SIMTER eTranet
Simulointityökalu tuotannon kehittämiseen tehdasteollisuudessa -
Simulation-based production development tool for traditional manufacturing industries

Objectives
1) Integration of three knowledge areas in a simulation tool, i.e. enabling the integrated analyses of automation levels, ergonomics, and environmental impacts;
2) Demonstration and dissemination of ICT advantages in manufacturing industries;
3) Enhancement of the knowledge of production automation design effects on ergonomics and environmental impacts;
4) Enhancement of continuous development concepts in praxis.

Contents
An advanced simulation based production development tool for different kinds of companies
• Especially for small and medium-sized enterprises
The findings bring new information
• as a guideline for level of automation in simulation software. The guideline enables easier and much more accurate results,
• to ergonomics calculation in a dynamic perspective over time, while today the calculations are mainly static,
• to environmental lifecycle assessment in a dynamic perspective over time, instead of current static calculations.

The SIMTER tool will be produced in two projects, carried out jointly in Finland and Sweden. The Finnish project is coordinated by VTT and funded by Tekes and the Swedish project is coordinated by Chalmers University of Technology, funded by VINNOVA. The project entity is coordinated by VTT.

Partners: Hollming Works Oy, Visual Components Oy, Tekes, Chalmers University of Technology, Volvo Technology Corp., EKA Chemicals AB and VINNOVA.

Budget: The total budget of the joint projects in Finland and Sweden is 1 MEUR, where the Finnish part 440 000 EUR
Tekes funding: 246 000 EUR

Contacts:
VTT / Salla Lind
Tekniikankatu 1, P.O. Box 1300, 33101 Tampere
salla.lind@vtt.fi
tel. +358 20 722 3004, fax +358 20 722 3499