

INNOVATION CHALLENGE

powered by Energie AG

Challenge 2

Autonomous inspection solution for overhead power lines

Energie AG is a leading innovative energy supplier in Austria with a large grid of power lines. Maintenance, servicing and repairs are essential to ensure safety and reliability for 500,000 users. Today, this work is mainly carried out by trained personnel with binoculars.

In order to improve the quality of our grid, we are looking for an autonomous vehicle (e.g. robot, drone, ...) that moves along the overhead lines (bundles & cables) following an inspection order from the network information system.

The device generates data (i.e. images) and evaluates them to a large extent automatically. The purpose of data analysis is to detect anomalies and identify recurring patterns of damage.

At the same time, it is important to avoid looking into private areas.

About Energie AG

Energie AG Oberösterreich is a modern and efficient energy and services group. As a provider of electricity, gas, heat, water as well as waste disposal and ICT services, Energie AG stands for the highest quality and reliability of our products, processes and services.

As an infrastructure group, we supply more than 450,000 customers with electricity via the 30,000 kilometres long high and low voltage network. We operate more than 70 power plants (such as hydroelectric, photovoltaic plants, wind) following the highest ecological standards.

Deadline

Please make sure to submit your challenge entries by **January 16, 2024**.

We look forward to receiving your [application](#) and if you have any questions, please don't hesitate to [contact the startup challenge team](#)!