

Power Lines

With more than 20 years of experience, **TTYC** professionals have specialized themselves in giving all kind of engineering services related to the energetic sector, and specially, with high energy electrical aerial lines of distribution and transport. This includes from the previous study or lace of the line and the surveying, up to the final project of execution. Nowadays, joining the advantages that **LIDAR** surveying offers and the use of the **PLS-CADD** and **Tower** software, **TTYC** offers a high quality product adapted to our clients needs, including the principal electric energy companies in Spain. In full international expansion process, **TTYC** has the experience in developing important projects in Europe, Africa and Australia.

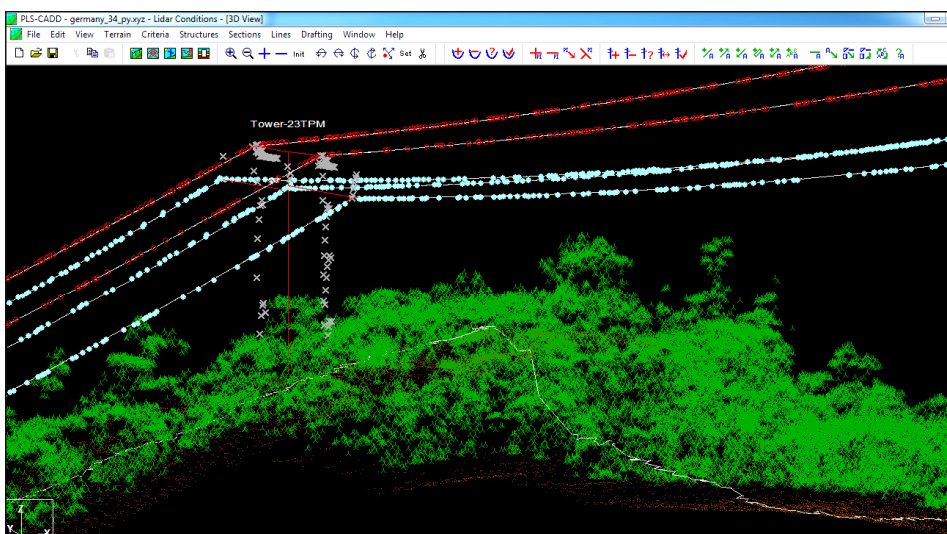
*Over 8000 km of
power lines developed
with PLS-CADD
behind us*

LiDAR & PLS-CADD

From **LiDAR** data classified or unclassified, **TTYC** uses **PLS-CADD** for modeling existing towers and cables to represent a line model as real as possible. From this model, and always using **PLS-CADD**, different hypotheses are studied to calculate distances and behavior of the line, according to our clients needs.

Supporting scanner

Using a terrestrial scanner, **TTYC** get a 3D model of existing supports. We process this model using **Tower** software. The use of this technology allows us to obtain a supporting model without downloading the line or work at heights.



Over Head Line modeling with PLS-CADD from LiDAR topography.

Over Head Lines Maintenance

- Existing Over Head Lines modeling
- Clearances to ground, buildings, etc...
- Vegetation Management
- Line study at different conditions