

Monitoring and Reporting for TETRA Professional Network

Globberry R-Mon solution helped to improve the efficiency of network resources management and enabled informed decision making by providing structured data about the network

Customer

The leading oil and gas company in Kazakhstan, a joint venture of the Kazakhstan government and a consortium of international oil companies.

System Integrator



Tetra is the leading supplier of radio communications, security and surveillance solutions in Kazakhstan.

Challenges

1

Inefficient use of available resources (stations and equipment)

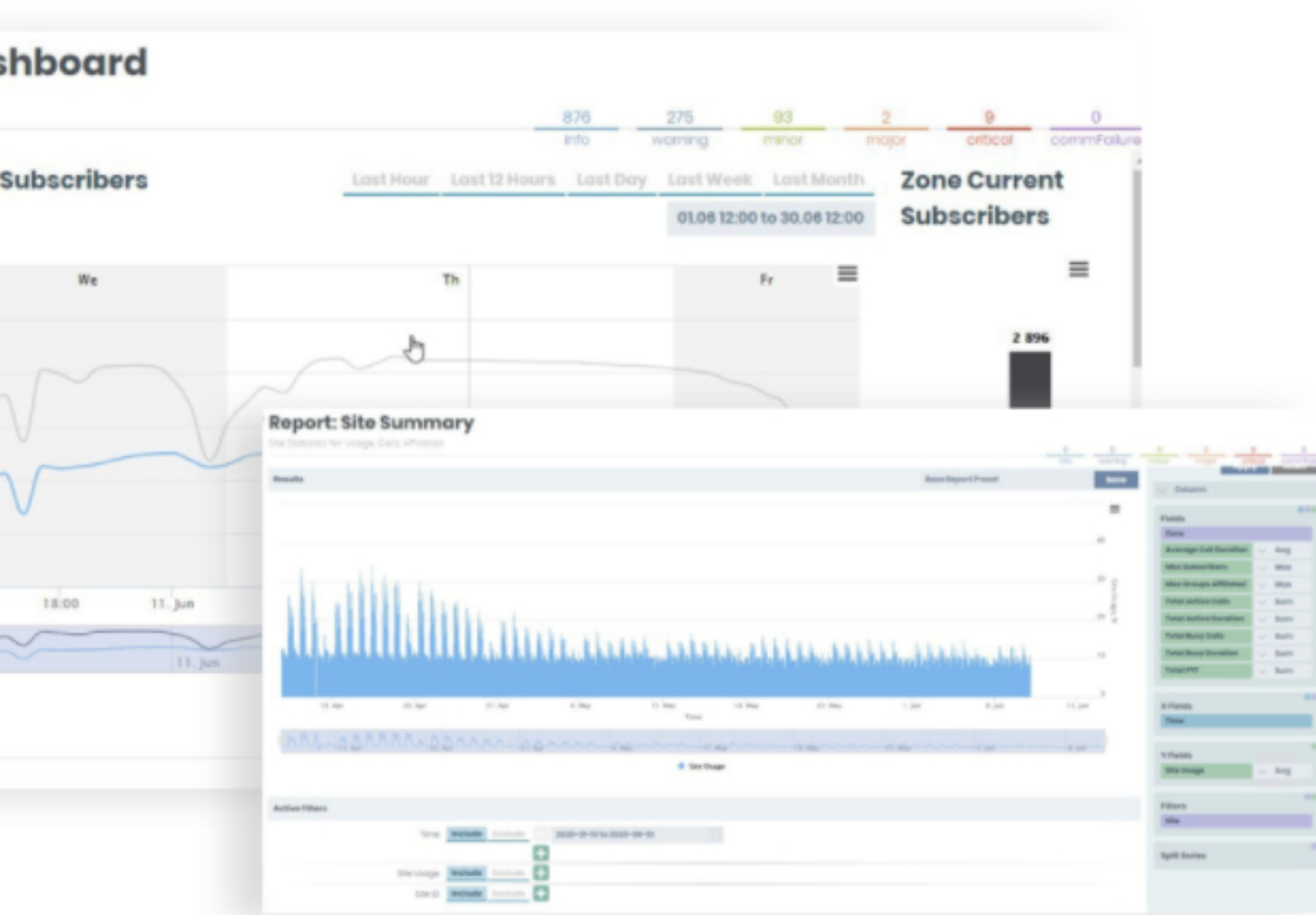
2

Lack of data about the network for reporting and decision making

3

Laborious and complicated report preparation for the operations team

Project Highlights



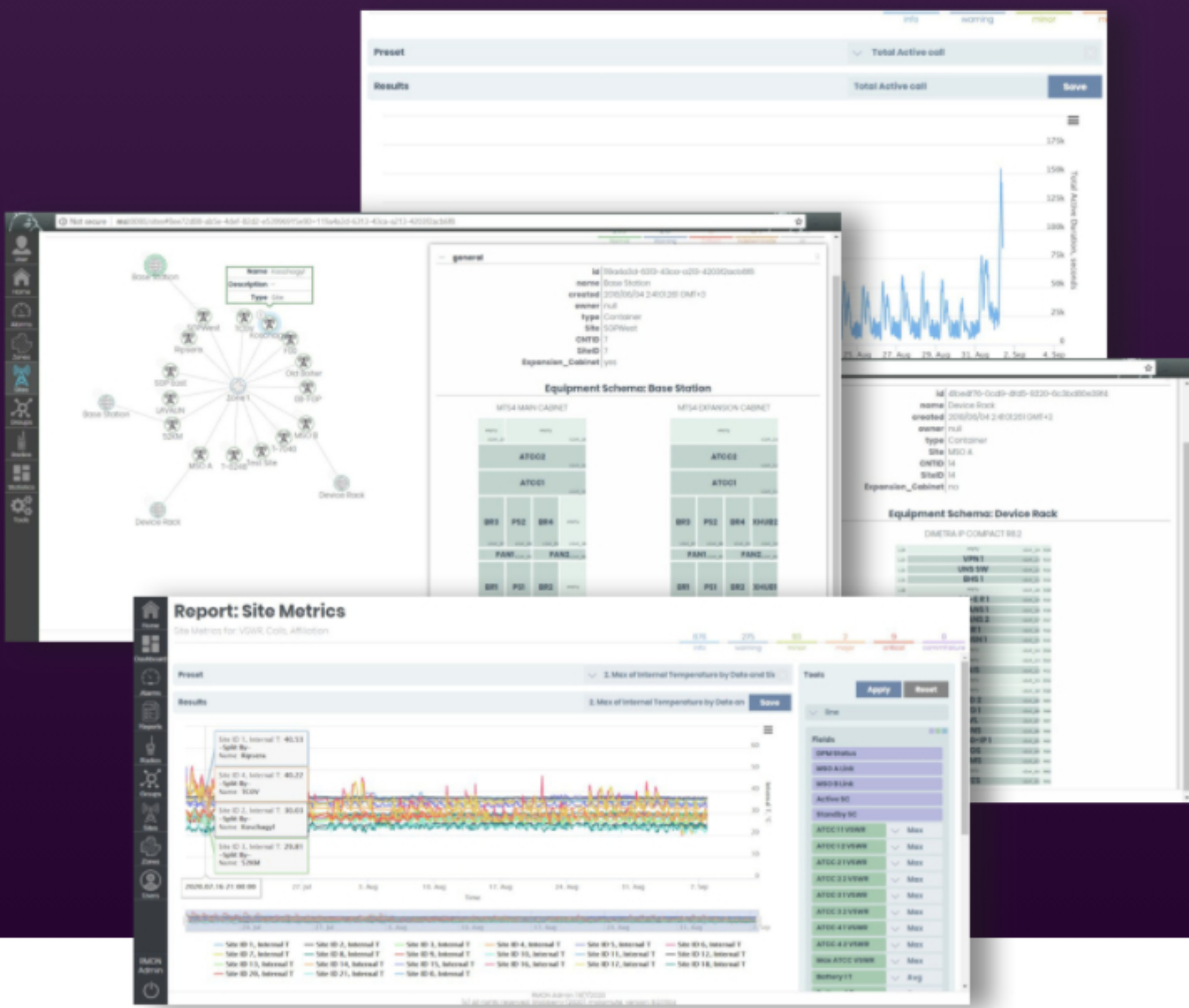
The project was conducted in an agile manner with quick feedback from the stakeholders. As a result, all the customer requirements were implemented and the customer received the system with richer functionality than initially envisioned.

Solution

The offered solution is based on **Globberry R-Monitoring**, a product for real-time utilization and subscriber activity monitoring for converged, multi-technology access networks.

Besides real-time utilization and alarms monitoring, the solution gives visibility of different facets of radio network maintenance. R-mon includes **historical reporting** and **reports constructor** for the creation of user-specific pivot reports.

In order to achieve performance in processing huge amounts of data, R-mon utilizes Apache Druid as a Big Data engine, Apache Kafka as the messaging bus and Prometheus for solution monitoring.



Results

- Visibility of network load enabling informed network planning process
- The operational team don't spend time on report preparation
- More efficient allocation of expensive stations bases on real usage
- Identification of stations not used or lost



More than 12 000
Number of subscriber terminals



> 1 million
Events per hour