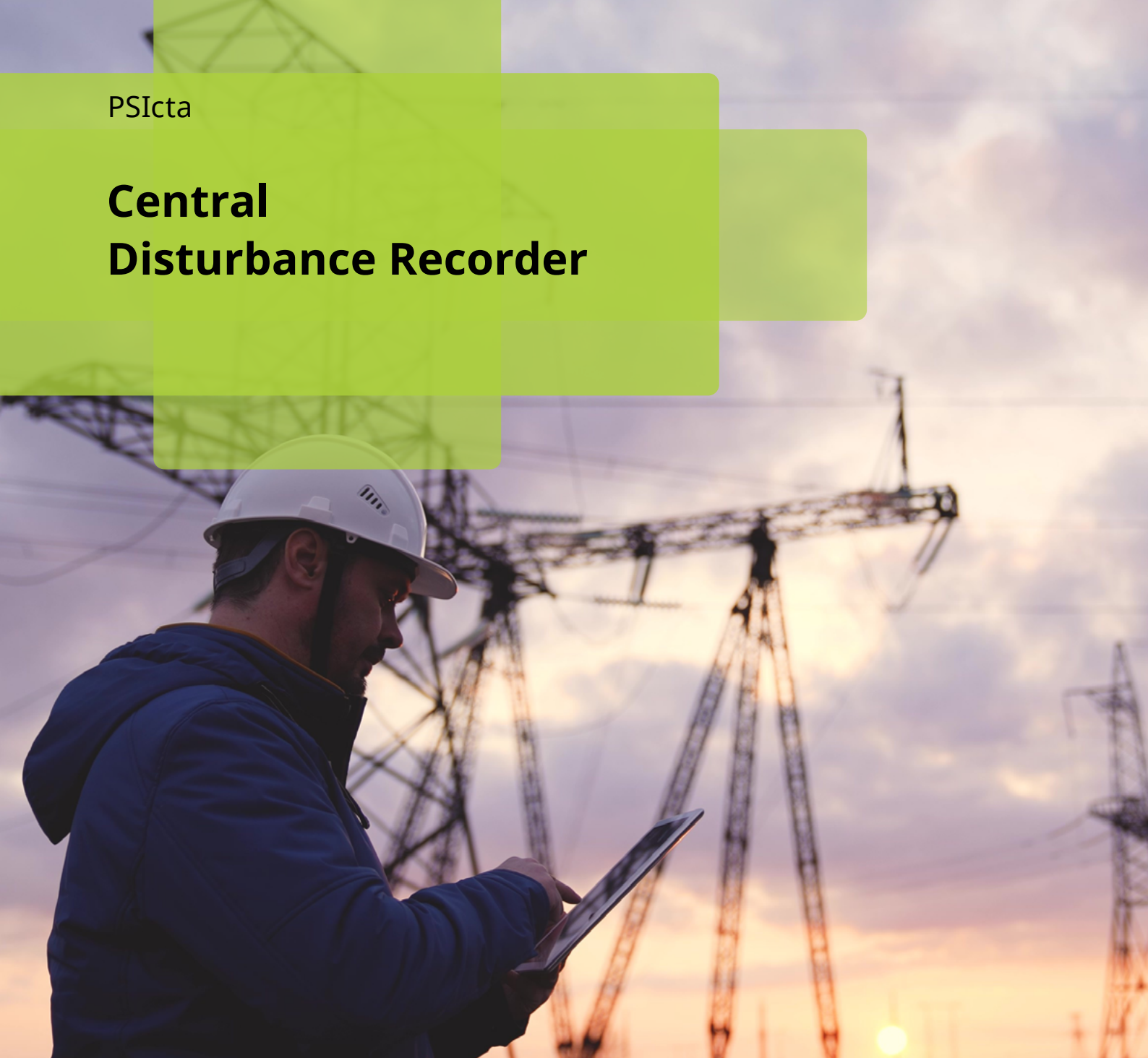PSIcta

Central
Disturbance Recorder

PSI

PSIcta is an innovative platform that continuously monitors faults recorded in the network, using digital power protection automation devices and other field devices, and archives them in a relational database.

Autonomous Central
Fault Recording System

All records created in internal power protection recorders or other devices at the facility are automatically sent to the system database (with time stamps assigned by the devices that are the source of the records).

Ongoing monitoring   +   **Clear visualization**   →   **Safe and reliable network operation**

+ Benefits

- ✓ A useful, user-friendly tool for specialists in protection automation.
- ✓ Compatibility with protection devices from different manufacturers.
- ✓ Controlled access to the relational database and multi-user access to the system.
- ✓ No overwriting of source files - tracking and monitoring.
- ✓ Data access: multi-level, import/export, selective.
- ✓ Automatic collection of all recordings from field devices (equipped with disturbance recording functions) in a single shared database.
- ✓ Extensive analysis and calculation capabilities on a common timeline (including effective value, harmonic distortion, second harmonics).
- ✓ Import of recording files and data from sources not connected to the system.

✔ Automatic reading of disturbance recordings from power protection devices and other devices generating COMTRADE files.

✔ Support for the analysis of event sequences occurring during disturbances at the facility (one timeline for all recorded events).

✔ Ability to assign custom names to individual signals.

✔ Comparison of individual waveforms in terms of value and time (offset).

✔ Presentation of the cause of the disturbance (so-called trigger).

✔ Detailed visualization of recorded analog and binary waveforms on a local workstation.

✔ Generation of indicator (vector) graphs.

✔ Ability to preview harmonics for individual graphs

✔ Assigning permissions to the database and application.

✔ Integration with engineering software dedicated to security management.

✔ Import and export of waveforms to COMTRADE format files.

Operation via a web interface

The PSIcta system is also available via a web interface and can work with any web browser. It allows unlimited use of the system's functionality without the need to install a dedicated client application on the workstation, while maintaining full security.

PSI