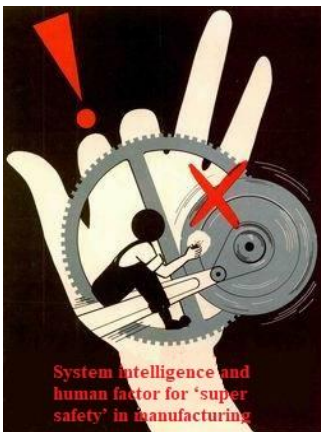


System intelligence and human factor for 'super safety' in manufacturing industry

The concept of systems intelligence developed by professors Esa Saarinen and Raimo Hämmäläinen from Aalto University combines insights of systems thinking, pragmatic orientation and philosophy of life. This study is about how systems intelligence could be applied in improving safety in industrial manufacturing plants. This approach is useful for understanding human behavior and human factor concerning safety and concrete actions can be created to generate change in attitudes.



One of the targets of this research is to study how human factors contribute to accidents and how human factors' impact and thus the the number and severity of accidents can be reduced. Human factors in this research are the factors that affect human performance, and if mismanaged, lead to injuries, accidents or in the worst case, to disasters.

The work is done in collaboration with the Department of Industrial Engineering and Management in Aalto's School of Engineering.

Researchers: Jaana Salo, Riitta Juvonen

Project-related publications:

Salmi, K. (2016) Human factor as a source of property losses, M.Sc. thesis, Aalto University. 139 p

Bonde-Jensen, C. (2015) Human factor as a source of occupational accidents, M.Ss. thesis, Aalto University, 134 p.