



The Cadastral and Parcel Mapping Experts

2018: CAD to GIS Data Cleanse and Spatial Viewer Web Map



Challenge

The Federation represents over 123,000 customers in Rural Alberta through a system of 52 local natural gas distribution co-operatives, six (6) Counties, 16 Towns and Villages, and seven (7) First Nations systems. This system has over 134,000 kilometers of pipe in the ground.

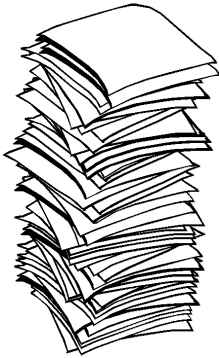
Changing requirements and standards have led to inconsistencies in The Federation's spatial data. The current data is not spatially accurate or complete enough; nor is it in GIS format.

Solution

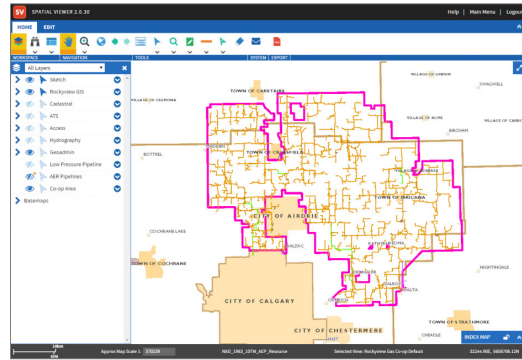
MNC performed a data cleanse of all gas line pipelines, underground infrastructure and above ground infrastructure, and created a fully connected, GIS-ready mapping model, using Esri (ArcGIS) software.

Editing and data maintenance was also made available through the deployment of Spatial Viewer; a web mapping application with robust built-in capabilities such as data visualization, editing, data uploads and the ability to create PDF map outputs.

4,300 CAD files



GIS data for 134,000 kilometers of pipe in the ground



Result

Their data is now current, accurate and fully connected in a GIS format that is easily accessible for their team through the Spatial Viewer a web mapping application with robust built-in capabilities such as data visualization, editing, data uploads and the ability to create PDF map outputs.

- Consistent attributes
- Connected gas lines
- Topologically clean
- No dangles
- Valid domains
- Crossings placed on gas lines
- Cap symbols places on gas lines



About MNC

MNC is the expert in the compilation and maintenance of cadastral and parcel mapping. Providing clients with practical and innovative data collection, mapping and geomatics solutions related to surveyed land information.

