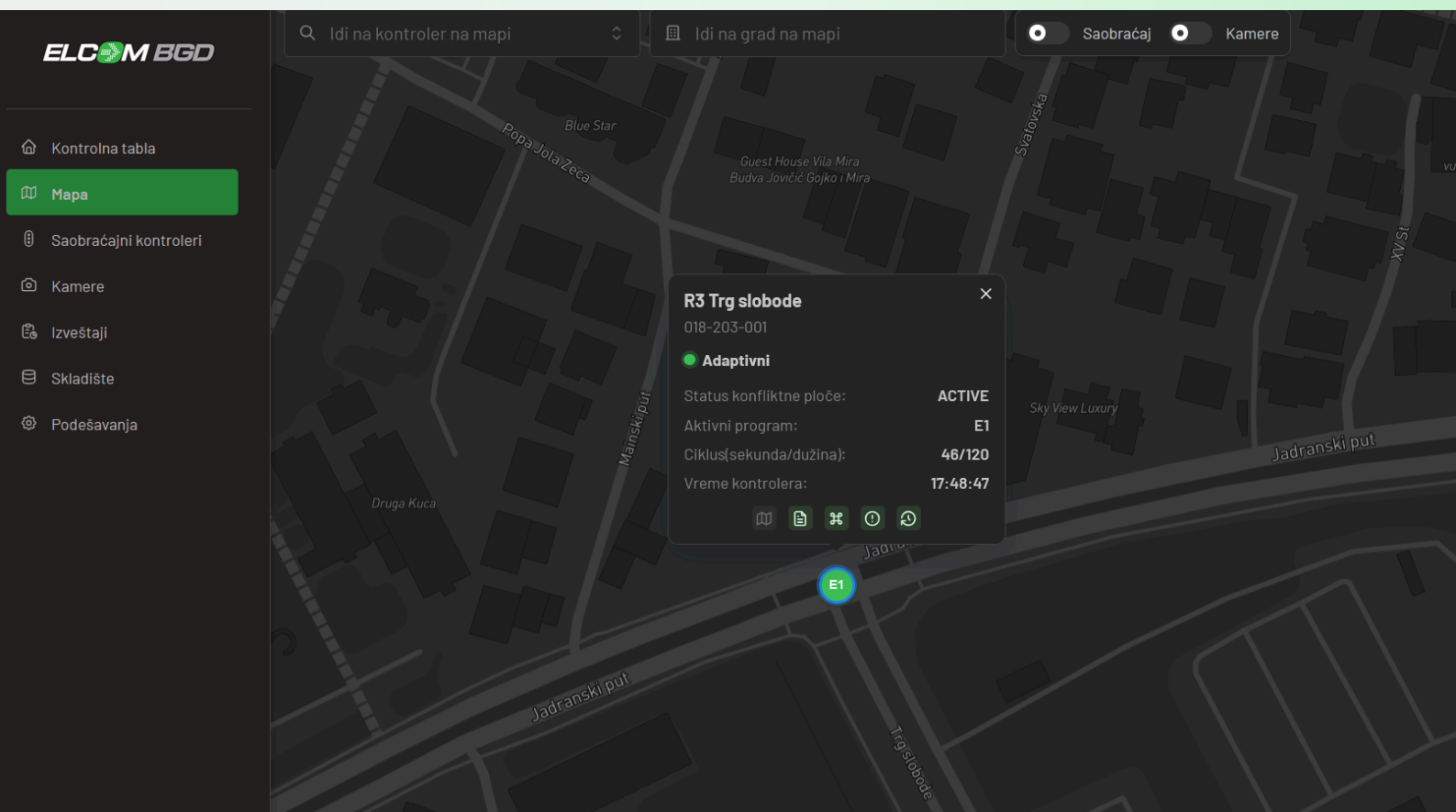




Overview

SAUS monitors the operation of traffic signal controllers and provides data for real-time traffic management, for analysis and for planning.



Monitoring of traffic signal equipment



Signals and detectors on a map



Controller programming



Remote command of field devices

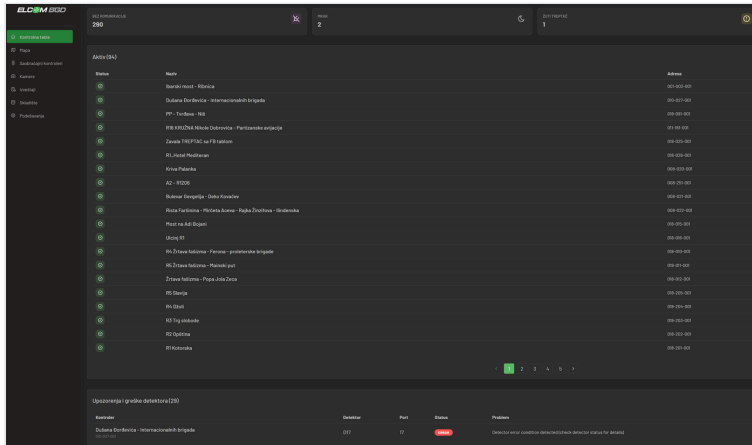


Reports and coordination

What SAUS enables

- ✓ Controller status overview
- ✓ Map with the currently active status of controllers, signals and detectors
- ✓ History of controller, signal and detector states
- ✓ Time-space diagram
- ✓ Configurable alarms by email and SMS
- ✓ Fixed-time signal programmes
- ✓ Phase-based signal programmes
- ✓ Algorithmic logic
- ✓ EPICS adaptive control
- ✓ IP and PTZ camera integration with camera control

MONITORING AND ANALYSIS



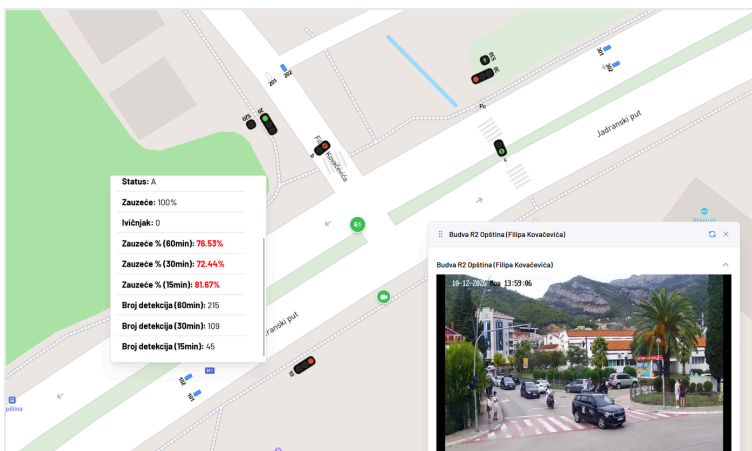
CONTROLLER STATUS OVERVIEW

The state of the whole network at a glance.

- ✓ Online, offline and active controller status
- ✓ Live detector and controller faults
- ✓ Search by name or address

KSS-1.2

KSS-1.2.E



INTERSECTION MAP

Layout of signals, detectors and cameras on site.

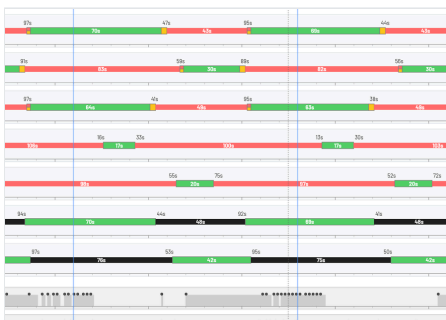
- ✓ Active programme status: P, S, A or E
- ✓ Occupancy and detection counts
- ✓ Live picture from an IP or PTZ camera

IP camera

PTZ

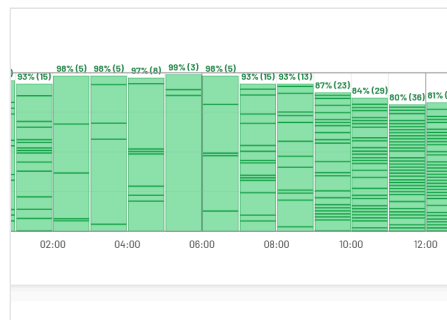
Reports

Detailed intersection reports: from the second in the cycle and green time to faults, communication and corridor coordination.



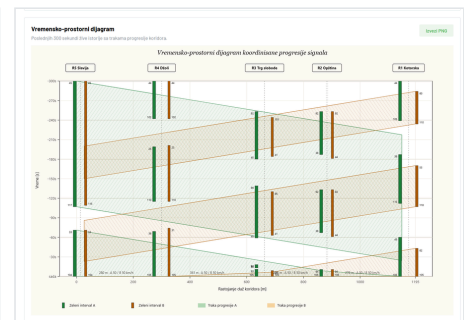
EXECUTION HISTORY

Signals and detectors over time; every second of controller operation is stored.



DETECTORS AND SIGNALS

Green-time distribution, number of detected vehicles and detector occupancy.



TIME-SPACE DIAGRAM

The green wave along a corridor, live or for a selected fixed-time or phase-based programme; programme offsets applied to active configurations after changes.

- ✓ Status changes – mode and programme through the day
- ✓ Controller faults – code, description and time
- ✓ Logs – system events and operator actions

- ✓ Communication – monthly analysis by day
- ✓ Traffic analytics – peak hour and occupancy
- ✓ Export – PNG charts and PDF reports