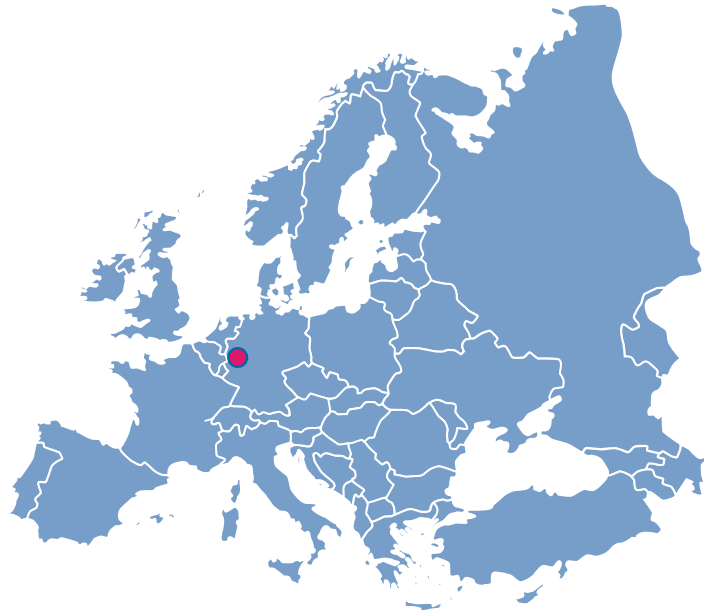

COPS - Complex Event Processing in Supply Chains

Project Idea

Theo Lutz, FIR

Warsaw, September 27 2012

Profile of FIR



Executive director
Prof. Dr. Volker Stich



Scientific director
Prof. Dr. Günther Schuh

Our Business

- Over 40 public funded projects annually
- Over 60 industrial projects annually

Our Topics

Department Service Management

- Service Engineering
- Lean Services
- Community Management
- *Competence Center Maintenance*



Department Information Management

- Information Logistics
- Information Technology Management
- *Competence Center IT-Management*



Department Production Management

- Supply Chain Design
- Order Management
- Logistics Management
- *Competence Center IT-Management*



Challenges and Ojectives

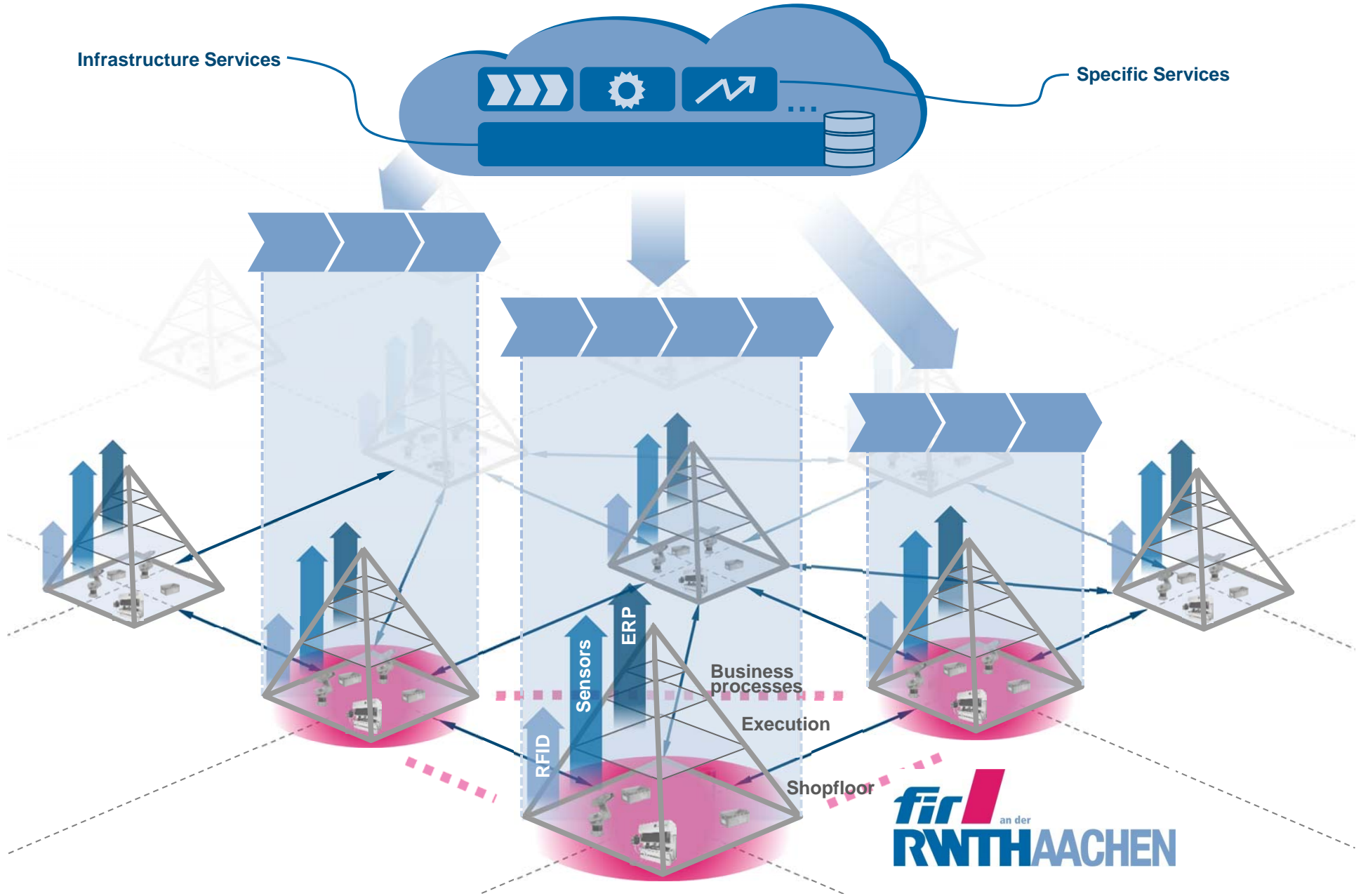
Challenges

- Cooperation between producing companies is essential
- Trust and knowledge on competencies are needed for cooperation
- Networks are rather static, long term oriented
- Partners are hardly exchangeable
- Reconfiguration is expensive

Objective

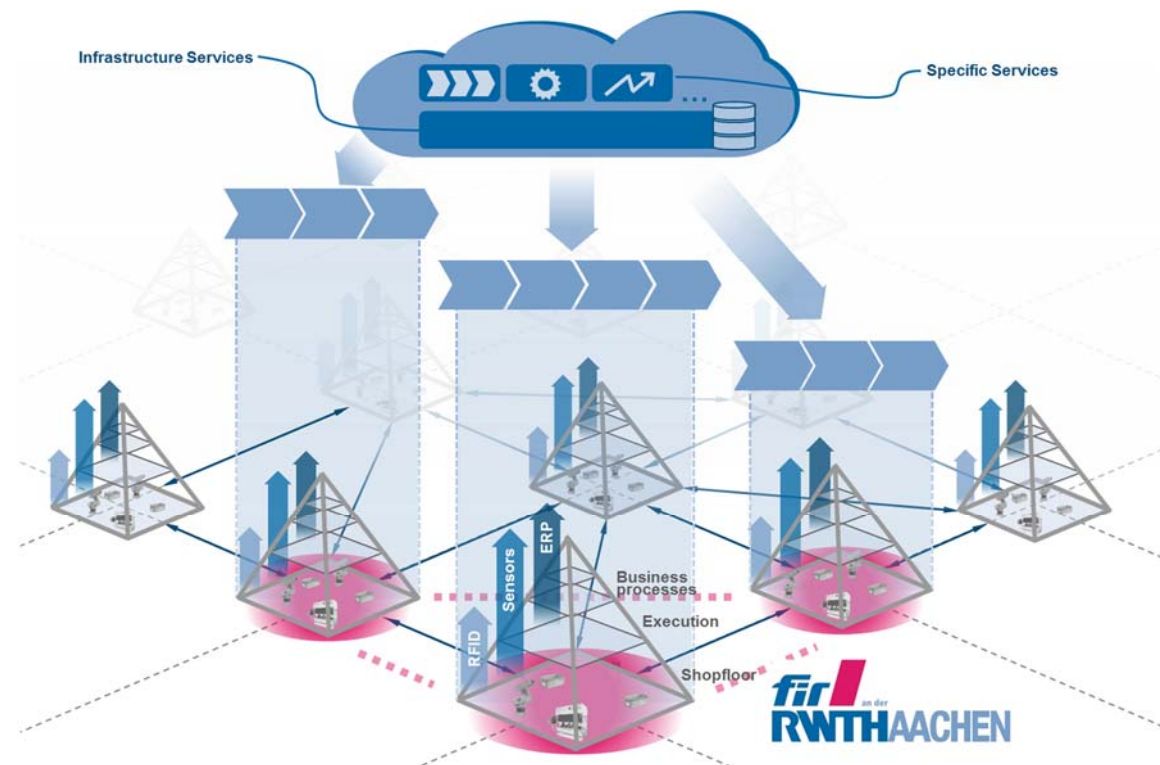
- To enable ad-hoc production networks creating virtual enterprises on a per order basis
- To enable cooperation to fulfill single orders that otherwise could not be processed
- To use sensors, cloud infrastructure, complex event processing, next generation ERP systems and reference models as a foundation

Cloud-based dynamic reconfiguration



Consortium

- FIR
 - Process models
 - Event models
- RWTH Aachen
 - Demonstration factory
- *Provider of ERP systems*
 - Specific services
- *Provider of cloud infrastructure*
 - Infrastructure services
- *Provider of sensor infrastructure*
 - Data collection



Contact: www.fir.rwth-aachen.de

The image shows a business card for 'fir an der RWTH AACHEN'. On the left side, there is a vertical blue bar with the website address 'www.fir.rwth-aachen.de' written in white. The main body of the card is white and contains the following information:

fir  an der
RWTHAACHEN
Pontdriesch 14/16 · 52062 Aachen

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Thank you for your attention.