Latvian State Forest Service

Challenge

Latvian State Forest Service needed a modern technical solution that would serve as a forest fire detection and surveillance system.

Solution

An automated solution was installed on 12 Riga regional forestry fire surveillance towers as part of a remote fire detection and surveillance (AUANS) system pilot project. The solution is centrally managed from Inčukalns forest fire station management center.

The system enables the collection and analysis of information that can be used in decision-making.

Products and services

Hardware
Commercial use surveillance cameras AXIS Q6075. Alternative (solar and wind) power supply solution 8 UNT.

Software
Specialized software Mondot FCS for smoke detection and event plotting on a real time map.

Private cloud infrastructure
A private data transmission network that provides information transfer from the towers to the centralized data processing solution FLEX Cloud, which is collocated in duplicated data centers.

Services
Security and safety system 24/7. System maintenance damage prevention.

Results
Since deployment in the spring of 2021 the system has detected more than 20 forest fires in its first months of operation. AUANS has proved itself to be an effective tool for forest fire detection.

> The introduction of the system has been an unprecedented event in the history of the State Forest Service, but also a giant step forwards for the Latvian forestry sector. "DATI Group" plays the biggest role in the implementation of the system. Despite very challenging working conditions, mainly in the winter period, the project delivered on time and at a very professional level.

Normunds Jurkāns, Deputy director-general of Latvian State Forest Service

Why "DATI Group"

"DATI Group" was selected as the winner of the tender because it offered the most financially beneficial solution and the best results in the AUANS system test.