



## **BEinGRID Applies Grid Technologies to Medicine, Finance and Advanced Manufacturing**

*Brussels, June 11, 2009 – BEinGRID, Business Experiments in GRID, has been successfully conducting real-world experiments targeting industry and research organisations to provide, use and validate Grid technologies to meet business challenges. This week, innovative Grid solutions applied to the medical, financial and advanced manufacturing sectors were promoted at the Internet of Services 2009 Collaboration Meeting organised by the European Commission in Brussels.*

### **BEinEIMRT in Medicine**

Cancer is Europe's second largest killer. One of the most common and effective treatments is external radiotherapy, where a Linear Accelerator (Linac) attacks the cancerous tissue with radiation delivered from several different directions. The treatment plan – the direction, size and length of dosages – has to be carefully calculated to avoid damaging healthy tissue. These calculations can take a long time – speeding up this process would allow earlier treatment and more patients to be treated. The BEinEIMRT Business Experiment of BEinGRID has developed a solution based on Grid technology and services which helps hospitals plan the best possible treatment for each patient. These improve the efficiency and effectiveness of planned treatments as well as reducing the overall cost of treatment planning.

BEinEIMRT offers radiotherapists a set of algorithms to optimize and validate radiotherapy treatments, hiding the complexity of the underlying infrastructure

"BEinEIMRT will provide us additional information that will allow us to improve radiotherapy treatments' quality at an affordable cost" says Miguel Pombar Cameán, Medical Physics Department Manager, Santiago de Compostela University Clinical Hospital in Spain.

### **GRID2(B2B) and Advanced Manufacturing**

In BEinGRID, the GRID2(B2B) Business Experiment provides an efficient, open, reliable and affordable integration architecture allowing companies, especially SMEs, to join existing B2B platforms without changing their legacy information system. The innovation is based on the new OGSA-DAI Trigger functionality, which allows automated and selective data replication across heterogeneous databases.

According to Elio Roversi, Supplier Planning Manager at Ducati Motor, a partner of this BEinGRID project pilot, "In our B2B platform, only interacting with most suppliers via browser is like having a very powerful car that can only run 30km/hour fast. Thanks to the GRID2(B2B) project results, we finally see how to push our car at the very high speed we need."





BUSINESS EXPERIMENTS IN GRID

## AMONG for Finance

Much debate, various action plans and several concrete developments have taken place at EU level for fighting the international problem of money laundering (ML). The structural changes affecting financial systems during the past few years have had an impact on how banks tackle the challenges of anti-money laundering (AML). However current AML products prove to be inefficient as these operate in isolated banking environments and provide no collaboration between banks.

The AMONG Business Experiment from BEinGRID enables banks to cooperate with each other so as to provide a holistic and automated AML capability, using Grid technology. Grids support the provision of AML services in a cost-efficient, effective, secure and trustful way, so as to monitor suspicious customers across various financial institutions, providing this way a solution that will surpass contemporary isolated AML procedures.

## ... and Gridipedia Helping Applying Grid Technologies to Businesses

Gridipedia provides businesses with a repository of Grid software components and solutions designed to meet common business requirements.

In addition it is also a useful source of information on design patterns for solutions to common Grid problems, proven use cases on companies that are applying Grid solutions in industry and the legal issues that relate to Grid computing.

Interested in applying Grid technologies to business? Then it's well worth bookmarking [www.gridipedia.eu](http://www.gridipedia.eu).

## About BEinGRID

Type of project:	Integrated Project
Project coordinator:	Santi Ristol, ATOS ORIGIN
Project start date:	June 1, 2006
Duration:	42 months
Budget:	24.8 million Euros
EC contribution:	15.7 million Euros

Further information on BEinGRID can be found at [www.beingrid.eu](http://www.beingrid.eu) and [www.gridipedia.eu](http://www.gridipedia.eu)

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