

Optimal Product/Process for Composite Manufacturing

Objectives:

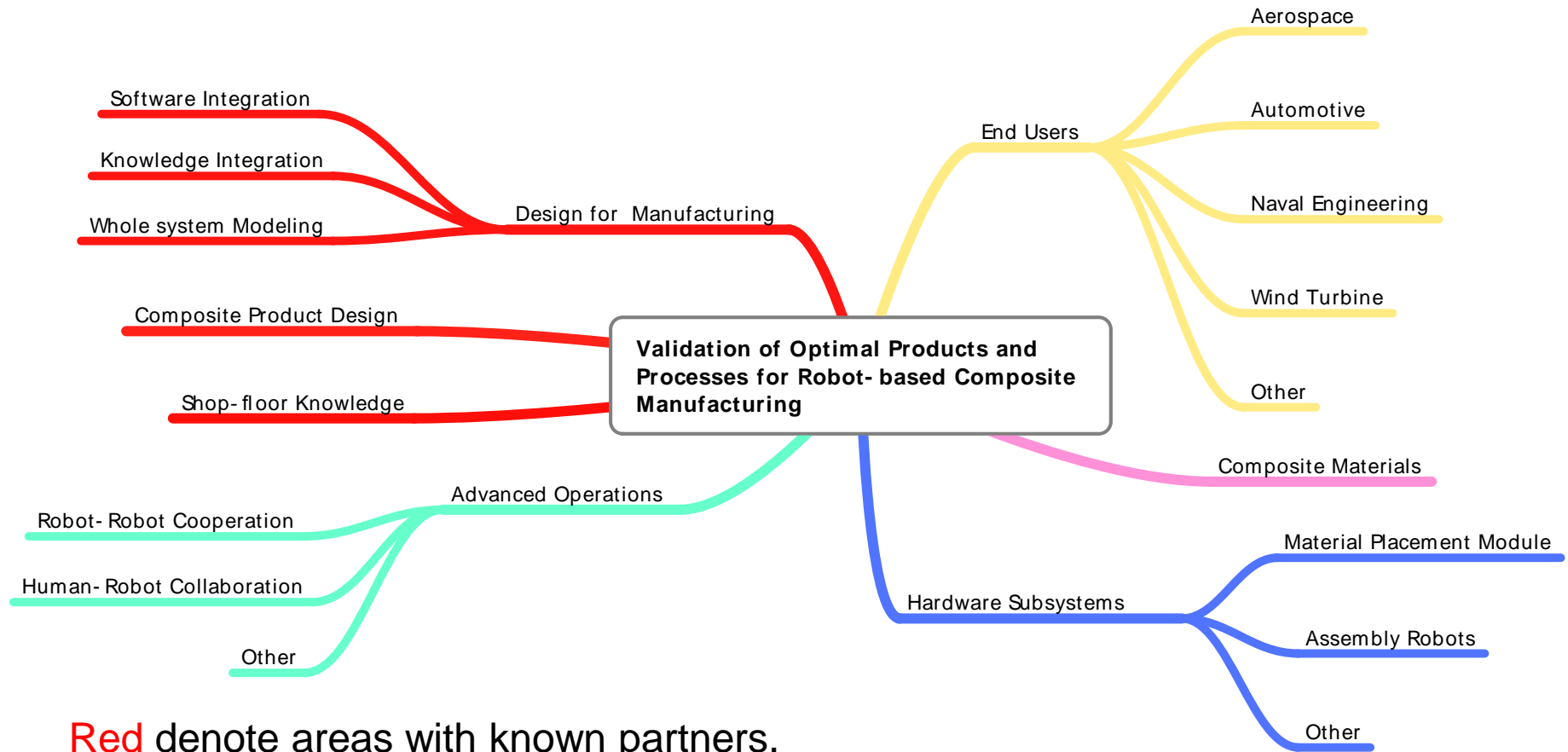
1. To enable conceptual design of products/processes incorporating knowledge of robot-based composite manufacturing
2. To enable advanced composite manufacturing process that integrate shop-floor activities with intelligent cooperative robotics
3. To demonstrate applicability of the end-to-end capabilities in selected application domains

Expected results:

1. Validation of the concept of intelligent cooperative robotics in composite manufacturing
2. Joined-up product design and manufacturing that allows full use of the advanced robotics capabilities
3. Provision of capabilities to the composite manufacturing industry

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- Info about project/project structure:



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Known Partners				
S.No	Partner Name	Type	Country	Role in the Project
1	Cranfield University	University	GB	Design for Manufacturing lead
2	EADS Innovation Works	Company	GB	Product Design/Shop Floor Knowledge lead
Required Partners				
S.No	Profile	Type	Country	Role in the project
3	Advanced Robotic Operations			Provide robotic operations expertise
4	Advanced Robotic Tasking			Provide robotic tasking and human interaction expertise
5	Software/Knowledge Integration			Design for Manufacturing
6	Hardware System/Subsystems			System demonstrator lead
7	Composite Materials			
8	End-user			Generate requirements and validate markets