

Plant Viewer

THE PROBLEM

Your 3D Models, Accessible to Everyone. No Licenses Needed

Models created in a variety of 3D systems are locked behind expensive desktop software licences. Project stakeholders — including clients, contractors and site teams — must either wait for screen-share sessions or work from static screenshots that lose all spatial context. Connecting to existing systems such as document management systems, Excel data, live IoT sensors and maintenance records is a difficult problem to solve.

HOW IT WORKS

Plant Viewer imports 3D models to a web-optimised format and renders them in a standard browser using Three.js and WebGL. No installation is required, no licences are needed. Stakeholders open a link and can orbit, zoom and query equipment directly in their browser. Access to other disparate data sources are linked, making the Viewer the single method of accessing related information — as simply as possible.

INDUSTRIES & USE CASES

Oil & Gas

Construction

EPC Contracting

Facility Management

Industrial Design

TECHNOLOGY STACK

Three.js

WebGL

TypeScript

Next.js

KEY BENEFITS

- Plant model reviews happen anywhere — no software installation required
- Asynchronous review across teams and time zones with no licence barriers
- Stakeholders can interrogate the 3D model independently before design reviews
- Orbit, zoom and query equipment information from any web browser
- Takes data sources as they are — no expensive validation or cleaning required

