

“I want to get more value from the data that we already possess”

Transmission team leverages Sensat’s visualisation platform to support virtual siting study and option selection for substation upgrades.



Above Substation designs visualised over LiDAR data.

//

We went from five options down to two clear frontrunners in a single meeting using the contextual data made available by Sensat. We could identify the hazards and constraints very quickly.

Connections Engineer, One of Europe’s largest transmission owners

//

Challenge

I want to get more value from the data that we already possess

A UK energy transmission team need to conduct a siting study for a new substation. The transmission team has vast amounts of information available to support their projects however, this information is:

- Stored in different platforms which require specific licensing.
- Held in various formats, including PDFs and on paper maps.
- Managed by other teams.

On top of that, the team possesses excellent LiDAR data but struggles to access and view it. In response, the transmission owner sought a solution to open access to their information earlier to meet their deadlines.

Solution

In an options selection meeting the team

**Eliminated
3 options in
25 minutes**

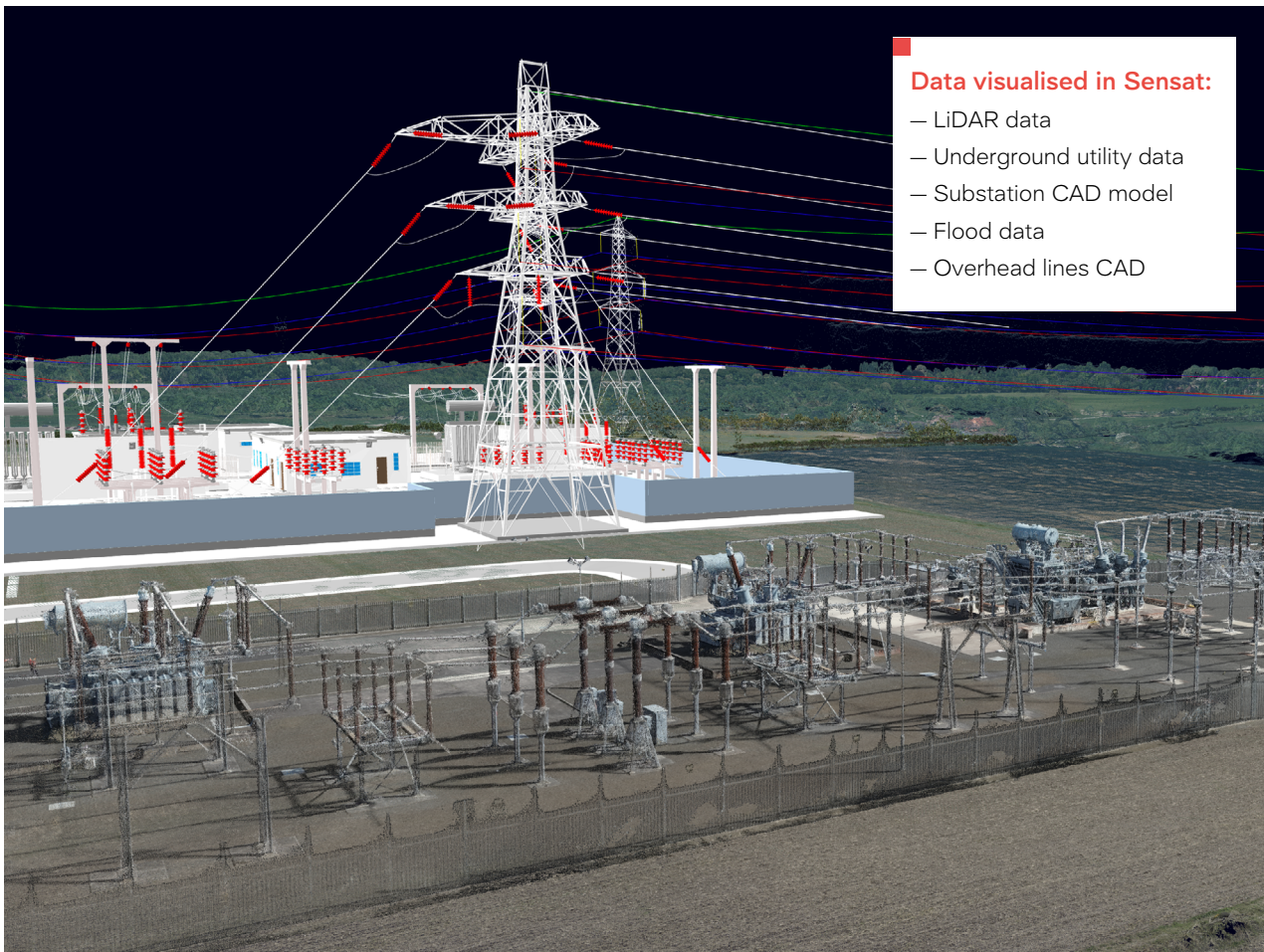
which would normally
take 2.5 hours

Easily understand how site constraints affect your options

Sensat's single platform enables teams to visualise and access all of their helpful 2D and 3D data in the context of reality. By visualising these data sets together, teams can bridge understandings of previously disparate data sets earlier on in the process. Instead of overhauling existing software, users from different teams can complement their systems thanks to Sensat's extensive file type acceptance.

Using Sensat, the transmission team is getting more value and usage from the data sets that they already have. This complete project view informs decision-making during siting studies, highlighting constraints that wouldn't be visible during a site walk. Teams more efficiently conduct siting studies from their desktop to analyse the viability of designs on the area.

Below: Substation designs visualised over the teams LiDAR data.



Get in touch