

Summary of the Q&A Session - Challenge 2:

Autonomous inspection solution for overhead power lines

What are the main requirements for power line inspection?

Automatic or semi-automatic detection of defects. Respect for privacy and property owners' rights.

What are the challenges regarding privacy in inspections?

The need to conduct inspections while ensuring the privacy of residents is not violated.

Are drones a suitable solution for power line inspection?

Drones can be useful, but there are concerns regarding privacy and no-fly zones.

What alternative methods exist for inspection?

Robots could be an alternative, especially in areas not accessible to drones.

What are the specific technical challenges in inspection?

Challenges include difficulty in defect detection, accessing hard-to-reach areas, and the need for regular inspections.

How often should inspections be conducted?

Currently, they are done every three years, but there is a desire for more frequent or need-based inspections.

What is the purpose of the collected images and information?

The main goal is to detect and classify defects. Detailed analysis and categorization of defects are important.

Are there specific requirements for reporting?

Yes, precise, and detailed descriptions of defects are required, though currently, images are not required for reports.

What are the priorities for automating inspection?

High priority is given to areas that are difficult to access, such as private properties, forests, and mountain regions.

If not selected for the challenge, is there still a possibility of working with the company?

Yes, the company is open to exploring other forms of cooperation with participants who have viable solutions, even if they are not selected for the main challenge.