

## Title: Pathfinder – Intelligent Production Planning and Control turned into practice

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### Objectives:

- To develop an intelligent, knowledge based Production Planning and Execution system, supporting as well process design as production itself, performing better than today's MESs

Business Management

ERP/  
MRP

Production Management  
(Resource Mgt,  
Production Planning,...)

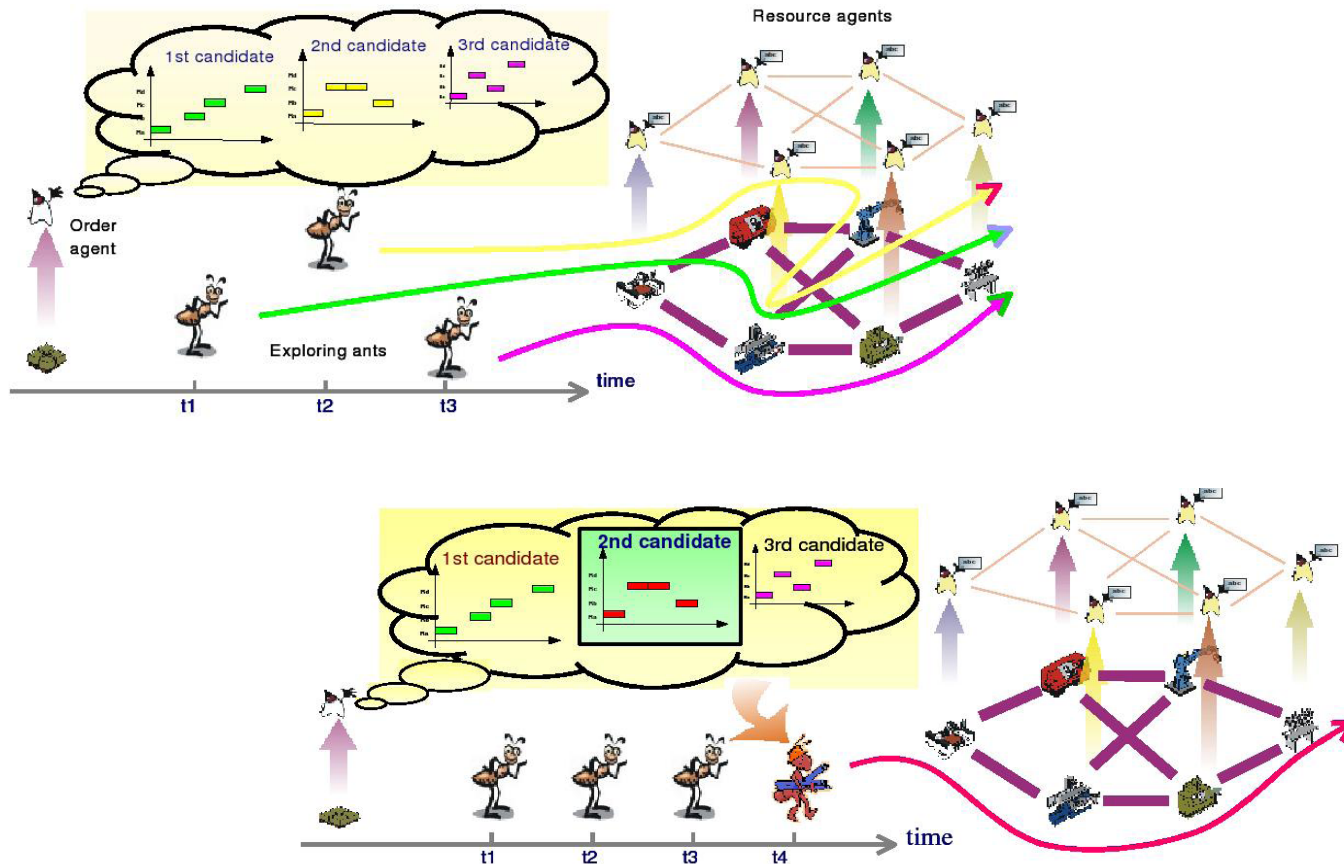
Advanced  
Planning &  
Scheduling

Production  
Control & Automation

PLC/  
SCADA

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## Holonic Manufacturing Execution System (K.U.Leuven)



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### Objectives:

- To develop an intelligent, knowledge based Production Planning and Execution system, supporting as well process design as production itself, performing better than today's MESs
- To complement the HMES base tool with decision algorithms and solutions to deal with variability in production; to develop the necessary resource simulation models
- To implement this extended HMES tool in industrial cases, demonstrator of performance
- IT partner develops commercially available tool

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Known Partners				
S.No	Partner Name	Type	Country	Role in the Project
	Sirris	Research	Belgium	Link to industry – validation /valorisation
	K.U.Leuven	University	Belgium	MES base tool
	Fraunhofer - IPA	Research	Germany	Process simulation
Required Partners				
S.No	Profile	Type	Country	Role in the project
	Research	Univ/resch		Simulation
	SMEs	Company		Use cases
	IT partner	Company		Tool development / commercialisation