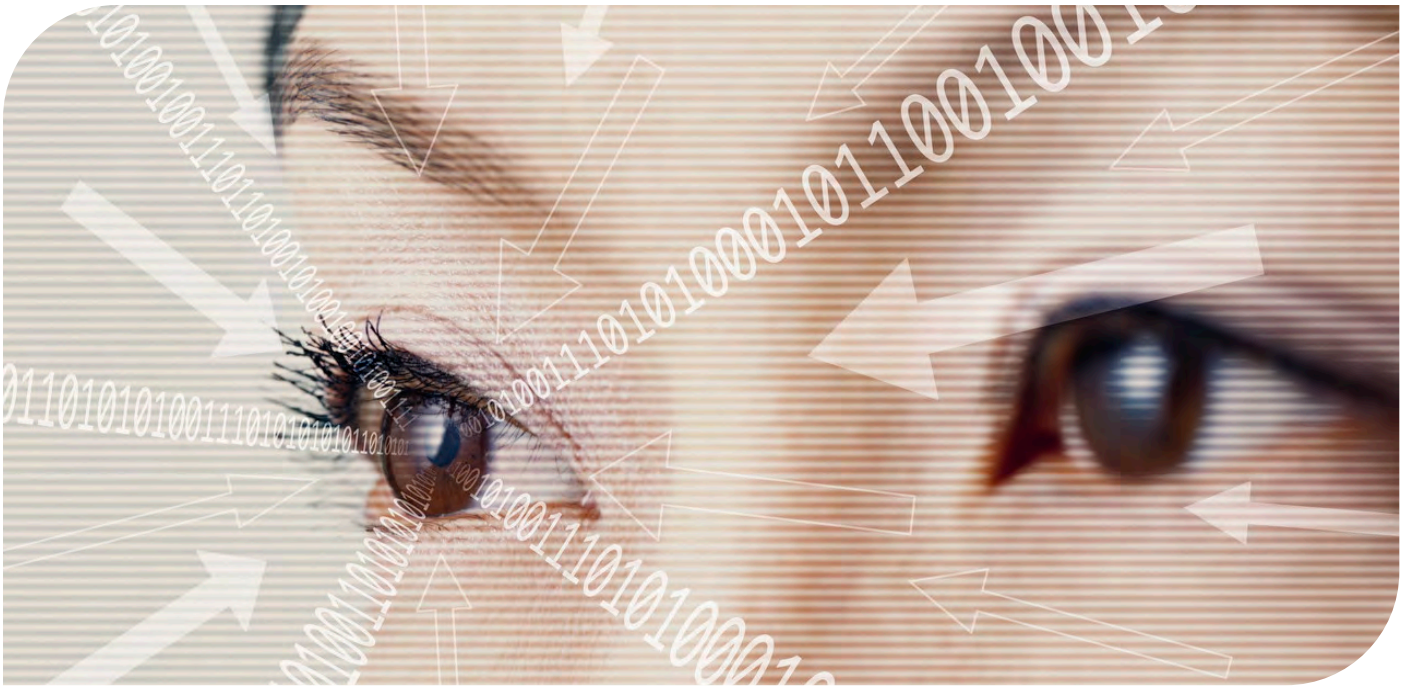




Smart Tooling

Robot Technology for maintenance in the process industry



The rapidly developing robot technology offers new opportunities for maintenance in the process industry. This project wants to address the development as well as stimulate and facilitate innovations on that field.

The BOM, REWIN and KIC are therefore busy developing a project. That project aims on stimulating and realising innovations to improve maintenance in the process industry by the use of robot technology. The project targets mainly on SME companies who develop new instruments, tools, machines and methods. The asset owners supply the ideas and needs and the service companies can also be partner in the project to innovate themselves but also to be partner for the SME companies. Besides companies and the economic agencies schools and universities will be part of the consortium. During the course of the project the following things will be addressed:

- Concrete innovation opportunities of asset owners in the process industry will be realised.
- Research on available robot technologies in other sectors.
- Research on the state of art of the current available robot technologies.
- New business development and prototyping of robots.
- Developing a network of European robot technology organisations.

The plan is to request a subsidy with the **Interreg** program.

At the moment we are forming a consortium to make a project. The content of the project is partly known but will also be filled with project ideas form partners.

We want to make a first request September 2015, depending on the consortium, the call date and the content of the project.

Examples of robot developments in The Netherlands are:



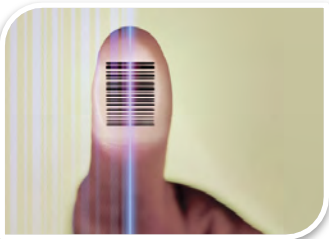
Drone inspections:

For (high) altitude inspections.



Augmented reality:

Tele presence, remote sensing and remote control.



Mobile sensors:

Sensors on a variety of carriers such as drones, crawlers etc.



Enhancing coil maintenance:

Using robot technology to lower the inspection costs and shorten the inspection period.



Technological development:

Broad research on available technologies and stages of readiness.



Other innovations:

Other possible innovations

A possible setup of the (European) project is schematically displayed below.



Aside from the concrete realisation of diverse maintenance innovations the goal within this project is to also develop new opportunities in the robot industry. New business opportunities will be created from concrete innovations and the application innovations. Within this project some of these opportunities will be developed and actively supported to the market. Aside from that it will also be linked to existing initiatives and funds.

Are you interested to participate and want more information?

Call: De Innovatiefabriek 076-5030960 or mail info@deinnovatiefabriek.nl
We can make an appointment.

Robots in the process industry