

FP7-2011-NMP-ICT-FoF INFO DAY

OBJECTIVE 1.3/7.3

Brussels, 8 October 2010



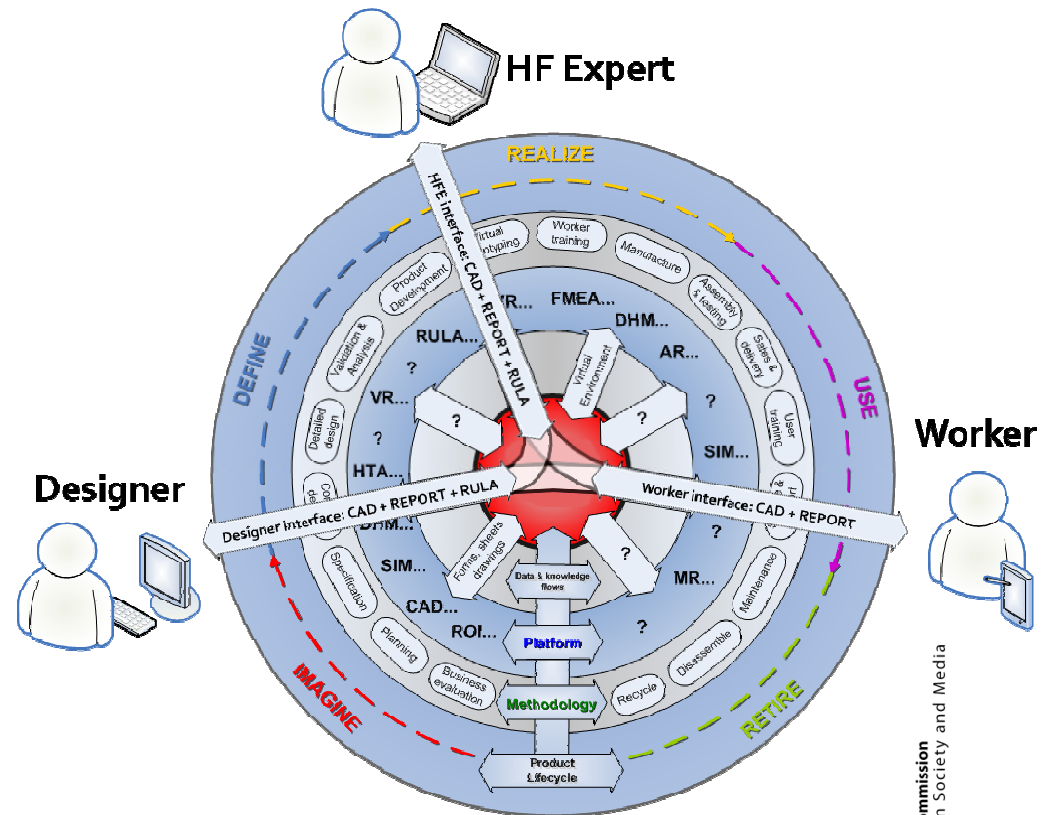
Rationale

- A Virtual Model to serve Factories of the Future
- FoF-ICT-2011.7.3, FoF-ICT-2011.7.4
- Enabling the bi-directional flow of knowledge, models and data and their reuse on the basis of PDM/PLM employing VR/AR technology throughout LC



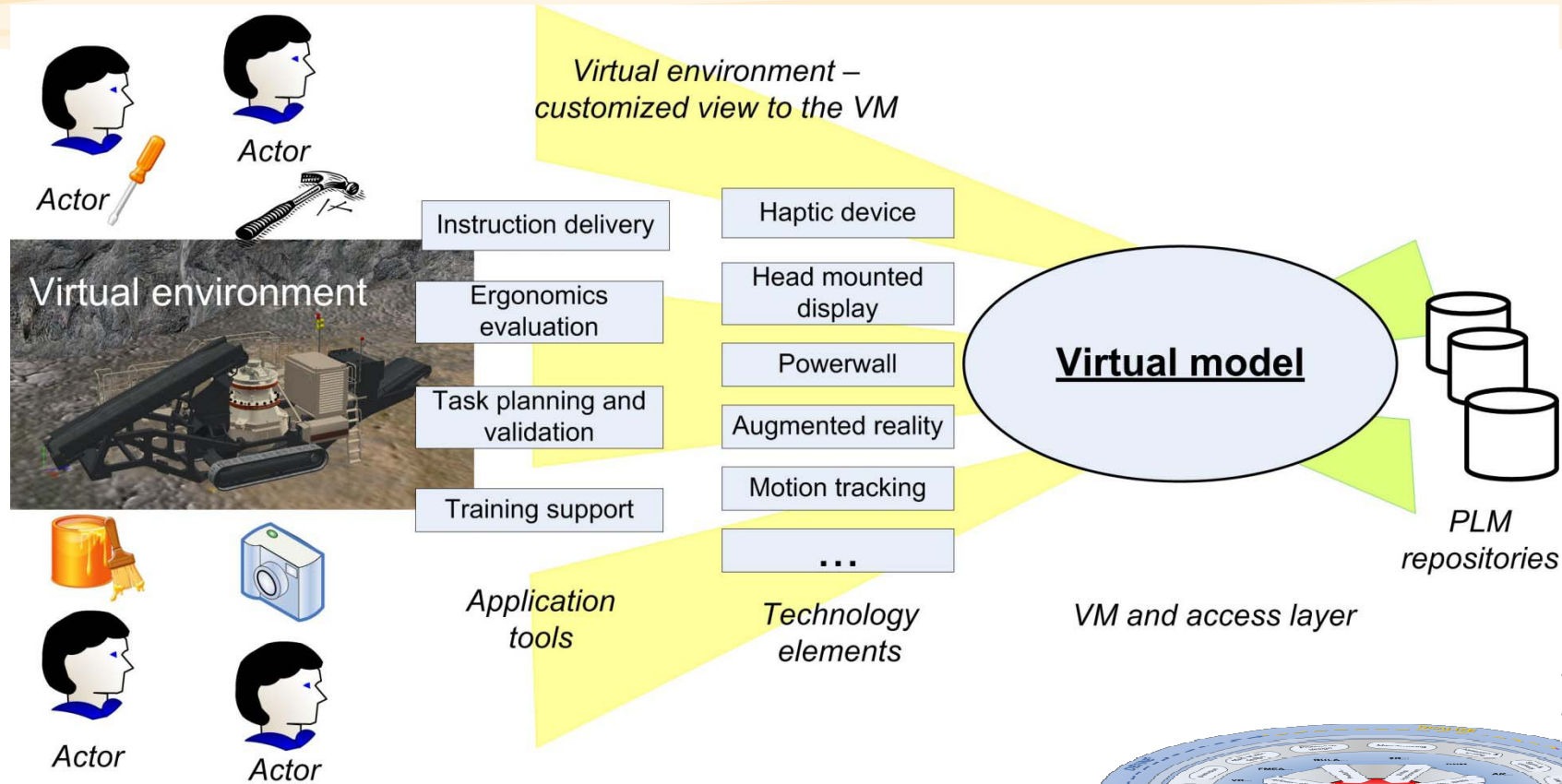
Objectives and scope

- Bi-directional communication: modular architecture based on the VM as a shared object for the entire LC
- Application tools: human factors methods and technology to support different operational stages across the LC
- VR/AR/tracking technology: easy and natural access to the VM via the application tools for all actors in the LC



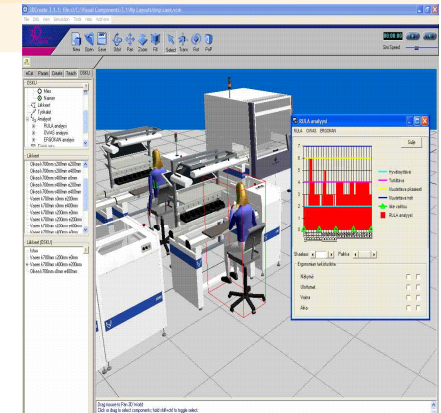
credit ManuVAR: www.manuvar.eu

From PLM model to system architecture



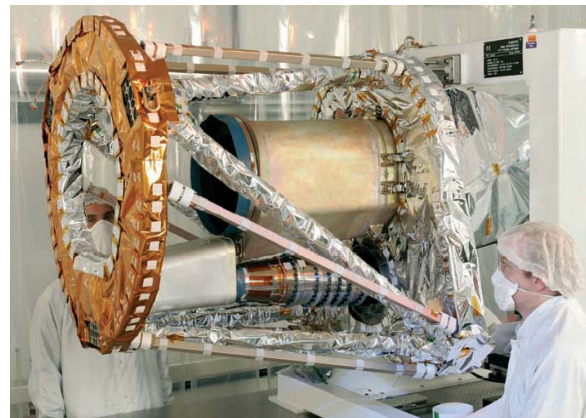
Expected impact

- Increase productivity and quality and reduce cost of in the whole lifecycle
- Facilitate adaptation to product customization and changes
- Support collaboration across platforms, tools, locations, skills
- Support efficient knowledge and skill management through the lifecycle
- Minimise prototyping costs – reduce carbon footprint



VTT

VTT



Thales Alenia Space

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