

# Next-gen crane control

## Actualize the use of smart phone and voice-assistant with a crane

Crane radio controller has been a dominant control method over the decades. Control methods in other applications are developing rapidly and new work generation would require control methods familiar from their daily life. "Voice-assistants" are now being built into cars, smartphones, headphones, refrigerators, watches and televisions, why not for cranes?

KONECRANES is the world leader in material handling equipment and its products are highly advanced in technological features available. Using voice-assistants and smart phones with cranes could be the next step in crane control. This enables new exciting possibilities: human to machine interaction is taken to next level, the user interface is intuitive to use and gives a good customer experience.

Now we are looking for a team to create ideas and concepts for a solution. Once creating concepts, consider which information is available from crane and what is beneficial for operator. In the end, we would like to see prototype testing of proposed concept with the Aalto Industrial Internet Campus (AIIC) crane.

Beneficial skills for the project:

- Software & automation
- Conceptual design
- UX design
- Electrical engineering

