

Future Factory Initiative

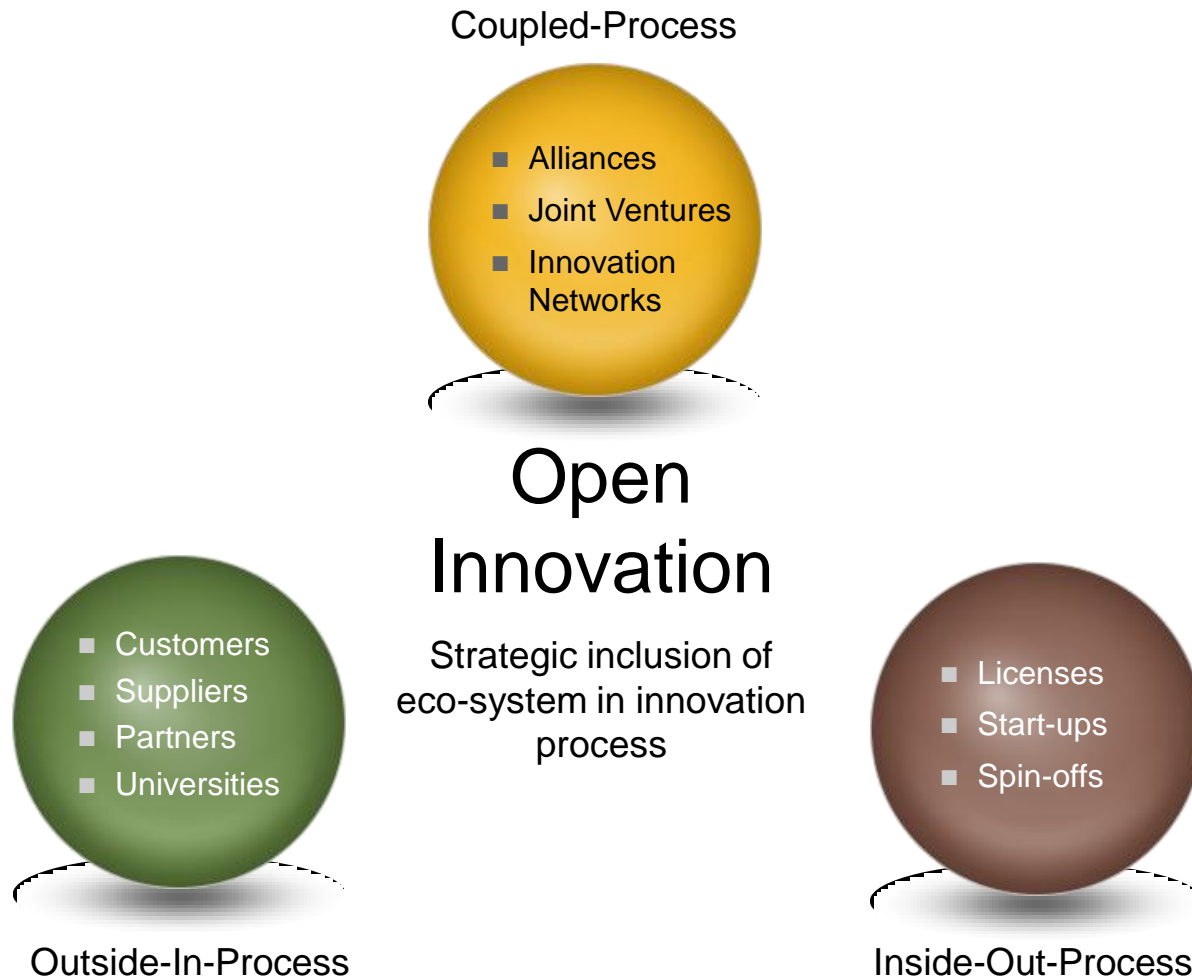


SAP RESEARCH

A BELIEF THAT INNOVATION CAN COME FROM ANYWHERE



Open Innovation¹



[1] O. Gassmann, E. Enkel: "Open Innovation", zfo wissen, 3/2006

Future Factory Initiative

Customer Feedback

II – CURRENT PROBLEM AREAS IN YOUR COMPANY

What are the Top 3 – ‘pain points’ in the production environment of your company?

1) _____

2) _____

3) _____

III – IMPORTANCE OF CERTAIN RESEARCH FIELDS

Please rate the importance of the following research topics for your company.



	1	2	3	4	5	6	
1 Integrated Control Desk for logistics and technical processes (Production Control Center)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Collaboration in manufacturing and logistics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Remote Service management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Quality management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Energy efficient production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 Device integration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Easy to use User interfaces	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8 Intelligent analytic tools for production processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAP Research Document 10G/2010

SAP Research Center Dronkai, Chancellors Str. 41, 01107 Dronkai

4

- Questionnaire for structured feedback
- To understand customer needs
- To align research agenda with customer needs

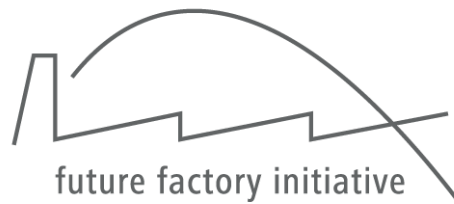
Future Factory Initiative Open Innovation

Living Lab

- Real-world set-up
- Tangible demonstrators
- Short- to mid-term innovation

Eco-System

- Partners from IT- and Automation Industry
- Evaluation and customer pilots
- Mid-term research projects



Future Factory Initiative Partners

Core Partners



Associated Partners



SAP RESEARCH

Future Factory Living Lab Exploration Area



*“If a picture is worth a thousand words,
a prototype is worth ten thousand.”*

IDEO innovation principle

- Prototype exhibition
- 5-7 exploration scenarios
- SAP Business ByDesign
- SAP BusinessObjects Explorer



Future Factory Living Lab Plant Area

“Vision without implementation is hallucination.”

Benjamin Franklin



- Discrete manufacturing process
- 20+ mature scenarios
- SAP ERP, SAP ME, SAP MII, SAP PCo, SAP OER, SAP AII, SAP EWM



Future Manufacturing

STRATEGY EXECUTION LINKAGE

NETWORKED SOLUTIONS

ON DEVICE

INSIGHT

- Monitoring, Analytics, Optimization
- Sustainable and Efficient Production
- Compliance

COLLABORATION

- Multi-Enterprise Collaboration
- Engineering / Manufacturing Loop
- Product-Service-Systems

NEW USERS

- Social Web and Web 2.0
- Mobile Users
- Shop Floor Workers





**Thank
You!**

research.dresden@sap.com



SAP RESEARCH

Future Factory Plant Area

