



Flexible engineering and production in ad-hoc networks

FlexEProNet
Fraunhofer IWU



Project Details

Project coordinator	Fraunhofer IWU, Dr.-Ing. Schlegel
Other applicants	
Sector	Production Planning, Joining Technologies
Call of Interest	<input checked="" type="checkbox"/> CORNET <input type="checkbox"/> EraSME
Proposal summary:	The goal is a knowledge-based IT-platform that allows to match the demands of product owners, engineering service providers and manufacturers via web technologies .
Advantages for SMEs, trade or industry:	The project will contribute to easier collaboration and communication across company borders in engineering projects.
Profile of partners sought:	SME (or OEM) providing the product view SME acting as engineering services provider SME operating manufacturing equipment



Motivation

- ▶ common trends: lower production volumes, higher product diversity
- ➔ Increased **flexibility** of high-tech production

- ▶ products require special engineering and manufacturing competencies not to be found in one company
- ➔ **cooperation** and **communication** in flexible alliances

We want to provide a **knowledge based IT-platform** to:

- ▶ match service providers and manufacturers according to specific product,
- ▶ establish collaboration along value chains,
- ▶ providing IT support for distributed processes and
- ▶ incorporate technologies of social networks/semantic web for business communication, e.g. (micro)blogging, linked data about products, resources and services.

We need:

- ▶ good Use Cases from SME, who are interested in web-IT



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