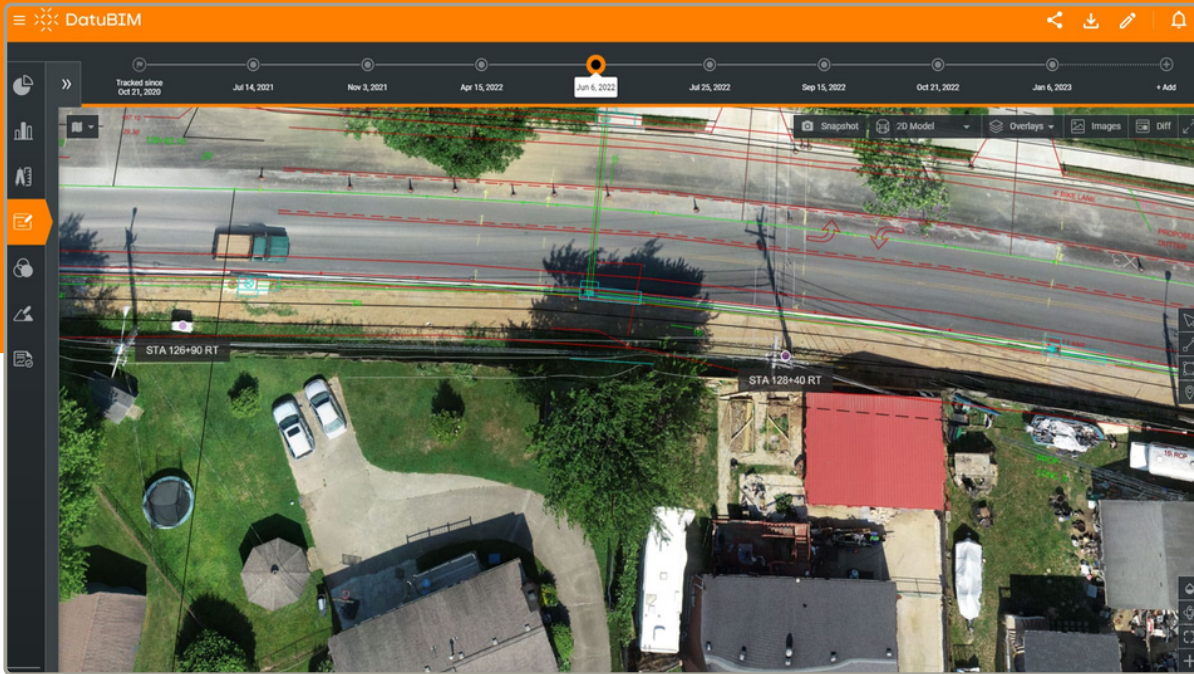
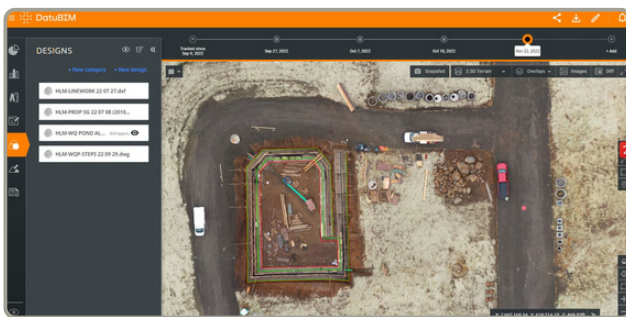


Use case

# Streamline pre-construction through design evaluation and validation



## Use drone mapping and photogrammetry to replicate your site and future-proof your projects

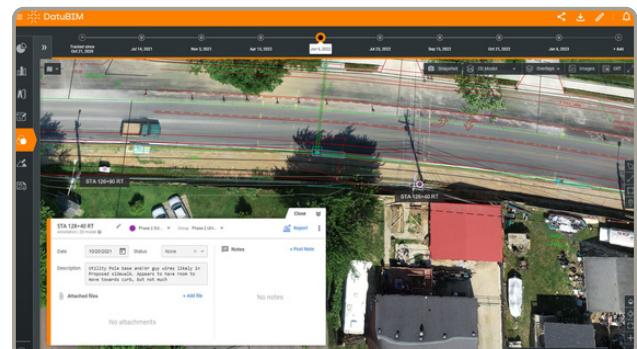


### Streamline and optimize design and planning

Identify potential design flaws or inefficiencies early on to prevent modifications during the construction phase and costly rework. Save both time and money and maximize overall project profitability for all stakeholders involved.

### Collaborate on design and improve transparency

Create an accurate replica of site conditions and a single source of truth for designers, engineers, and other stakeholders. With enhanced communication and a shared platform for design evaluation and validation, team members can work together more effectively, leading to better coordination, fewer misunderstandings, and improved project outcomes.





## Enhance quality and accuracy and minimize risk

Ensure higher quality and accuracy, identify and mitigate potential risks, evaluate alternative approaches, and implement necessary mitigation strategies before construction begins. This proactive approach reduces the likelihood of costly errors, project delays, and safety hazards – enhancing overall project success and reducing risk exposure.

## Example

### Background

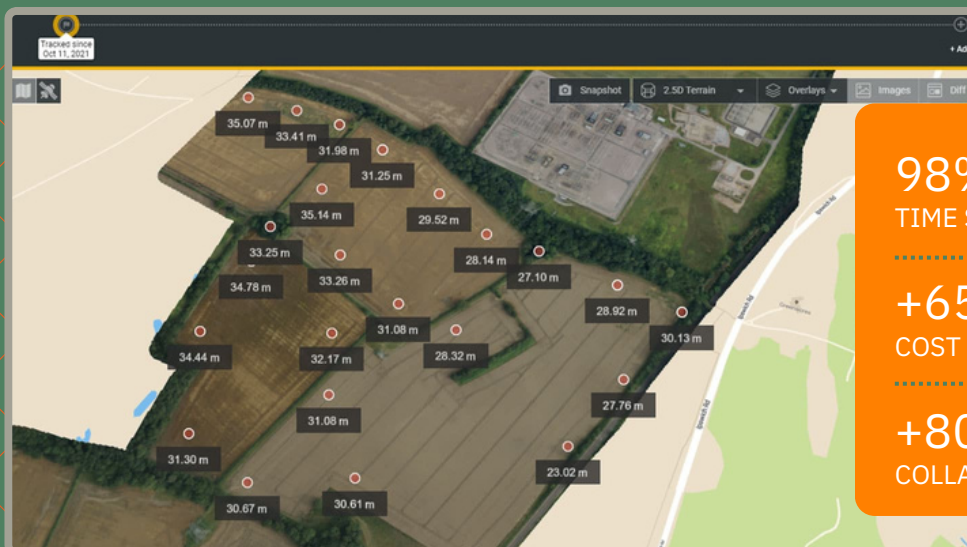
- The design and planning of underground power transmission cables offers multiple advantages but also comes with some challenges
- These include the need to coordinate with multiple stakeholders to prevent any conflicts and objections prior to construction
- A UK-based contractor used DatuBIM to overcome these challenges during the design phase of a new 60-km long underground cable system in a large green energy power transmission project

### Solution

- During the design phase of the project, the general contractor used DatuBIM to overlay and compare design files from different stakeholders with the actual conditions
- This enabled the general contractor to identify potential issues and deviations, share them with all stakeholders and update the design accordingly before construction began

### Added value

- The digital approach to data capture, analysis, visualization and reporting enabled the team to more easily define construction boundary limits for the planning application during the design phase
- It also enabled more collaboration by giving multiple users from both the contractor and the owner access to a single source of truth from different locations and time zones



**98%**  
TIME SAVINGS

**+65%**  
COST SAVINGS

**+80%**  
COLLABORATION