Babymod project.

Objectives: The BabyMod project aims to refine the need of manufacturers to redesign the interactions between engineers and their modeling environments. The objective is to prepare for the setting up of a future project called EasyMod. BabyMod must lead to a demonstrator validating the necessary interaction technologies.

30K euros

6 months

Airbus DS, Safran, Thales RT, Ariane Group

Needs

- The main end-user is the system architect but more broadly all engineers with daily or occasional use of the system engineering workshops.
- Facilitate the appropriation of engineering tools and more specifically modeling technologies by engineers.

The targetted locks are:
- Weak penetration of modeling techniques in numerous engineering domains
- modeling tools that don't match the culture of system engineers
- Obsolete interfaces
- Non intuitive constraints
- Painful modifications
- Difficult collaboration

Technological approach

Benefit from state of the art interfaces
Multimodal Interfaces, touch devices
Multiscreens, multitouch walls, pen tablets / computers
Modern graphical frameworks
Expérience from smartphones, web, video games and critical GUI
Simplify human / machine interactions
Intuitive edition
Simultaneous edition
Models annotation
Assist the engineers
Incremental modeling
Non intrusive analysis / edition / assistance
Assisted restructuration of the model
Collaborative modeling

Mono-user mono-site | Mono-user multi-site
Multi-user mono-site | Multi-user multi-site

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