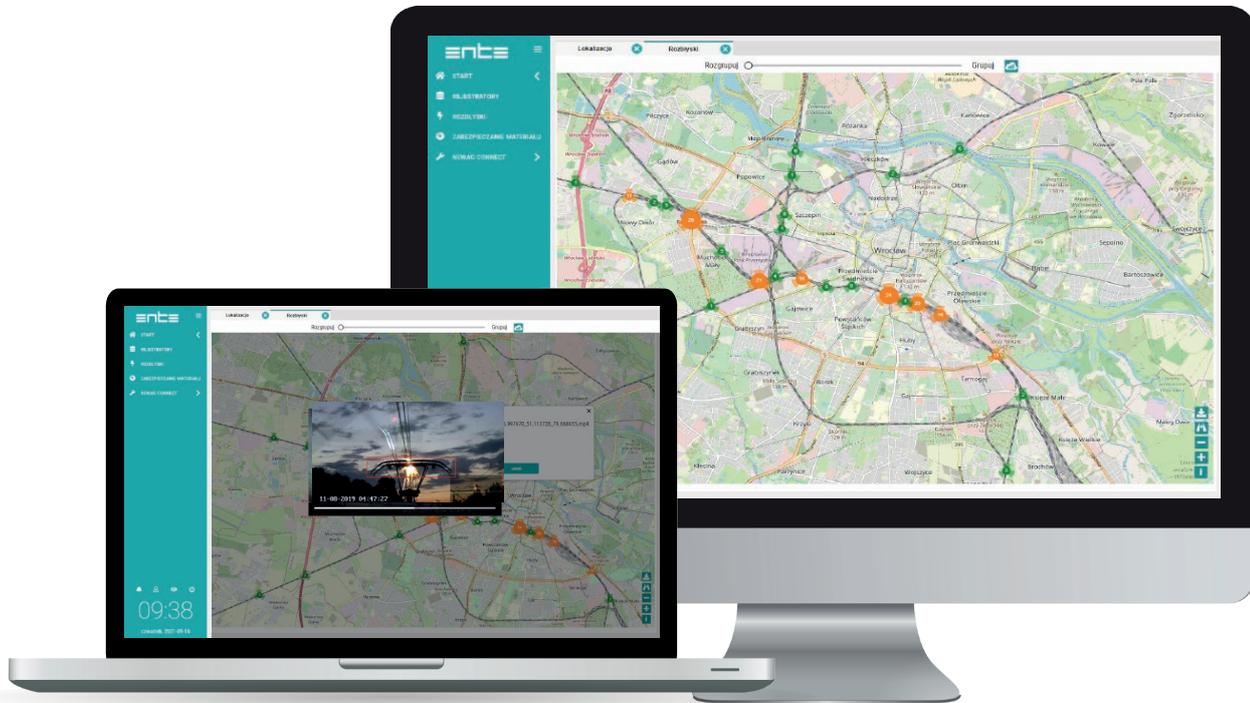




# AWIA Flash<sup>®</sup>

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Flash detection



## AWIA Flash<sup>®</sup>

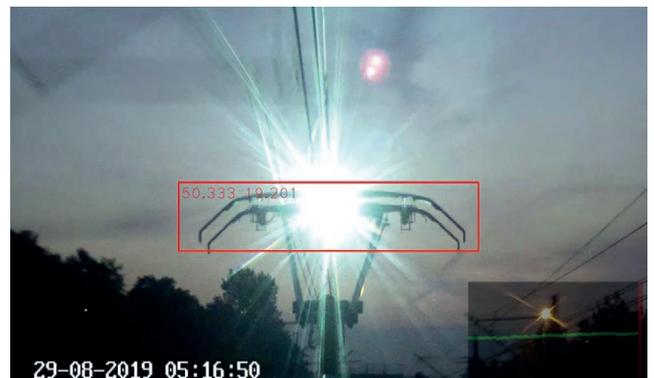
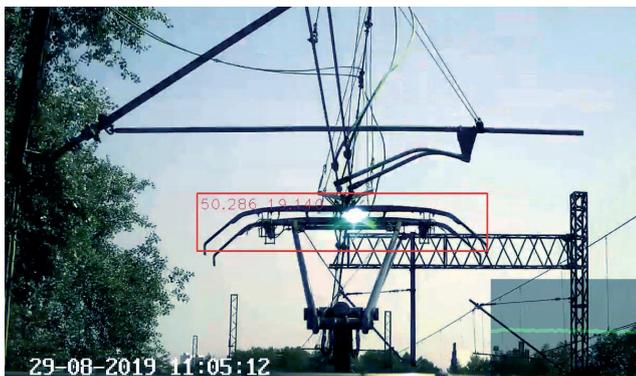
### Description of the system

**AWIA Flash<sup>®</sup>** system enables detection of flares at the junction of the pantograph and the overhead line caused by the mechanical damage or icing, with simultaneous height detection of the overhead contact line.

A characteristic feature of the system is the use of existing hardware platform **AWIA SDIP<sup>®</sup>** and innovative software using proprietary algorithms based on neuronal networks.

### Functionality

- ✓ Detection of flares between the overhead contact line and the pantograph head
- ✓ Monitoring of the pantograph height
- ✓ Archiving information about the time, GPS location and frequency of flash occurrence in the database
- ✓ Visualization of the events on the map along with information about the time and the number of occurrence of a given GPS position
- ✓ Presentation of the video material along with telemetry data marked from a given event



## System construction



## Advantages

- ✓ Simple and transparent method of analyzing and acquiring data concerning the quality of the overhead contact line
- ✓ Usage of collected data as evidence
- ✓ Report on specific problems occurred on the overhead line with an indication of accurate geo-location and time of the event
- ✓ Anticipation of potentially dangerous locations
- ✓ Ability to "act" before a problem occurs
- ✓ Savings by prediction and eliminating potential damage and high repair costs

