

D7.4 Periodic activity and management report – Executive Summary (April 2018)

Smart factories are characterised by increasing automation and increasing customisation. In these dynamic environments flexible and adaptive work organisation is crucial, both for productivity and work satisfaction.

The Factory2Fit project will support this development by developing adaptation solutions with which people with different skills, capabilities and preferences can be engaged, motivated and productive members of the work community in manufacturing industries.

During the first 18 months, the project has proceeded according to the plans. Based on a thorough analysis of industrial requirements and enabling technologies, the consortium has defined a common vision and related scenarios and use cases. The vision includes two kinds of adaptation solutions:

- 1) *Empowering the worker* solutions adapt the work environment according to the worker model and give motivating feedback to the worker;
- 2) *Engaging the work community* solutions encourage and motivate workers to participate and influence at the workplace as well as to develop their competences.

A common architecture for the development work has been defined, and the required concepts, modules and their interaction have been designed. A dynamic user model together with online and offline measures has been defined. Implementation of the adaptation solutions has started well. Virtual Factory environment has been set up to support the development of participatory design and training solutions. First demonstrations of participatory design, training and knowledge sharing solution have been implemented and they have been evaluated with factory workers. The consortium has defined Factory2Fit integration system to support the planning and implementation of the industrial pilots. Piloting has already started with the Worker Feedback Dashboard pilot. The project has defined a design and evaluation framework to support designing solutions that will have a positive impact on work wellbeing. The project has delivered a wide set of dissemination activities aimed at the general public, industry, policy makers and the scientific community. The project has also set up a networking cluster with other FoF-4 projects and issued a joint press release.

