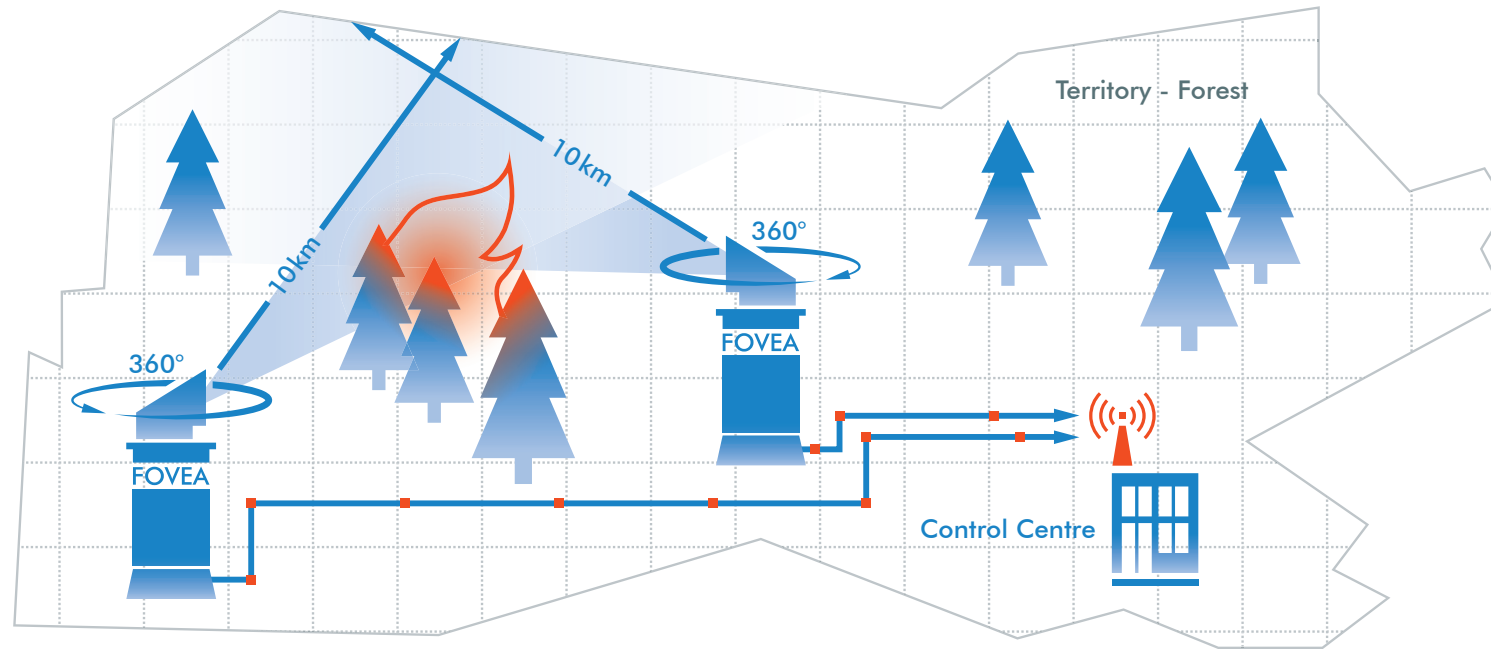




FIGHT FOREST FIRES AT AN EARLY STAGE.

The forest fire hazard season in Europe runs from March through to October. During this time, the risk of wildfires in forests and forestry areas is particularly high. Preventive measures for fire protection and fire fighting are therefore of vital importance. Otherwise wildfires can spread rapidly and cause massive environmental and economical damage. A high-resolution video surveillance, which monitors the critical area 24 hours a day, can help to detect and alert potential hazards such as smoke columns or fire sources.

The monitoring system FOVEA by Syperion Vision makes it possible to monitor areas of up to several kilometers in diameter with only one camera. Possible formations of smoke are automatically detected, transmitted and analysed in real time. In the event of a wildfire the responsible forest fire headquarter can react early and save valuable time. With FOVEA you can act before fires start to spread uncontrollably.



PERFORMANCE

The video monitoring system FOVEA observes large areas with a 360° field of vision within a radius from many hundred meters up to several kilometers. The surrounding area is captured continuously from a central point and motions or changes within the viewing range are detected and evaluated automatically.

The position of smoke columns can be determined by using several systems at different locations. This enables an effective and fast coordination of the fire fighters and the suppression action. Video surveillance of large forest areas becomes feasible with FOVEA: through the infrared sensor increasing heat may be detected before it becomes an uncontrollable fire. The operators are warned automatically and can react immediately.

FOVEA is a flexible system, which can be adapted easily to customer-specific requirements. We are specialised in special-purpose solutions so we can offer you an individual system proposal for your field of application.

SOLUTIONS

Quality und Quantity

- Territorial monitoring of spacious areas
- Fast generation of high-resolution 360° panoramas

More Safety

- Automatic, intensity-invariant detection of relevant events
- Reliable alerting of events

New Technology

- First use of a camera chip in the video-based all-round detection
- Flexible use of different types of cameras and lenses
- Patented method

BENEFITS

More Efficiency

- Monitoring of large areas with a single system
- Automatic detection of relevant events
- Avoidance of false alarms due to reduced interaction

Optimised Performance

- Flexible, future-proof hardware concept
- Surveillance of large areas rather than simple perimeter monitoring

Profitability

- No need to install many individual camera systems
- Cost reduction through less extensive infrastructure and maintenance