

ActiveMap: Digital Transformation for Energy Field Crews

From paper work orders to online control: reducing operational costs and increasing power grid reliability.



The Evolution of Field Operations



The Old Approach

Wasted Time: Work requests take a full 24 hours to be processed and formed into orders.

Blind Allocation: Dispatchers must manually call crews to determine availability and workload.

Lack of Control: Contractors manually fill out paper forms, making it impossible to verify true work quality or time spent.



The ActiveMap Approach

Instant Transfer: Tasks are sent directly to employees' mobile devices with zero paperwork.

Smart Routing: System automatically assigns tasks to the closest and least busy specialist.

100% Transparency: Real-time manager oversight via mandatory photo-verification, exact geotags, and live reporting.

Complete Field Control from a Single Hub



Asset Passportization & Geomonitoring

- Visual mapping of all objects (power lines, substations, metering nodes) on one interactive map.
- Instant on-site access to technical documentation and maintenance history.



Planned MRO Automation

- Automated generation of highly accurate maintenance and repair schedules.
- Real-time digital control of regulation compliance using interactive checklists.



Emergency Response

- Instant task assignment to the closest available crew during live incidents.
- Mandatory photo and video verification of recovery results, stamped with precise time and geodata.

Proven Operational Efficiency

50-70%

Reduction in time required to process, assign, and verify completed field work.

3-4x

Decrease in operational costs associated with dispatching and field logistics.

40%

Increase in overall work quality driven by strict digital labor discipline.



Trusted by Industry Leaders at Scale



PJSC Quadra

Daily operation, inspection, and verification of complex thermal network facilities.

Processing over 500 tasks daily.



JSC Grid Company

Comprehensive property inventory and creation of a highly accurate internal GIS-underlay.



Holding Shvabe

Construction and ongoing maintenance of all-weather metering devices.

Managing over 10,000 digital objects.

Comprehensive Business Value



Operational Speed

Instant task distribution to mobile crews without time delays.



Cost Optimization

Multiplicative reduction in dispatcher workload and field group logistics costs.



Total Online Control

Comprehensive real-time tracking of task stages and specialized machinery movement.



Strict Labor Discipline

Elimination of falsification through mandatory photo-fixation and absolute geo-control.



Accident Reduction

Proactive transition to qualitative preventive maintenance and condition-based repairs.



Automated Reporting

Instant generation of highly reliable statistics on workforce efficiency and contractor performance.