



**Aalto University**  
Design Factory

# Aalto Design Factory

## Short introduction



**ZEISS**  
Germany

Teknillinen korkeakoulu  
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An experimental co-creation platform for education, research and application of product design

**“To Educate  
the World’s  
Best Product  
Designers.”**





**13 370 recycled**

**2014**

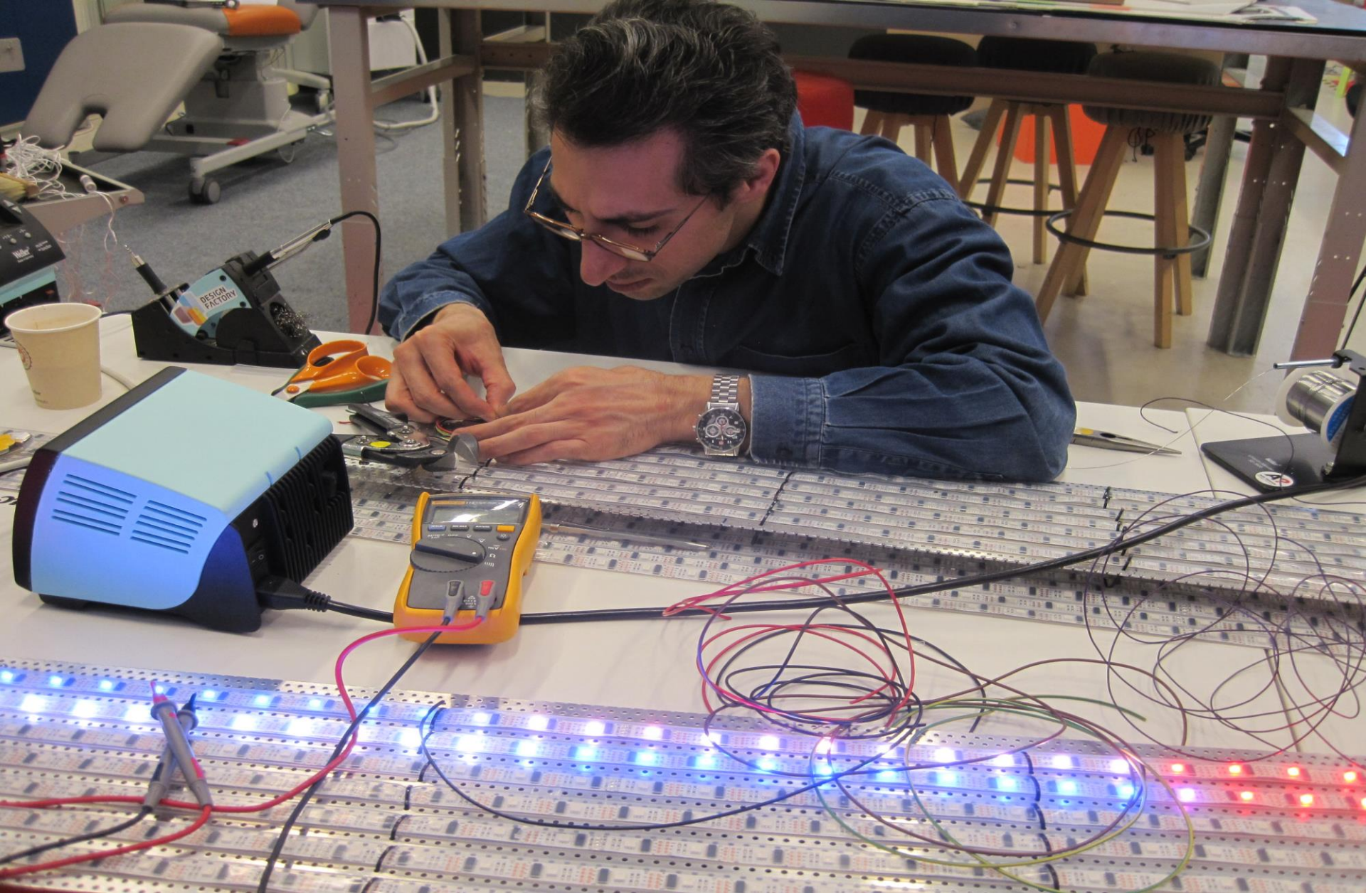


**2 221 cnc hours**



**42 056 cups**













DMITRY ASTAKHOV / AP / LEHTIKUVA 2012 ©



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**Audi**



**WÄRTSILÄ**

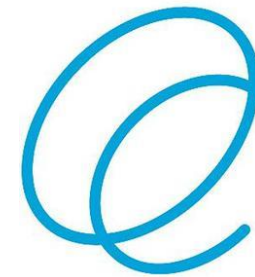


**AIRBUS**



**PHILIPS**

sense and simplicity



**ESPOO  
ESBO**

**ABB**

**KONECRANES®**  
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**KONE**





# MobiCom 2011

Las Vegas, Nevada, USA  
September 19-23, 2011

## ***GRID: A DTN based Localized Social Networking and Messaging Application***

Authors: Karthik Budigere, Binoy Chemmagate, Junxi Yin, Markus Nurminen, Eero Martela (Aalto University, Finland), Ankit Kumar, Richa Khera, Nutan Sawant (Indian Institute of Technology, India)

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## What will the Good Mill of the future look like?

How can you combine industry and city so as to give people a good life and an unpolluted environment? The answer lies with the Good Mill, a visionary concept, based on real needs and opportunities.

### Global collaborations

Metso, in collaboration with Aalto University and Aalto Tongji Design Factory, is implementing the Good Mill project to create an eco-efficient urban planning model that embraces ethical values. The project integrates the urban environment, industry and sustainability in a new, innovative way. The model example used in the plan is Chongming Island, located in Shanghai, China.

"The goal is to create a foundation for an ecological, urban community in which industry is an integral element in the heart of the metropolis," says Petteri Venetjoki from Metso Industrial Design Center.

### No compromise on comfort or ecology

In the project the students photographed the environment, interviewed people, visited kindergartens, and workplaces. They studied the culture, waste management, industrial architecture, flow of goods, and alternative business models. In the plan, waste management, recycling and energy production are handled on the residents' terms without compromising comfort and ecology aspects.

At this point, the goal of the Good Mill project is concept planning. During the project the team created a bold, futuristic design of a mill that would take people's needs into account, a mill that would spring up in the middle of the conurbation. The mill is like an urban facility where the waste and wastewater produced by people are processed into energy or new products. The processing of waste produces value, "upcycling," which is more than just recycling.

### Working together with Metso experts



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