Data and Deliverables from PLS-GRID

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PLS-GRID Enterprise Application

The PLS-GRID Enterprise Application consists of three separate PLS applications.

- PLS-GRID Server – Stores, manages, organizes PLS projects
- PLS-GRID Desktop Client – PLS-GRID Server access through PLS software
- PLS-GRID Web Client – PLS-GRID Server access through internet browser

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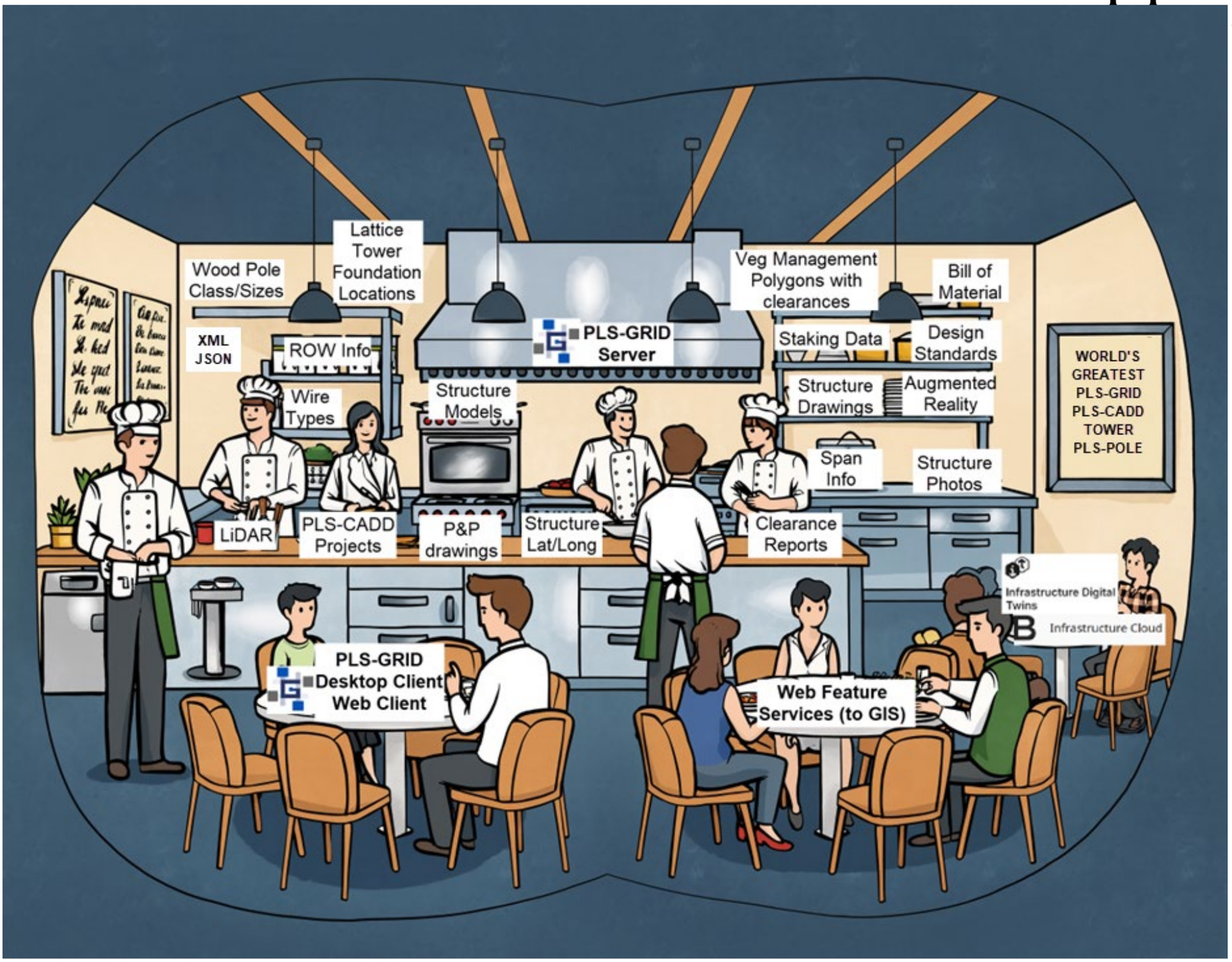
PLS-GRID Server Application



*The **PLS-GRID Server application** functions like a top-tier restaurant kitchen for PLS projects, quietly working in the background to handle incoming requests and serve results quality product in an efficient way to many users.*

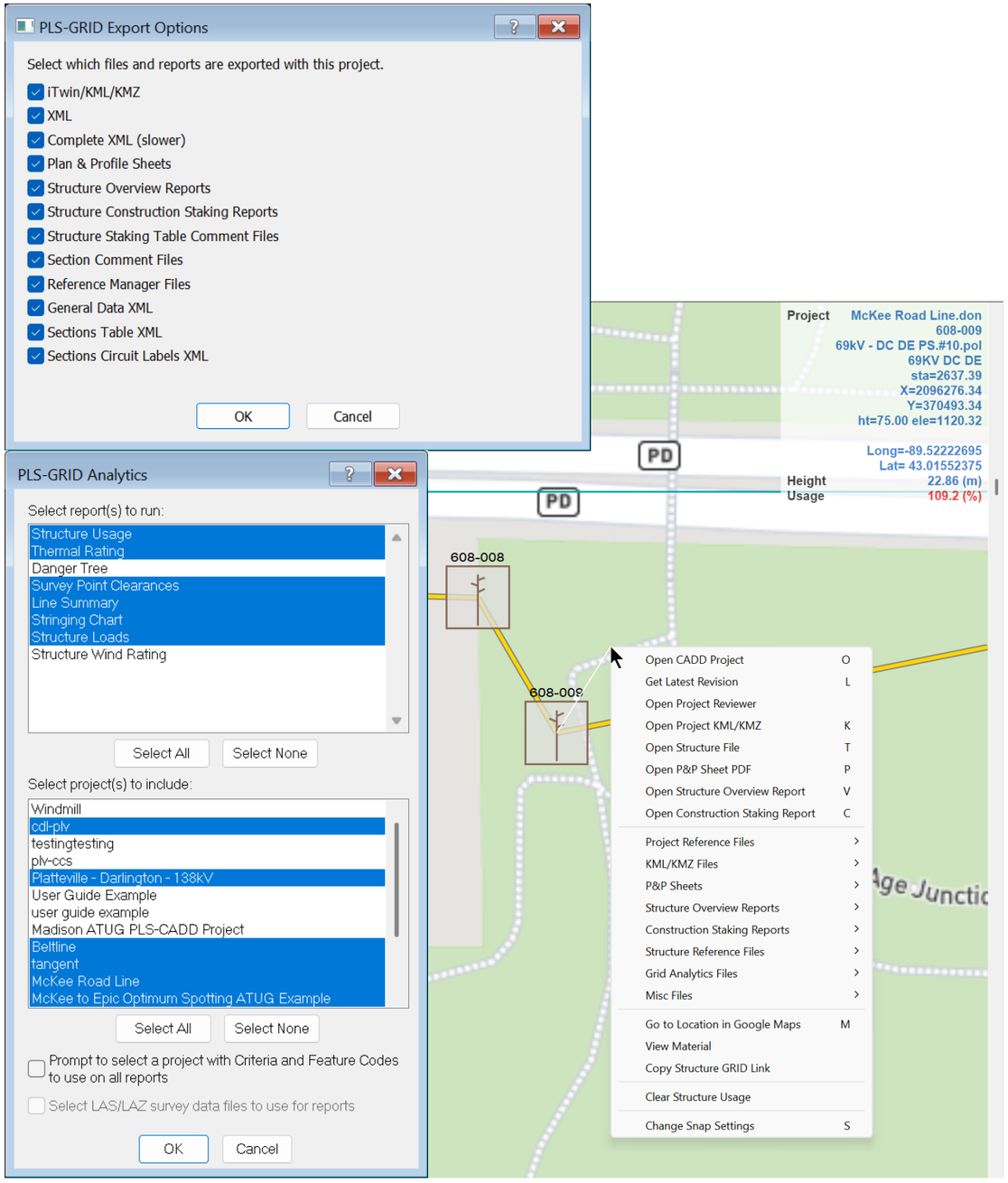
Customers of PLS-GRID content:

- PLS-GRID Desktop Client
  - PLS software users
- PLS-GRID Web Client
  - PLS software users
  - Construction crews
  - Project managers
  - Utility real estate personnel
  - Planning department
  - Third party apps
  - IT
  - AI
- Bentley Infrastructure Cloud
  - Bentley software users
- Web Feature Services (WFS)
  - Third party apps
  - GIS

PLS-GRID Desktop Client (DC)

- PLS-GRID DC is run in PLS software
- PLS-GRID DC creates content from PLS-CADD models on the PLS-GRID Server

- **<u>Export capabilities exclusive to PLS-GRID:</u>**
- PLS-GRID Analytics = Multi-Project reporting
- Files from Reference Manager in PLS-CADD
- Construction documents created in PLS-CADD
- Engineering reports
- Project XMLs (or json)
- Data/files from Structure and Section comments
- Material from PLS-CADD project
- Automatically package up specified exports
- Access to data uploaded from field

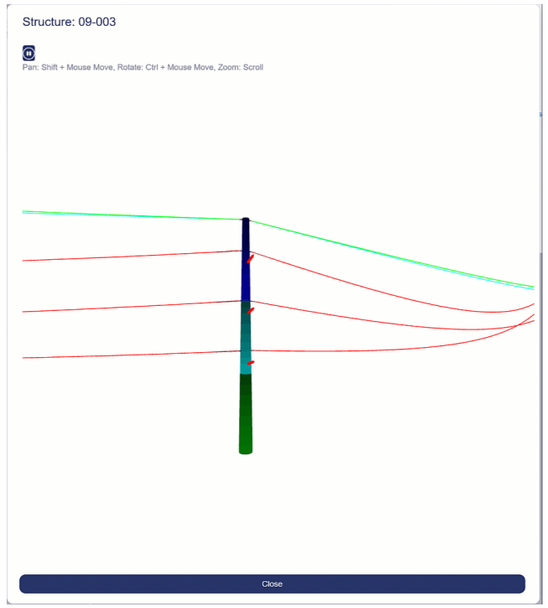


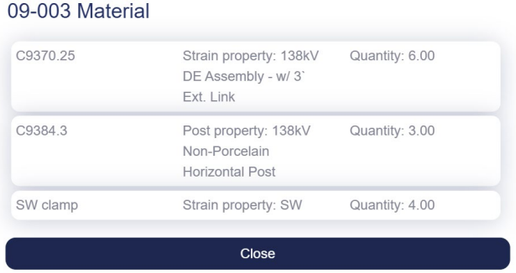
PLS-GRID Web Client

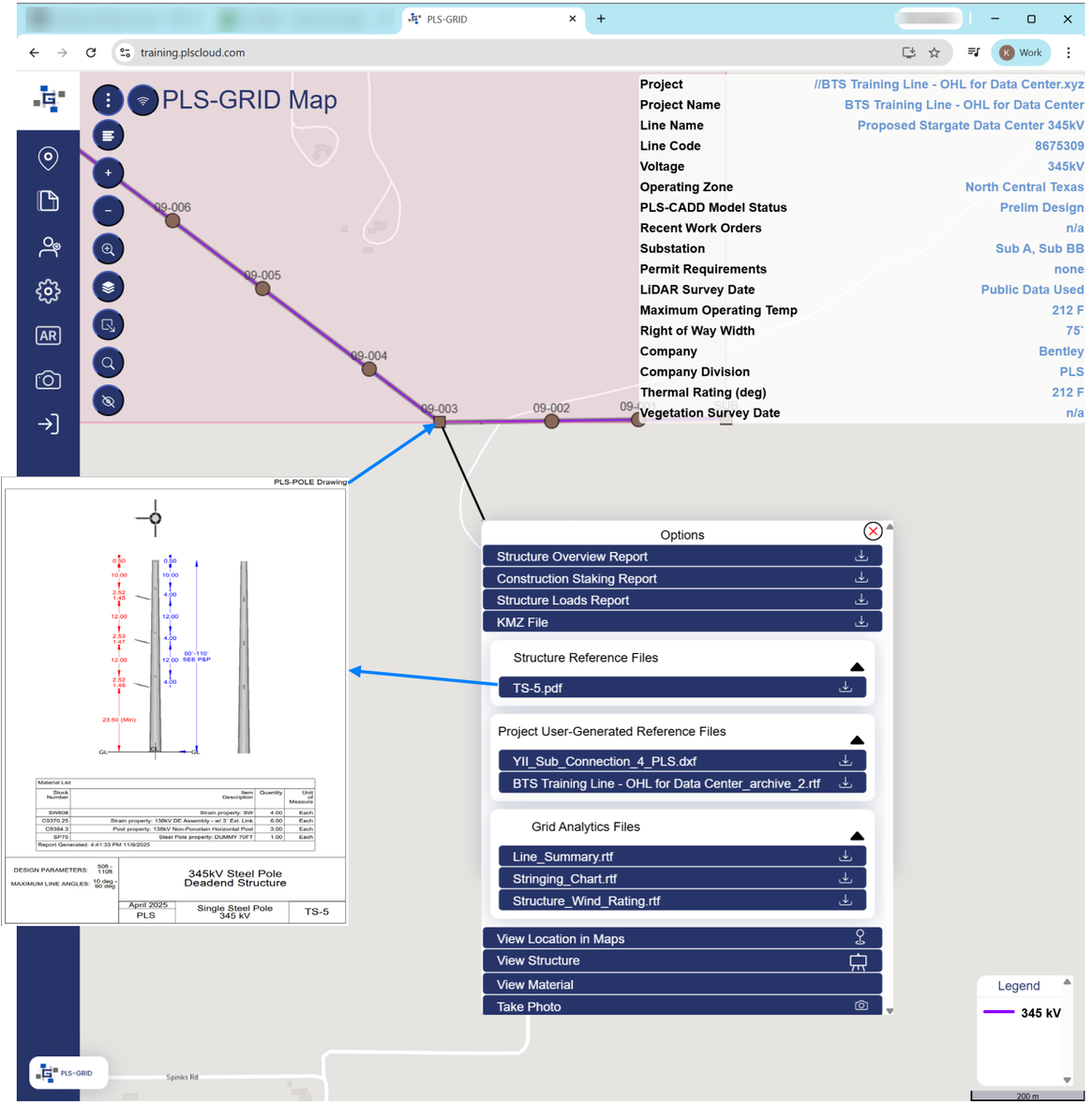
PLS-GRID Web Client

- Run in an internet browser
- Map View
- Project data and references
- Construction documents
- Offline mode option
- User location, directions
- Upload pic, vid, file to PLS-GRID
- Querry/Reporting on Project Data
- Bill of Material
- Structure Photos
- Augmented Reality

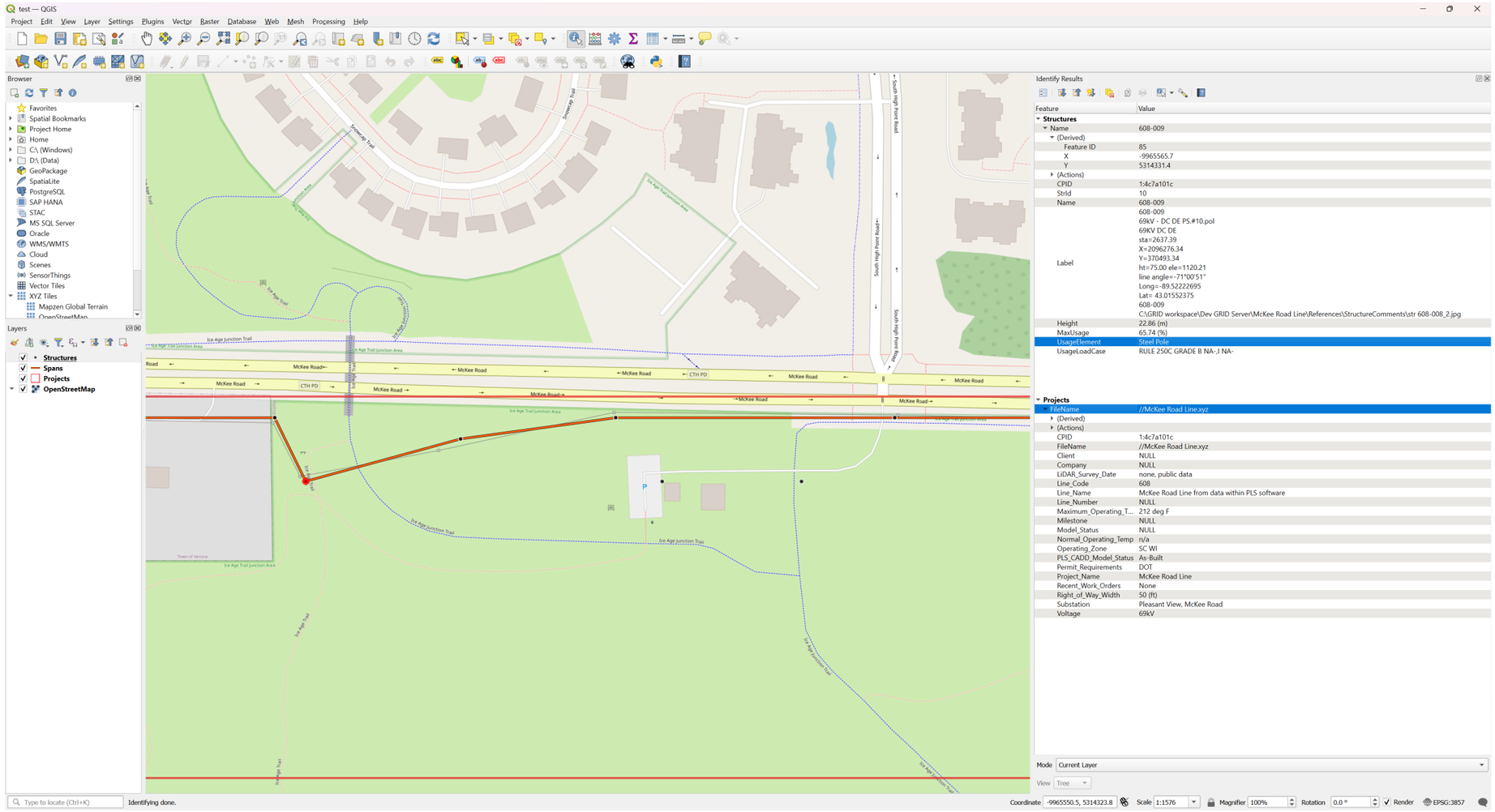
**Read Only. No access to actual PLS projects*







Web Feature Services



Web Feature Service

PLS-GRID Server can by configured to be queried by other applications that use Web Feature Service

2D Layers w/ data for Project, Structure, Spans

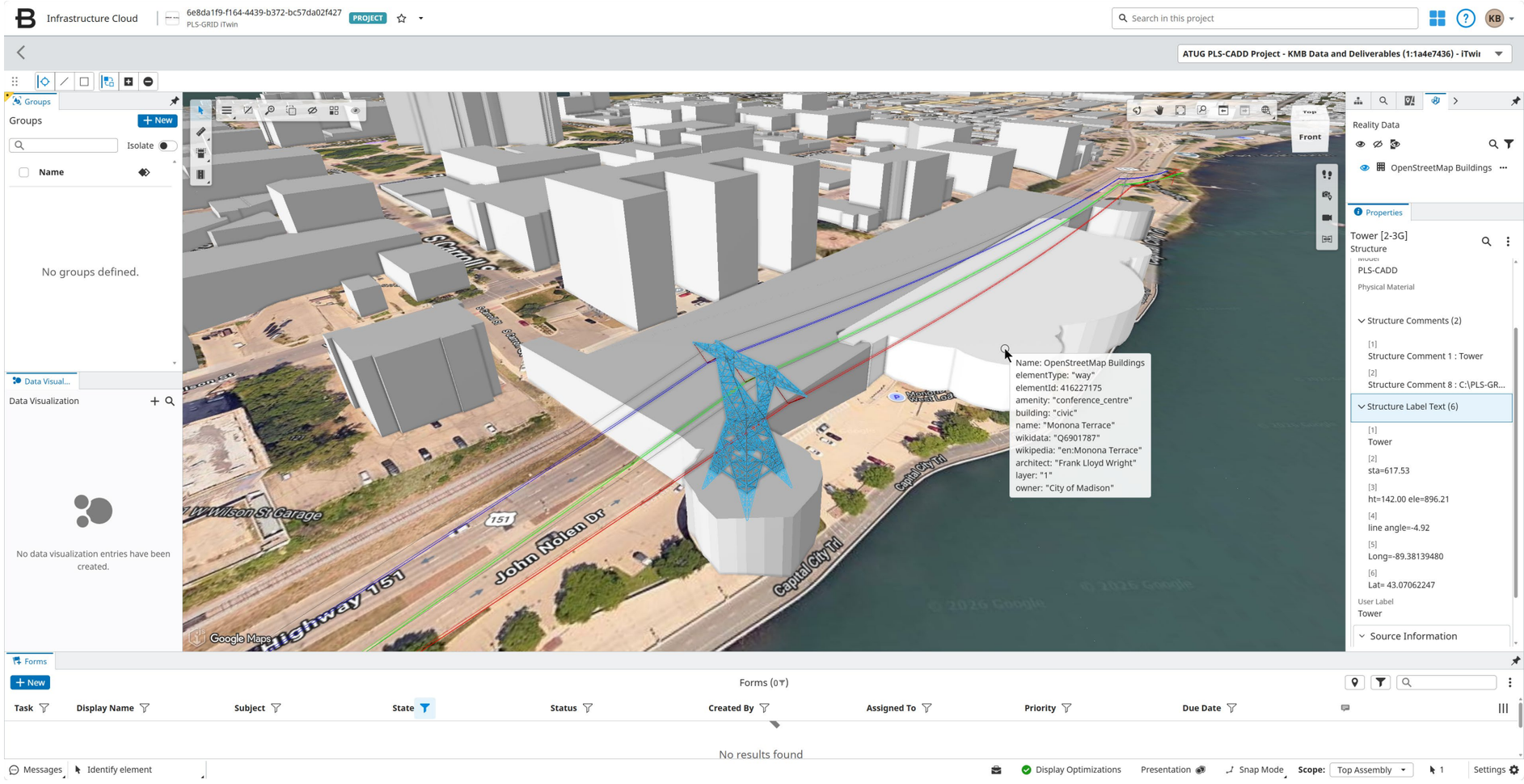
PLS Video Showcasing this topic:

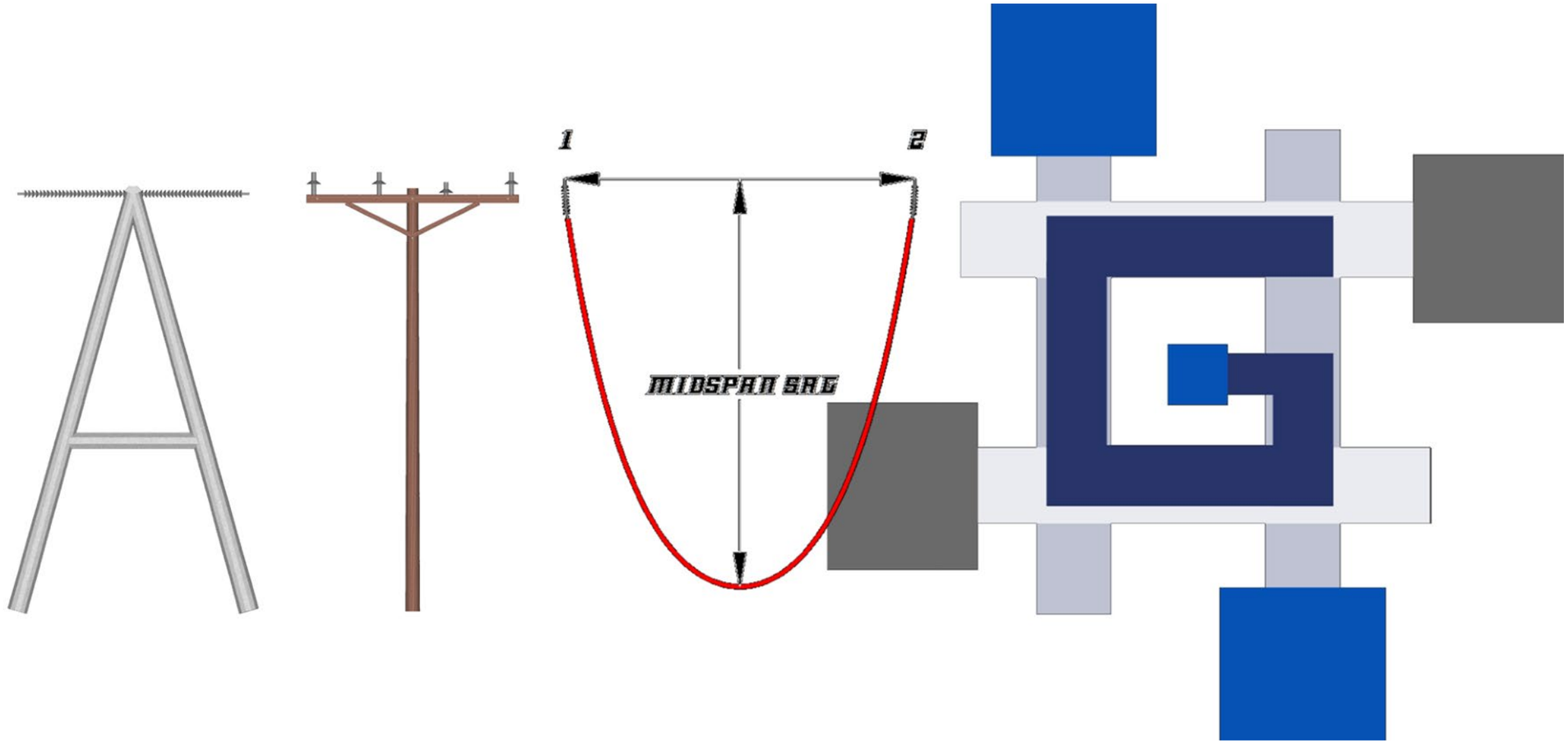
https://www.youtube.com/watch?v=0Sasz2rGTdA

PLS-GRID sync with Bentley Infrastructure Cloud

Bentley Infrastructure Cloud:

- iModels created from PLS-GRID
- iModel for each PLS-CADD project
- 3D Line Geometry
- Structure & Section Data





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