



## 3D Ground Level Scanning for SPCC Compliance

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# Introduction



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# 3D Facility Scanning Types

## FARO FOCUS 3D SCANNER

- ▶ Indoor
- ▶ Outdoor scanning up to 2 ac.

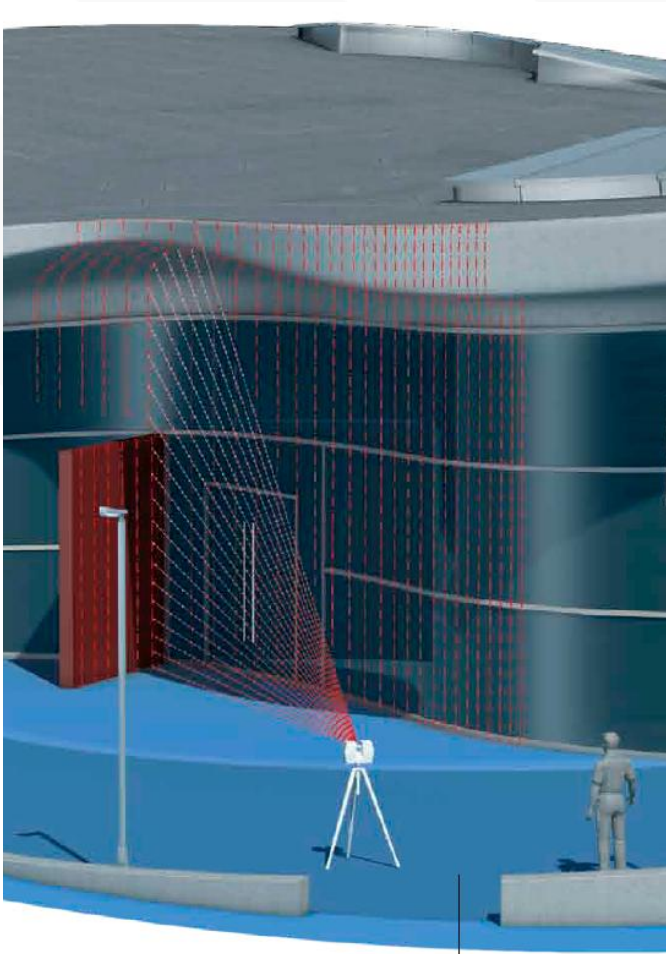


## RIEGL RiSCAN Pro

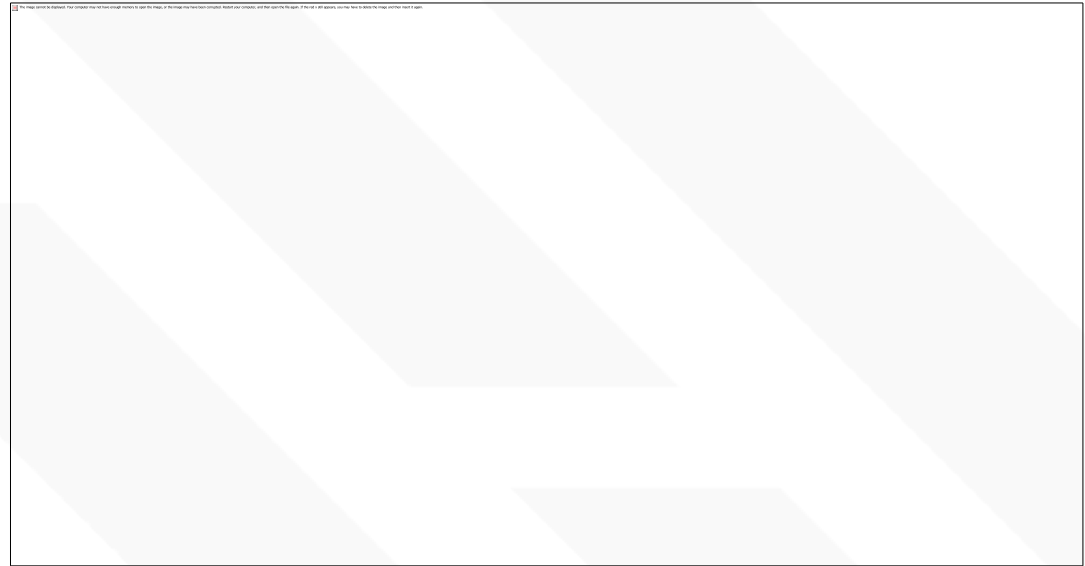
- ▶ Outdoor scanning from 2 ac. 50 ac.



# 3D Facility Scanning Process



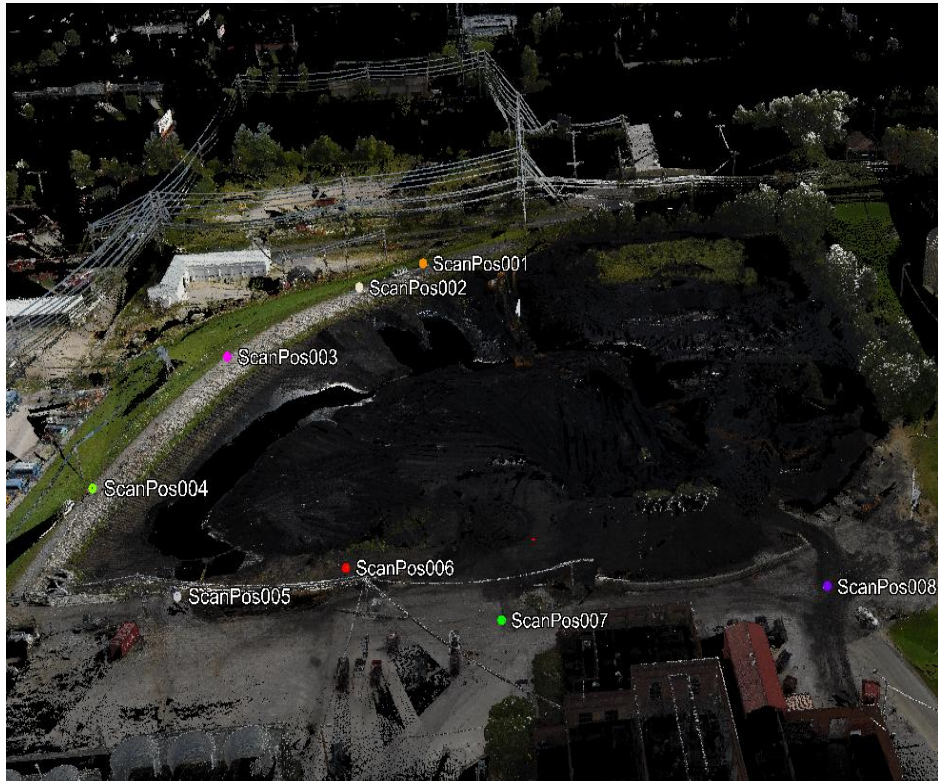
Data Collection Phase



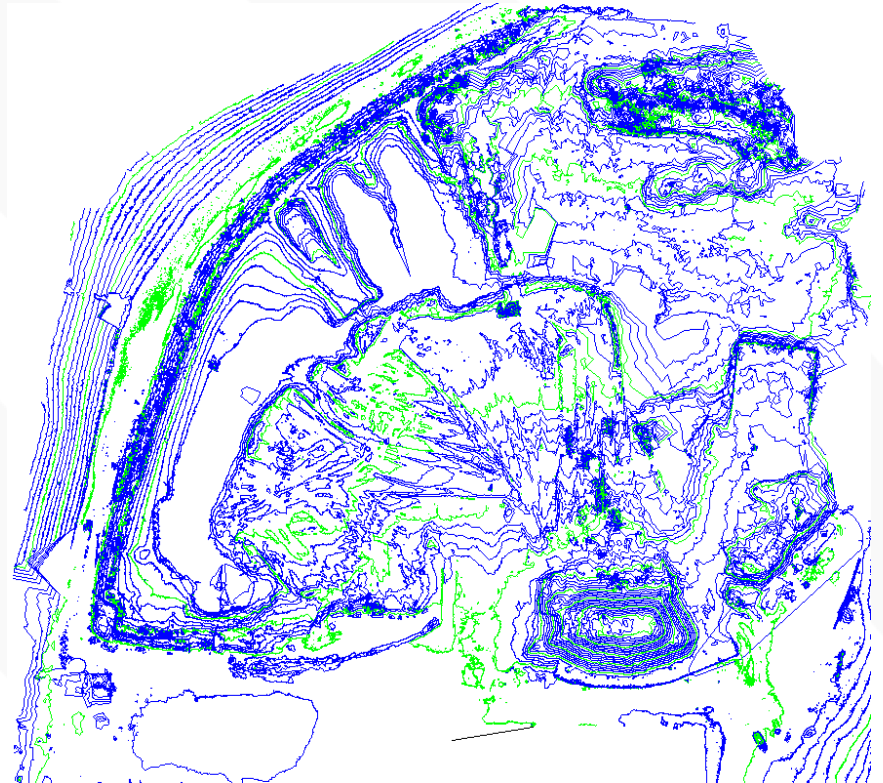
Data Processing Phase

# Scanning Output Types

## Point Clouds



## Contour Surfaces



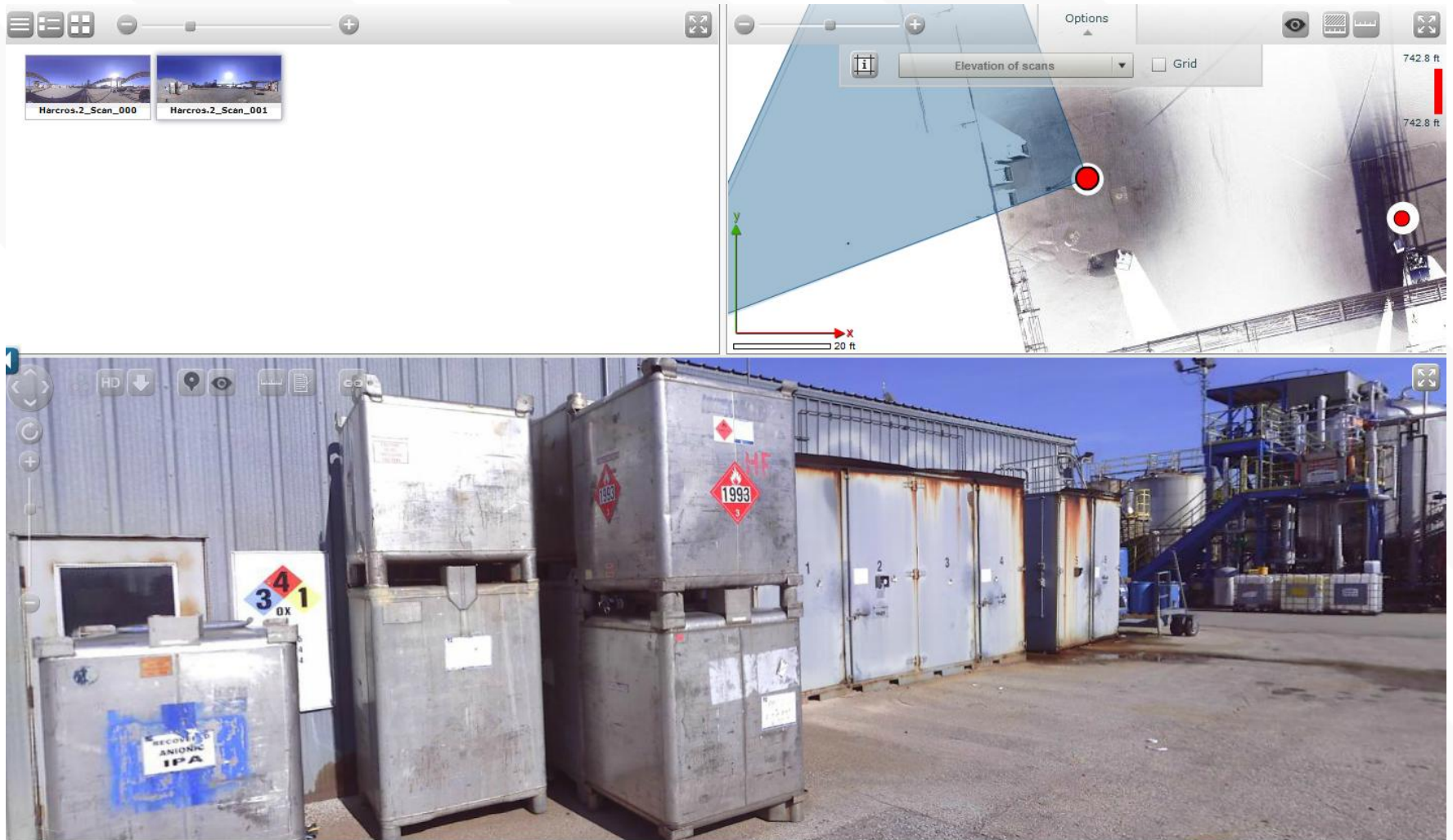
# Scanning Output Types

## Imagery



# 3D Model Uses

Viewing detailed features of the site from a PC



# 3D Model Uses

## SPCC Volume Calculations



# 3D Model Uses

Measuring objects that are difficult/dangerous to measure,  
measure equipment while in operation



# 3D Model Uses

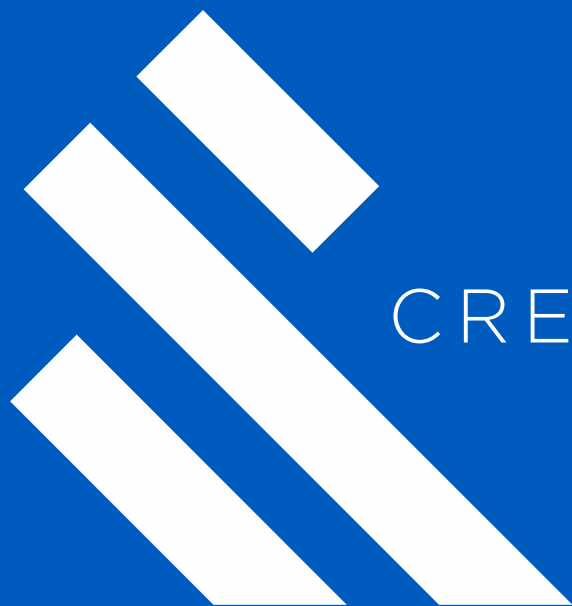
## Asset Inventory/Documentation



# Summary

- ▶ Reduce the need for Surveys
- ▶ Review site features remotely
- ▶ Documentation of assets
- ▶ Viewed in AutoCad, Microstation, Plant 3D, etc.
- ▶ SPCC containment calculations
- ▶ Saves Time





CREATE AMAZING.