

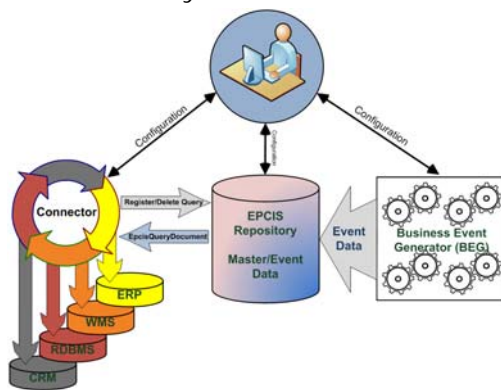
ASPIRE - Advanced Sensors and lightweight Programmable middleware for Innovative Rfid Enterprise applications

Program/Call Reference, Strategic Priority, Grant Agreement Number, Project Type

FP7-ICT-2007-1 - ICT-2007-1.3: ICT in support of the Networked Enterprise
Grant agreement no: 215417, Integrated Project

Project Objectives

ASPIRE is developing the AspireRfid platform (<http://wiki.aspire.ow2.org/>) a lightweight, royalty-free, programmable, privacy friendly, standards-compliant, scalable, integrated and intelligent middleware platform. The characteristics of this middleware platform can be analyzed as follows:



- **Royalty-free:** ASPIRE offers a licensing scheme enabling free use of its RFID developments.
- **Lightweight:** Specific libraries of the middleware, are able to run over low-cost specialized microsystems.
- **Programmable:** The platform provides solution developers and integrators with the opportunity of configuring solutions using

solution templates and tools. The configuration process involves minimal coding/programming.

- **Intelligent:** The platform incorporates intelligence enabling context-analysis and reasoning over numerous sensors observations.
- **Scalable:** The ASPIRE platform will be capable of supporting numerous massively distributed tags, as most likely required in realistic applications for the networked enterprise.
- **Privacy-Friendly:** The ASPIRE middleware will cater for minimalist data generation, which incorporates the principles of data quality, limitation and conservation into the logic itself.
- **Integrated:** The ASPIRE platform will offer a complete integrated environment for specification, development, integration and experimentation.

Project Starting Date and Duration / Total Cost – Total EU Contribution

1/1/2008, 36 months / 6.069.644 € - 4.471.000 €

AIT's Role / Principal Investigator

Technical Manager of the project; Prof. John Soldatos (jsol@ait.edu.gr)

AIT's Main Work Item

RFID Middleware Development, Programmable/Configurable Middleware Research

Main Partners (10 partners in Total)

Partner Name	Role	Funding

1	Aalborg University	Project Coordinator	1.130.940 €
2	AIT	Research, Technology, Technical Manager	654.000 €