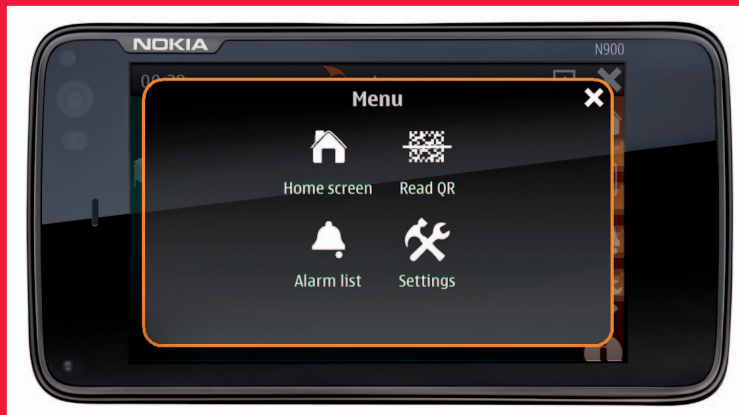


PERSONALISING UI

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Demola



New Factory is the place where you can refine ideas into products and services for different needs. Demola, Protomo, Suuntaamo and StartupStairs are machines of New Factory. New Factory is operated by Hermia Ltd.

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PERSONALISING UI

The team

The team was gathered by matching the applications submitted to the available project on Demola web site. The team consisted of three members - two students of TUT and one student of UTA. This phase was done in collaboration with the TUT Department of Automation Science and Engineering.

One of the team members, Tuomas Hietala had a background as a student of Interactive Technology at the University of Tampere while Timo Lyytinen and Esa Borg were students of Automation and software development at Tampere University of Technology.

The future

The project delivered a functional demo application, documentation of the concept and a lot of information on the applied technologies.

Natural steps for the future collaboration between Demola and Metso are the next disruptive technology demo projects - for example on the topic of 3D displays or platform ecosystem comparison.

The project

The project was the first one to be made in cooperation between Demola and Metso Inc. Metso is a global supplier of technology and services for mining, construction, power generation, automation, recycling and the pulp and paper industries. Metso has about 28,500 employees in more than 50 countries. This project was made with Metso Automation Tampere site.

The goal of the project was to create the concept and prototype implementation of a new, personalizable mobile user interface for controlling industrial processes. "The project was interesting, because it combined mobile devices, software development and automation. The partner company of the project made it even more interesting - we wanted to make the mobile applications easier to use and more responsive to the user needs", tell the team members.

Target device for the project was Nokia N900 smart phone. The user interface was implemented using Nokia's Qt development tools and QML, with a back end system running on a web server. The prototype applied a bunch of modern touchscreen UI concepts to industrial process control, a field where rather more conservative UIs are used today.



"This Demola project was an interesting way to test a new kind of concept, achieve experience on the technology and build a demo."

- Mika Karaila, Research Program Manager, Metso Automation R&D