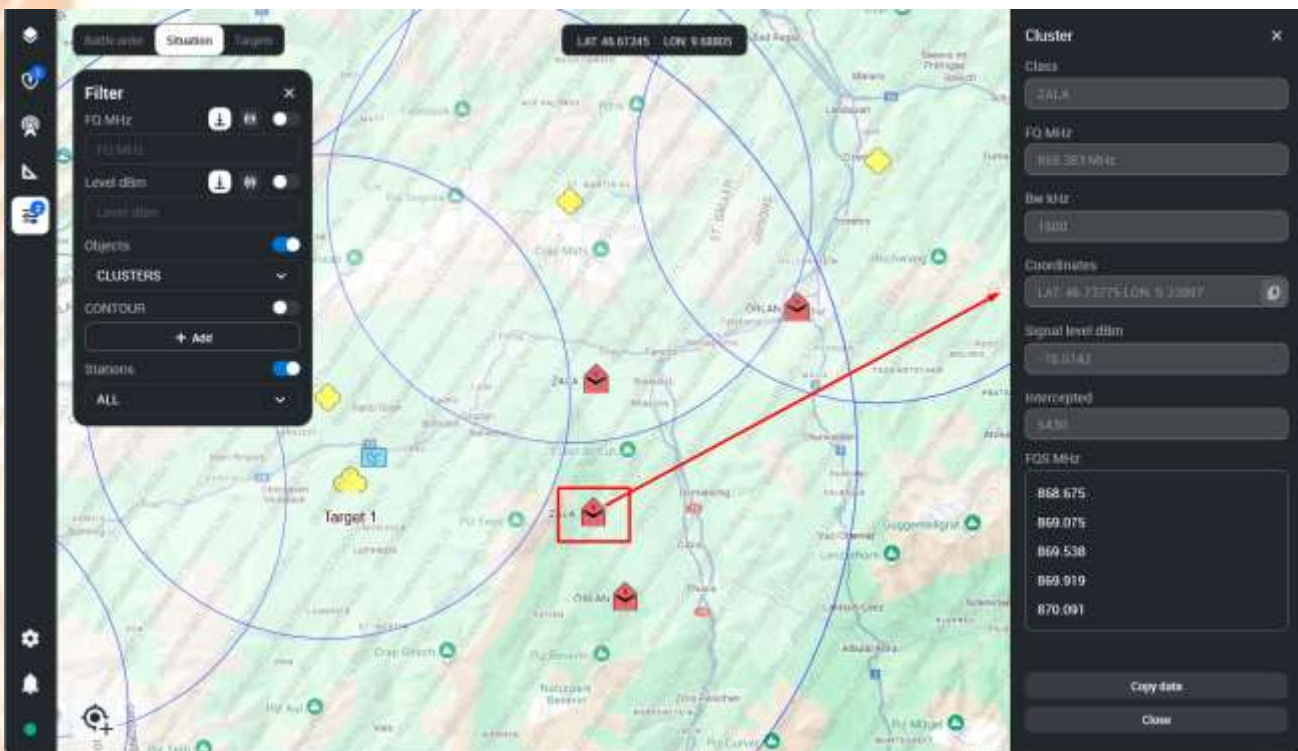


# ICS MONITORING

## MULTI-TASK SPECTRUM MONITORING SOFTWARE BASED ON A SERVICE ORIENTED PLATFORM

**ICS Monitoring** is a flexible, scalable solution enabling fully integrated spectrum monitoring and control within spectrum management systems. It's compatible with leading hardware monitoring equipment suppliers and allows the user to work with different hardware suppliers simultaneously. **ICS Monitoring** manages a variety of measurement data and features an automatic post-processing function for real-time data streams. It forms part of ATDI's spectrum management solution and is fully compatible with **ICS Manager (ATDI Spectrum Management Software)**.



**ICS Monitoring** can be used to assess spectrum use, monitor emissions and regulate the control of licenses. It performs tasks in accordance with radio regulations and verifies compliance with the frequency allocation conditions, frequency use and channel occupancy. **ICS Monitoring** can be used to perform interference case studies and search for unauthorised emissions.

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# REAL TIME



**Spectrum analysis**



**Direction finding**



**Alarming**



**Electronic Warfare Map**

Real-time measurements provide a direct interface to the device. Real-time mode performs instant tasks which are executed and analysed by a user in semi-real time. The list of supported by **ICS Monitoring SDRN Control RT** real-time measurements includes:

- observing and measuring spectrum signals
- performing direction finding on a signal
- setting alarms and observing their results
- recording of spectrum traces, including waterfalls and IQ streams
- classifying signals and targets, including UAVs
- managing signal white and blacklists
- localising (AoA/PDoA/TDoA methods) selected signals and viewing them on a map
- clustering (AI-based) direction-finding measurement data
- adding targets and sending the information for jamming of selected targets.

**ICS Monitoring SDRN Control RT** is optimised for fast detection, selection and decision making on the detected target in real time, and is designed to operate heterogenous spectrum measurement and EW networks from various suppliers.

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