

## PRESS RELEASE

Amsterdam, October 15, 2012

### **TIE is technology provider in European Union Project “ARUM” and receives funding amounting to EUR 964k**

TIE reports that as of September 1, 2012 it joined the ARUM research project. ARUM is a three year project with a budget amounting to EUR 11.6M. Funds are from the European Commission to technology partners, industrial users and research institutions.

ARUM (ADAPTIVE PRODUCTION MANAGEMENT) aims to improve planning and control systems for the manufacturing of complex, small-lot products, such as aircraft, aircraft interiors, and ships. The project started in September and will last for 36 months involving 14 partners including Technology Providers (TIE, Certicon, Smart Solutions, Almende, P3 ingenieurs), Research Organizations (Collogne University of Applied Sciences, University of Manchester, Instituto Politécnico de Bragança, Athens Institute of Communication and Computer science, Czech Technical University of Prague) and User Organizations (EADS, Airbus and Modular Galley Systems) all led by managing partner the EADS.

ARUM has been established to help resolve the challenge addressing the following objectives:

- Decreasing risks for product immaturity and production disruptions
- Facilitating the manufacture of complex and highly customized products for small production series
- ICT improvements for controlled manufacturing systems and planning & control
- Increasing the integration of engineering to production and enterprise ICT to shop floor automation

*“The permanent rising of sophisticated costumer demands in different domains justifies small lot production”, says Arnd Schirrmann, Project Coordinator and EADs Research lead in this field. “Many companies suffer from a lack of agility to respond to requests for change. Key requirements of modern manufacturing include support of complexity and variety of products, scalability, integrated control of factory assets, factory and workshop level optimization of production, cost effective interoperation of information across legacy systems (ERP, MES, SCADA, DCS), and flexible, fast, service-oriented models, integrating networks. EADs believes that ARUM through its novel techniques and unique partnership can answer this challenge and is pleased that TIE accepted the invitation to be a partner.”*

Stuart Campbell, CTO of TIE, states *“TIE’s role is to support the information exchange and process flow elements of the project and for which it leads tasks on systems interoperation and the establishment of an integration testbed. The integration will be founded on TIEs cutting edge SmartBridge product for integration utilizing advanced service, workflow and messaging technologies. In addition TIE will lead ARUMs dissemination activities”*. TIE will receive research funding amounting to EUR 964K.

Jan Sundelin, CEO of TIE, says: *“EU projects help us to stay innovative with respect to our Total Integrated E-Commerce Solution and be a pioneer in facilitating our customers to stay ahead in the fast developing web based solutions. Already our SmartBridge Technology is servicing the classical volume supply chains such as in retail or DIY. But the same techniques and tools sets are just as valuable in factory interoperability. Therefore TIE is placing emphasis in various ‘Factory-of-the-Future’ initiatives such as ARUM and also on projects like ADVENTURE and PREMANUS.”*

#### **About ARUM**

ARUM (ADAPTIVE PRODUCTION MANAGEMENT - [www.arum-project.eu](http://www.arum-project.eu)) aims to improve planning and control systems for the manufacturing of complex, small-lot products, such as aircraft, aircraft

interiors, and ship. It will do this through decreasing risks for product immaturity and production disruptions, facilitating the manufacture of complex and highly customized products for small production series, ICT improvements for controlled manufacturing systems and planning & control, and increasing the integration of engineering to production and enterprise ICT to shop floor automation.

## **Profile TIE**

TIE Kinetix transforms the digital supply chain by providing Total Integrated E-commerce solutions. These solutions maximize revenue opportunities by minimizing the energy required to market, sell and deliver online. Customers and partners of TIE Kinetix constantly benefit from innovative, field tested, state-of-the-art technologies, which are backed by over 25 years of experience and prestigious awards. TIE Kinetix makes technology to perform, such that customers and partners can focus on their core business.

TIE Kinetix is a public company (NYSE Euronext: TIE Holding), and has offices in the United States, the Netherlands, France, Australia, UK, Germany, Austria and Switzerland.

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