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[Home](#) > [Community center](#) >

[How to buy](#) | [Contact](#) | [Site map](#)

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- . Linux Kernel
 - . HPC on Linux
 - . OpenSource software solutions & applications
 - . Enterprise middleware
 - . Open Source Security solutions
 - . European projects
- [ITEA projects](#)

ITEA projects: the European R&D co-operation in software

ITEA (Information Technology for European Advancement) program

Bull was a founding member of the ITEA program in 1998 with other large European manufacturers: Alcatel, Barco, Bosch, Daimler Chrysler, Italtel, Nokia, Philips Electronics, Siemens, Thales and Thomson Multimedia. ITEA's objective is to develop on-board and distributed software to give European manufacturers a real advantage.

The ITEA program defines:

- The technological roadmap of the project;
- The sharing rules of intellectual property rights between the various developers;
- The priority of projects on the basis of call for tenders which makes it possible to obtain development budgets from the various European States.

Geraldine Capdeboscq, Strategy Director of Bull, details Bull's interest for these European R&D co-operations: "*They allow:*

- *To develop, sufficiently quickly and early innovating projects for which it is necessary to call upon the key expertise of other companies and which would not see the light of day otherwise;*
- *To design and contribute to the establishment of European technological standards and to share a strategic vision on the state of the art and evolution with the best players;*
- *To benefit from favourable development conditions, taking into account the support of member governments."*

In 2002, Bull gained the award for the most innovating Open Source project within the PEPiTA framework. The PEPiTA project gave rise to JOnAS and to some Java components enabling security management in a Web environment that Bull Evidian integrated into its AccessMaster offer. In addition, this project contributed to making



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Users' Club



Discover the CUBE,
Bull's user community
(web site in french)

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- [ITEA web site](#)>>
- [Lascot projet \(LArge Scale COllaborative decision support Technology\)](#)>>

European companies and administrations aware of Open Source solutions.

Two other projects, ATHOS (Advanced platforms and Technologies for the Offer of communication Services) and TESI (Trusted European Security Infrastructure), were achieved respectively in September 2002 and June 2003. In its OpenMaster offer, Bull Evidian uses the ATHOS platform, which enables ensuring the quality of services under IP (Internet). From the TESI project, Bull Evidian uses TrustWay, the encryption software to make secure the connection between the workstations and the TrustWay box as well as the central administration of VPN or SSL boxes.

Current ITEA projects

HYADES

- **Launched in April 2002**
- **Objective:** High Level System RT Application Development Environment for SMP & Clusters. Extending the use of standard technology to applications that require real-time response, associated with heavy, parallel computation, signal processing, etc., for the following sectors: telecom, aviation, automotive, finance, scientific, design.
- **Partners:** France (Bull, CEA, MandrakeSoft, Thales), Italy (ENEA, Ingegneria dei Sistemi), LIFL, PointerCom, Quadrics.
- **Bull's role:** to leverage Intel's Itanium® 2 technology with Linux 64-bit on SMP servers for real-time applications and clusters.
- **Deliverable in April 2004**

OSMOSE (Open Source Middleware for Open Systems in Europe)

- **Launched in January 2003**
- **Objective:** Develop and enhance a comprehensive set of open source components (built on ObjectWeb software).
- **Partners:** numerous, among which: Bull, France Telecom, INRIA, Philips, Telefonica, Universidad Politecnica de Madrid, etc.
- **Bull's role:** Develop a new version of JOnAS (V4), based on the J2EE 1.4 specification, integrating different ObjectWeb and Apache components.
- **Deliverable in June 2005**
- More about OSMOSE project >>

LASCOT (LArge Scale COllaborative decision support Technology)

- **Launched in April 2003.**
- **Objective:** Develop a middleware platform to help decision making in a crisis, targeting large industrials or public services managing risks.
- **Partners:** France (Bull, Thales TRT), Germany (Empolis, TU Chemnitz, Hildesheim University, Bertelsman Foundation), Belgium (VUB, Capvidia, XT-i), Israel (ETE).
- **Bull's role:** Co-ordination and project management, integration of all building blocks coming from the project partners, developments of the security aspects.
- **Deliverable:** experimental prototype in July 2005.
- More about LASCOT project>>

SATURN (Security Applications and Technologies for Universal infoRmation Networks)

- **Launched in June 2003.**
- **Objective:** Protect the network against Internet intrusions with security applications and technologies.
- **Partners:** Bull, EADS, Ibermatica, ILOG, Italtel, Schneider, etc.
- **Bull's role:** Develop the security components (on-board software, secure operating system, etc.) for the TrustWay offer.
- **Deliverable in June 2005.**

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