Implementation of tMap app in EWE Energia sp. z o.o.

EWE Polska is an multipower company with 17 years of experience on the Polish energy market. The main activity of the company is delivery and sale of natural gas to companies and individual clients. Currently, the company operates in Poland, with a particular emphasis on its western part.

EWE Energia has been using the tMap application since the end of 2015. The application allows to improve field work and helps to maintain the infrastructure of the gas network.

**tMap’s goals**

**Goal: Finding the points of gas connection**

With the Quick Search tool in the tMap application, each field worker can enter the address of the facility where a fault has occurred, quickly find the corresponding points of connection and display them on the map. This makes locating the failure easier, to plan recovery action and speeds up transport to the place.

**Goal: Increasing the efficiency of working with a map, efficient locating in the area**

The tMap application enabled the transfer of paper maps on tablet screens and allowed to work comfortably with the devices in the field. In order to facilitate the identification of individual objects on the map, they were given the right display style and assigned labels. With the support for the GPS module, a tMap user can determine his location and display the information he needs. Another advantage is the extensive description, attached to the object in the form of a table of attributes.

**Goal: Precise search for the position of the gas valve while inspecting the gas network. Searching differences between the situation in the field and current maps**

The tMap application allows a user to use both built-in GPS receivers on field tablets and precise external GNSS antennas. With the Lead to the points function, it is possible to determine the distance and azimuth separating a tMap user from the searched object. A user is navigated to the point, function bases on his current position. GPS support allows also to measure objects in the field (updated information on the map). New objects are stored in the form of vector layers which allows a user to add a description in the attribute table.
Goal: Improving group work, good communication and data transfer

The EWE Energy uses a model of tMap - work with projects. The coordinator is responsible for the creation of the project, which then is shared with field workers. During the creation of the project the following are determined:

- background maps - for working in the field
- symbolization of individual maps
- ready-made measurement layers
- searching parameters - in the quick search box

The field worker has the ability to use the project without going into the technical details of the application.

How does it work?

tMap is intuitive and easy to use. Thanks to our simple interface, you will get accustomed with the application features in no time.

How did the employees react to this solution?

For the employees, the implementation of the tMap application was a step in the correct direction, and a technological novelty. They all praised its simplicity, and how it boosted their work efficiency.

Benefits

- Easy localisation in the field by using maps and the GPS module from the tMap application, shortens the reaction time in the case of gas pipeline failure. It directly boosts the effectiveness of services provided by EWE.
- tMap allows for accurate locating of gas infrastructure (including the underground elements), thus reducing the workload, and lowering the cost of network maintenance.
- The module, which enables working with tMap projects, improves the communication between office and field employees.