appliances and security solutions to send status updates to caregivers. An optional accessory worn by caregivers enables proximity detection and electronic tethering sending immediate text messages and audio alarms if an individual strays too far. In addition, an alert can be sent when the device's lockable strap is tampered with. Gemalto's Cinterion M2M advanced power management technology extends the device's battery life for longer operation before recharging is necessary.

"We created TRiLOC GPS Personal Locator after two years of research and many discussions with care giving associations and parents of children with ASD," said Tony Fama, iLOC President, CEO and father of a son with ASD. "TRiLOC gives my son greater autonomy and reduces the need of constant supervision. With the tethering accessory, families or caregivers can plan trips to museums, shopping centers, and even busy theme parks without the enormous stress of the individual wandering off."

"It is really rewarding to see our technology truly changing the lives of people with special needs, in this case those who are prone to getting lost," said Norbert Muhrer, Senior Vice President of Gemalto M2M. "As a result of our miniaturization efforts we have produced our slimmest module to date, the Cinterion PHS8, which is small and powerful enough to drive this innovative wristwatch. With this solution, Gemalto is again helping to improve the security and convenience of citizens by leveraging the full potential of the wireless and digital worlds around us".

About iLOC Technologies

iLOC Technologies Inc. is a privately held corporation located in Montreal, Canada. Its mission is to provide leading edge, cost effective and innovative personal safety & security products and services that promote end user peace-of-mind.

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About Gemalto

Gemalto (Euronext NL0000400653 GTO) is the world leader in [digital security](#) with 2011 annual revenues of €2 billion and more than 10,000 employees operating out of 74 offices and 14 Research & Development centers, located in 43 countries.

We are at the heart of the rapidly evolving digital society. Billions of people worldwide increasingly want the freedom to communicate, travel, shop, bank, entertain and work – anytime, everywhere – in ways that are enjoyable and safe. Gemalto delivers on their expanding needs for personal mobile services, payment security, authenticated cloud access, identity and privacy protection, eHealthcare and eGovernment efficiency, convenient ticketing and dependable machine-to-machine (M2M) applications.

Gemalto develops secure embedded software and secure products which we design and personalize. Our platforms and services manage these secure products, the confidential data they contain and the trusted end-user services they enable. Our innovations enable our clients to offer trusted and convenient digital services to billions of individuals.

Gemalto thrives with the growing number of people using its solutions to interact with the digital and wireless world.

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