TOULOUSE TECH TRANSFER

SEMCO: simplify the design of safety critical systems with security patterns

How to make the appropriate design choices in order to meet system security requirements ? Many companies use empirical approaches which are time consuming and not reusable.

COMPETITIVE ADVANTAGES

- Simplify system design and implementation
- Increase confidence level
- Capitalize on company's expertise

DESCRIPTION*

- SEMCO is a software-based solution which helps system and software teams design correct-by-construction security and safety systems
- SEMCO promotes the use of security patterns, proven solutions to common security problems, across functional teams
- With SEMCO users can:
  - Create, reuse and share security patterns
  - Find and instantiate relevant patterns for a given problem
  - Perform automatic analysis: does the system have enough resources ? Does my implementation cover this risk ? etc.
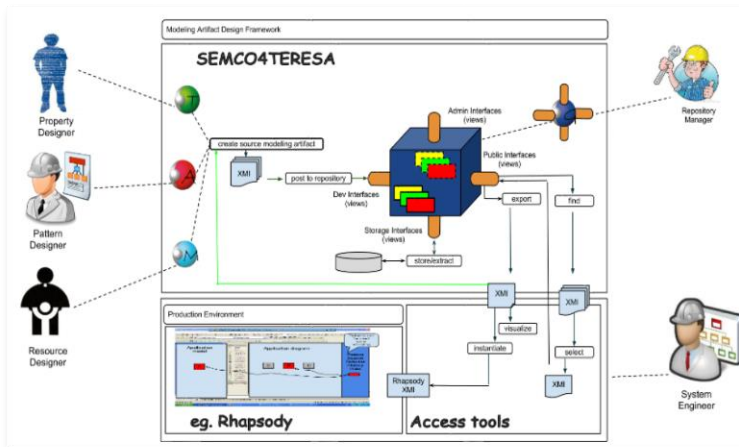
APPLICATIONS

- Model-based engineering of critical systems
- Space
- Transportation
- Energy…

Photo : IRIT.

INTELLECTUAL PROPERTY

- Software

DEVELOPMENT STAGE

- Technology validated in relevant environment

1	2	3	4	5	6	7	8	9

LABORATORY

- MACAO team

IRIT
CNRS - INPT - UPS - UT1 - UT2J

TECHNICAL SPECIFICATIONS

Modelling language	DSML, UML, EMF, QVTO
IDE	Eclipse

CONTACT

T. +33 (0)5 62 25 50 60
numerique@toulouse-tech-transfer.com
www.toulouse-tech-transfer.com