

RFID-Cluster Project – Project acronym: SToP

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Project title: Stop tampering of products

Start date : 01.11.2006
End date : 30.04.2009
Duration : 30 months
of Partners :

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Partners (Industrial, SME, Institutes):

The international research consortium is lead by SAP and comprises Hochschule St. Gallen, Oria Computers, Spacecode, Richemont, Novartis, Airbus, and Bundesdruckerei.

Project objectives:

The project "Stop Tampering of Products" (SToP) aims at providing solutions for the authentication of products based on Radio Frequency Identification (RFID) and related ambient intelligence technologies. The technologies employed must be adequate for the specific environments regarding the structure of products and the environments in which they are produced, stored, transported, and traded. Technical challenges that currently prohibit the use of RFID in many areas are targeted as well as the integration of the verification technologies and processes into enterprise system architectures, such as supply chain management systems. Finally, the overall solution must be economically feasible.

Project description:

The SToP project is an international research consortium lead by SAP and comprises Hochschule St. Gallen, Oria Computers, Spacecode, Richemont, Novartis, Airbus, and Bundesdruckerei. The consortium members provide substantial knowledge in the areas of RFID product integration, product tracking, economical issues of counterfeiting, and enterprise processes. Besides a thorough requirements analysis, the development of a product verification infrastructure, and economic models, extensive trials to evaluate the proposed solutions will be important components of the project.

Field of Application:

A lot of different markets since the markets for counterfeit products are growing worldwide, comprising all industry sectors including textiles, spare parts, pharmaceuticals, and luxury goods.