

FP7 INFORMATION DAYS for Research PPPs on 11+12 July 2011

Template project ideas

Contact person			
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Project information			
PPP <input checked="" type="checkbox"/> Factories of the Future <input type="checkbox"/> Energy-efficient Buildings <input type="checkbox"/> Green Cars			
Topic/Title	KBS IDE for PPC		
Project idea, objectives	<p>The main idea of this project is to develop a methodology and an Integrated Software Development Environment (IDE) to support humans to develop Knowledge Based Systems (KBS) for Production Planning and Control (PPC) applications.</p> <p>The IDE will provide the tools and the mechanisms for the easy development of PPC KBS.</p> <p>Software Engineering & Knowledge Engineering methods will be used, that will facilitate the developers to develop rule-based and/or object-oriented PPC KBS applications. The IDE will support the development of KBS for a wide range of PPC applications, from long-term PPC (e.g. Forecasting, Master Production Scheduling, Capacity Planning, MRP, etc.) up to short-term applications (e.g. Operations Scheduling at Shop Floor level, MES, process optimisation & control, etc.).</p> <p>Also, the IDE will support the user to integrate the KBS applications with existing Industrial software, PPC systems and Production Databases.</p>		
Partner search description			
Type = Company/SME/Research organisation/university			
+ desired skills/knowledge			
Partner 1	- Industries and/or SMEs interested to develop and implement KBS applications for PPC and/or other factory applications (e.g. quality control, process modelling, process control, etc.).		
Partner 2	- Software Houses interested in KBS applications, industrial software, PPC software, ERP software, IDE development, etc.		
Partner 3	<p>- Research Organisations and/or University Departments with relevant research and academic interests concerning:</p> <p>A) Software Engineering, Knowledge Engineering, Knowledge Management, AI methods and tools (e.g. Logic Programming) etc.,</p> <p>B) Production Engineering, Production Planning and Control, MES systems, processes modelling, optimisation & control, etc.</p>		