

MODSafe

Modular Urban Transport Safety and Security Analysis

Final Conference

25 – 26 June 2012, Cologne

MODSafe Overview

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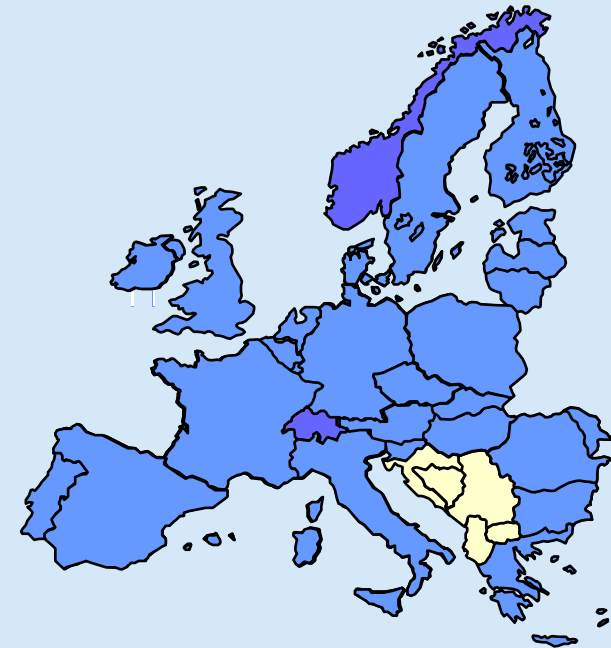
Table of Content

- Project Motivation
- Project Objective
- Overall Strategy and Work Packages
- MODSafe Partners
- Key Deliverables
- Project Time Schedule

Project Motivation

The European Urban Guided Transport sector is characterized by a highly **diversified landscape** of

- safety requirements / models
- architectures and systems
- roles and responsibilities
- safety life cycles
- safety acceptance, approval and certification schemes



Project is funded by the European Commission



Objective

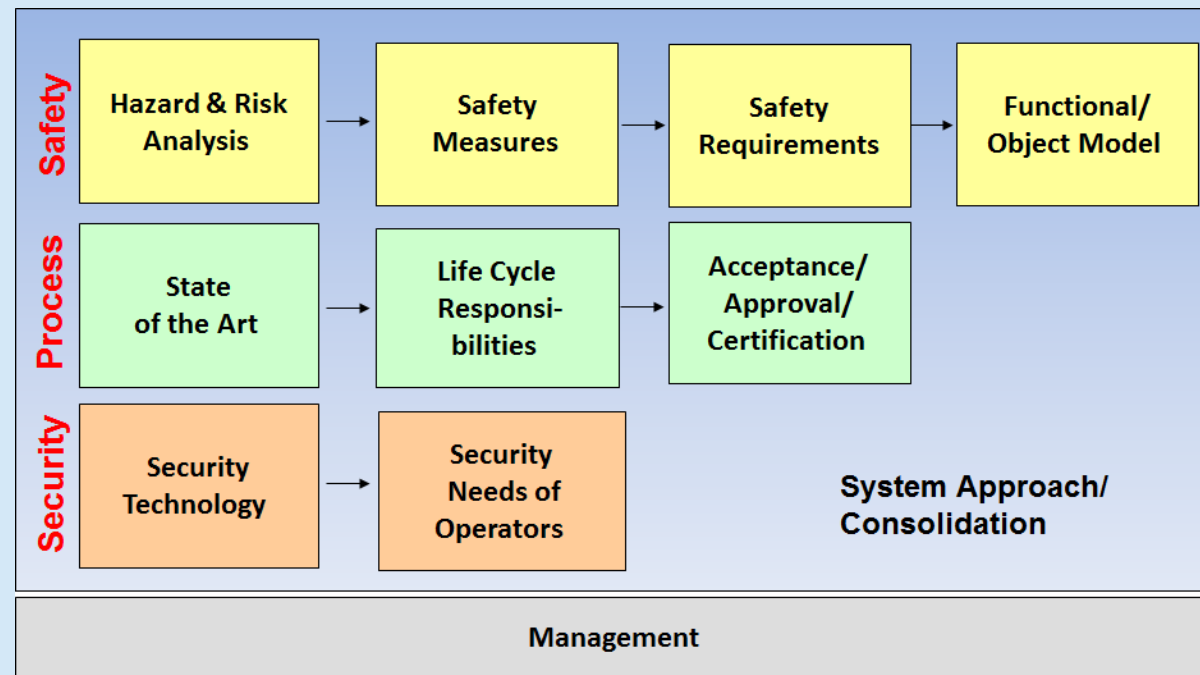
European **harmonization** by

- development of a safety analysis and model reference for future Urban Guided Transport projects
- development of a reference safety & security life cycle for future projects
- unification of acceptance, approval and certification procedures
- cross acceptance throughout Europe



Overall Strategy and Work Packages

- arrangement of Work Packages along the life cycle of Urban Guided Transport systems
- analyses based on state of the art
- aim for harmonization
- aim for cross-acceptance
- deliverables shall be usable by industry, operators and authorities



MODSafe Partners

- Associations



- Industry



- R&D Organisations



- Operators



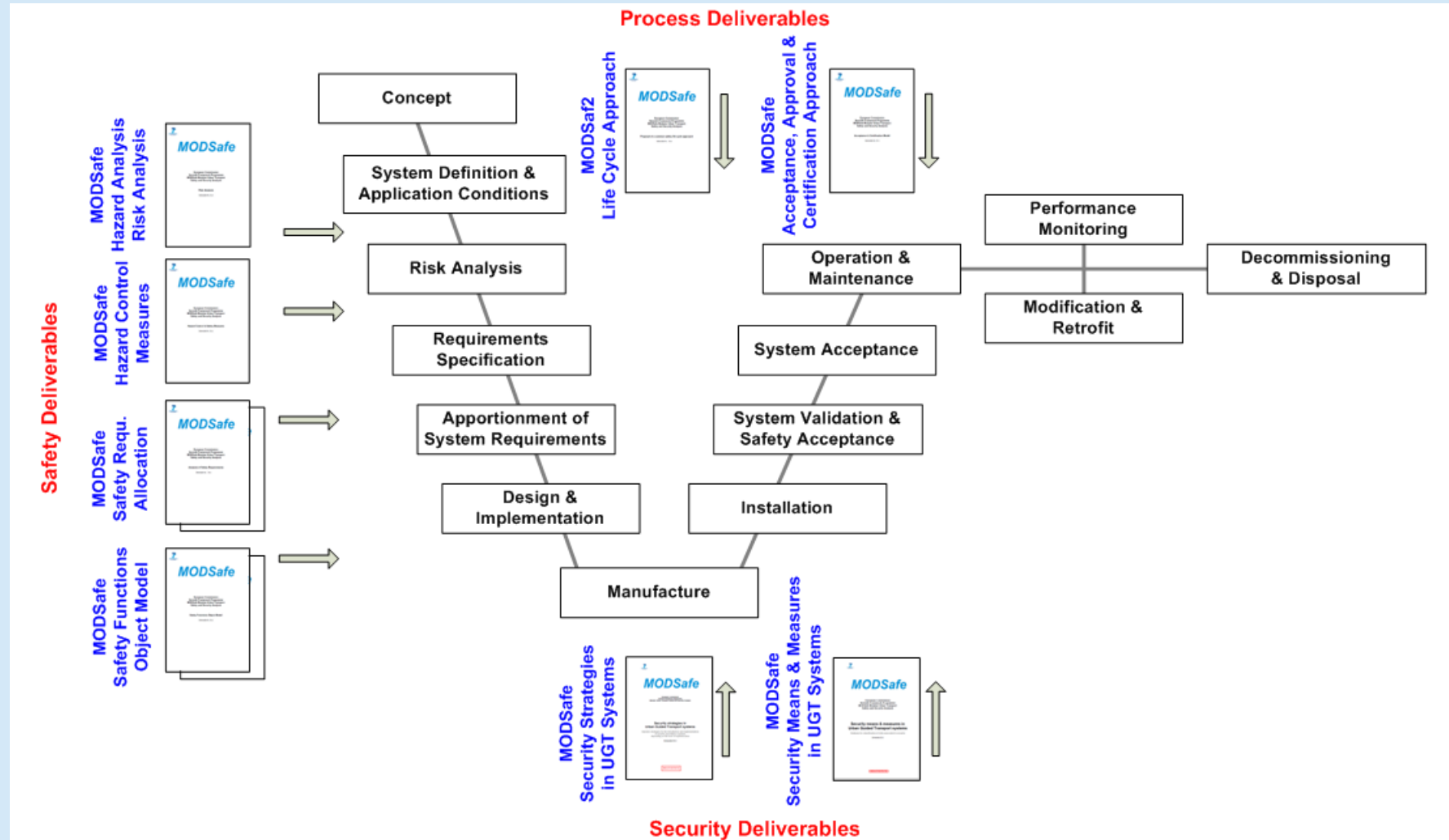
- Consultants



- Third Party Organisation



Key Deliverables



Key Deliverables

Deliverable Name	
Safety	MODSafe Risk Analysis
	Hazard Control and Safety Measures Analysis
	Analysis of Safety Requirements for Continuous Functions / On Demand Functions
	Functional Model and Combined Object / Functional Guided Transport Model
Process	State of the art on Safety Responsibilities and Certification
	Proposal of a generic safety life cycle approach
	Proposal of generic Acceptance, Approval and Certification process
Security	Security Strategies in Urban Guided Transport Systems
	Security Means and Measures in Urban Guided Transport Systems



Time Schedule

Content	2009				2010				2011				2012			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
State of the Art	█	█	█	█												
Hazard and Risk Analysis	█	█	█	█	█	█	█	█	█	█	█	█				
Hazard Control and Safety Measures				█	█	█	█	█	█	█	█	█	█	█	█	█
Safety Requirements	█	█	█	█	█	█	█	█	█	█	█	█				
Functional / Object Model	█	█	█	█	█	█	█	█	█	█	█	█				
Life Cycle Responsibilities	█	█	█	█	█	█	█	█	█	█	█	█				
Acceptance / Approval / Certification	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Security Technology		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Security, Needs of Operators		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
System Approach / Consolidation																
Financial & Contractual Management																
Dissemination & Exploitation																

ongoing activities

**Final Conference
June 25 - 26, 2012**



Final Conference

- Facing project closure in August 2012
- **Presentations** on work performed and results
- MODSafe outcome is basis for potential future **standardisation**
- Deliverables shall be **usable** for industry, operators, authorities
- Platform for discussion and **exchange of experience**

