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What is Factory2Fit?

Factory2Fit is an EU-funded research project under the Horizon 2020 research and innovation programme (grant number 723277).

The project will create worker-centred solutions for factories of the future.

Specifically, Factory2Fit will develop and pilot adaptive solutions for factory workers that:

Improve work flow

Support workers in understanding and developing their competences

Engage workers in designing their own work and sharing knowledge

When was the project launched and when will it conclude?

Factory2Fit started on 1st October 2016 and will run until 30th September 2019.

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How much has the EU Commission invested in the project?

The total EU Commission funding for Factory2Fit is €4,322,462.50

Who is involved in the project?

Factory2Fit is coordinated by VTT Technical Research Institute of Finland. There are nine partner organisations in the consortium across four European countries – Finland, Germany, Greece and Ireland. The consortium is made up of three industrial partners (Continental Automotive, Finn-Power, and United Technologies Research Center), three research partners (VTT Technical Research Centre of Finland, Chemnitz University of Technology, and Centre for Research and Technology Hellas), and three SME partners (Amorph Systems, Carr Communications, and Visual Components).

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What will Factory2Fit deliver and who will benefit?

Factory2Fit will deliver a series of concepts that empower the worker and engage the work community. The project's outputs will bring a broad range of benefits for both factory workers and employers.

Empowering the Worker Concepts

- Worker profile dashboard to support personal data protection
- Worker feedback dashboard for insight on own wellbeing and performance
- Adaptive user-machine interaction for personally and situationally relevant support and functions
- Adaptive task assignment for personally and situationally relevant and motivating tasks, respecting workers' preferences

Engaging the Work Community Concepts

- Participatory design to contribute to designing own work environment and practices
- Knowledge sharing tools to make tacit knowledge visible and accessible
- Virtual training solutions for:
 - Efficient introduction of new machines and practices
 - Continuous skills development at the worker's own pace
 - Workers' contribution to training materials

Benefits

- Increased motivation, commitment and work satisfaction
- Better worker wellbeing
- Improved productivity and efficiency
- Better quality products