Visualizer for digital twins

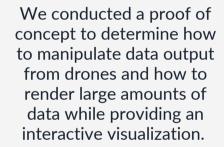**PROBLEM**

ACTIONS

RESULTS

STACK

Our client, a company that manages infrastructure in hard-to-reach areas, needed to implement a remote preventative maintenance solution.

The solution required the use of drones to capture images and data of these infrastructures, allowing evaluation and maintenance without the need to send personnel to remote and potentially dangerous locations.
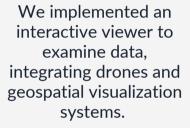
We conducted a proof of concept to determine how to manipulate data output from drones and how to render large amounts of data while providing an interactive visualization.

Once the tools to be used and their capabilities were validated, the project was executed.

We implemented an interactive viewer to examine data, integrating drones and geospatial visualization systems.

After validating tools, we deploy the solution in rigorous testing to ensure its functionality and accuracy.

The integrated display allowed efficient preventive maintenance without physical travel.

WebGL
Potree
Three.js
AWS services

xs!de

Salir

Base Dolavo

Asociación de anomalías | Visualización del modelo digital

Fecha de escaneo: 23/05/2024

Resetear posición

Contenido relacionado ⌄

Anomalías ⌃

Nro de Anomalía: 1
Severidad: 3 - Media
Descripción: Potencial cable sin ajustar
Fecha: 26/6/2024
Hora: 10:24 AM
Imagen asociada:

Descargar reporte

Salir

Base Dolavo

Asociación de anomalías | Visu... mod...

Fecha de escaneo: 23/05/2024

Resetear posici...

Contenido relacionado

Imágenes asociadas al pu...

Anomalías ⌄

Registrar una anomalía en esta imagen:

Nivel de Severidad:

1 - Emergencia

Descripción:

Inserte una descripción

Activo involucrado:

Antena: Uniquiti Networks LBE-M5

Fecha de inspección virtual:

1/7/2024, 12:54 p. m.

Registrar anomalía