

Connecting objects in the Internet of Things

Sagem Orga solution nominated for SESAMES award

Paris, CARTES & Identification 2009 – Sagem Orga (Safran group) and its partners are presenting a software solution that enables communication between objects in the Internet of Things. This innovation has been nominated for the renowned SESAMES award in the category "Software."

Today, the Internet provides a virtual link between people and places. Tomorrow, it will also connect objects. By equipping things with a Radio Frequency Identification (RFID) tag, it will be possible to link various objects with each other and enable fully-automated machine-to-machine communication. This will revolutionize processes such as those in building services engineering, e-transactions, IT security, fleet management, commerce, logistics and many more.

To enable and facilitate this secure and private form of communication between objects, Sagem Orga is working together with its partners Telecom ParisTech, LIP6 and CNAM in the Agence Nationale de Recherche project "Things to things in the Internet of Things" (T2TIT).

T2TIT defines and standardizes an architecture enabling communication between an application server and many objects. Its global architecture offers a secure way to have RFID tags authenticated by a server while maintaining full privacy. It uses cryptography to secure connections and guarantees anonymity and non-traceability. It uses a new communication protocol called HIP-TAG.

"This software solution can be adapted to any application and is interoperable with any other application using this technology. It can thus act as a global standard, and this will facilitate the deployment of the Internet of Things worldwide," explained Didier Sérodon, Chief Technology Officer at Sagem Orga.

The project T2TIT has been nominated by the CARTES committee for the SESAMES award in the category "Software."

Sagem Orga

Sagem Orga is a global leader in the smart card industry. Its portfolio includes hardware, software, consulting and services, all focused on smart cards for the telecommunications, health, identification and banking sectors. As a subsidiary of Sagem Sécurité (Safran Group), the world's No. 1 in identification, Sagem Orga offers comprehensive integrated solutions designed to secure the digital and mobile community. The company has a workforce of over 2,100 people around the world and production facilities incorporating the latest technology in Germany, Brazil, Russia, Mexico and India.

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