



## Pražská teplařenská, a.s. – GIS Mobile Client

GIS Mobile Client Delivery to Support Checking and Photo Documentation of Underground Buildings (Shafts)



### Success story

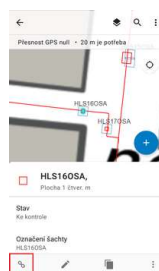
The delivery included the GIS mobile app implemented in the standard Esri Collector application, customised to the customer's specifications.

The application is designed to perform and document checks on underground buildings (shafts) owned by PT, to verify selected attributes, and to produce photo documentation of engineering parts and installed steel constructions.

The application consists of two parts:

- A mobile client to review attribute data of shafts registered with the GIS in the field and to collect photos of the shaft environment – associated with the shaft. Also, it can be used to plot a new shaft (if it is missing from the GIS).
- A widget in the GIS thin client environment, used to schedule checks, i.e. to define and assign maintenance areas to specific workers. Also, to evaluate the checks by means of reporting and data outputs, providing inputs for other associated activities.

The mobile client runs on Android devices and can use GPS for localisation. The application allows you to work from shafts, offline, with no connection to the mobile data network. The other part of the application, designed for review planning and evaluation, was implemented in the WebAppBuilder environment and added to the GIS web client as a stand-alone widget.



#### Statement of a Representative of Pražská teplařenská, a.s.

The productivity of our field workers has increased dramatically. Once they started using the mobile application, the data necessary for efficient repair planning and spending has become more accurate and up to date, leading to considerable financial savings. This state-of-the-art solution was deployed within a record-breaking time of three months. We are very happy.

In Prague, on September 15, 2020.

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**Schmied Stanislav Mgr., Vedoucí odboru informační technologie, Pražská teplařenská a.s.**



When it comes to the number of operated facilities, Pražská teplařenská ranks among the largest heating plant operators in the Czech Republic. It supplies heat to over 230 thousand households and dozens of office buildings, industrial enterprises, and educational and health facilities. Its hot water pipelines span over 650 km.