**Organization:**

T-Mobile Czech Republic a.s.

**Organization Address:**

Tomíčkova 2144/1

Praha 4, 148 00

CZECH REPUBLIC

**Map Author(s):**

Jan Bartoš

**Contact Information:**

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**Software Used (version):**

**ArcGIS for Desktop (10.3)**

**ArcGIS Pro (1.2)**

**ArcGIS for Server (10.3)**

**ArcGIS API for Javascript**

**ArcGIS API for Silverlight**

**Data Source(s):**

AG Pro:

Vector data – T-Mobile

Raster data – T-Mobile

3D terrain mode l– State Administration of Land Surveying and Cadastre (ČÚZK)

Raster basemap – ESRI

AM:

Vektor data– T-Mobile

Raster basemap – State Administration of Land Surveying and Cadastre (ČÚZK)

LK1:

Vektorová data– T-Mobile

Raster data – ESRI topographic basemap

LK2:

Vektor data – T-Mobile

Raster data – Prague Institute of Planning and Development (IPR)

**Description**

**GIS in T-Mobile Czech Republic - Example of projects**

A collection of images illustrates the diverse use of GIS throughout the company. Organization is viewing the data in thin clients and also they are working on advanced projects in desktop clients and also they are making lots of analysis and visualization in 2D and 3D environment.

Examples:

ArcGIS Pro – 3D map scene displays strength and spread of signal LTE 800 MHz, there are all base transceiver station displayed. For visualization is used digital terrain model from State Administration of Land Surveying and Cadastre (web service). Basemap is Esri Topographic Map. In scene could be is visible dependence of the terrain and the spread of the signal as well as the direction of antenna.

ArcMap –

The picture of map document which is used for network planning. There are displayed GSM transmitters with directions of antenna and surroundings area to each transmitter with different colors according to which LAC areas they belong to.

Thin client 1 – Thin client is displaying microwave and WDM lines and different areas. Base map is Esri topographic. App is using for quick situation overview.

Thin client 2 – Picture is displaying distribution cable network and important point locations. As the basemap is used technical area utilization map from Prague Institute of Planning and Development**.**

**Credit Lines:**

T-Mobile Czech Republic a.s.