DISTRIBUTECH Asset Detection Foundational Model

Settings

Select Inference Type

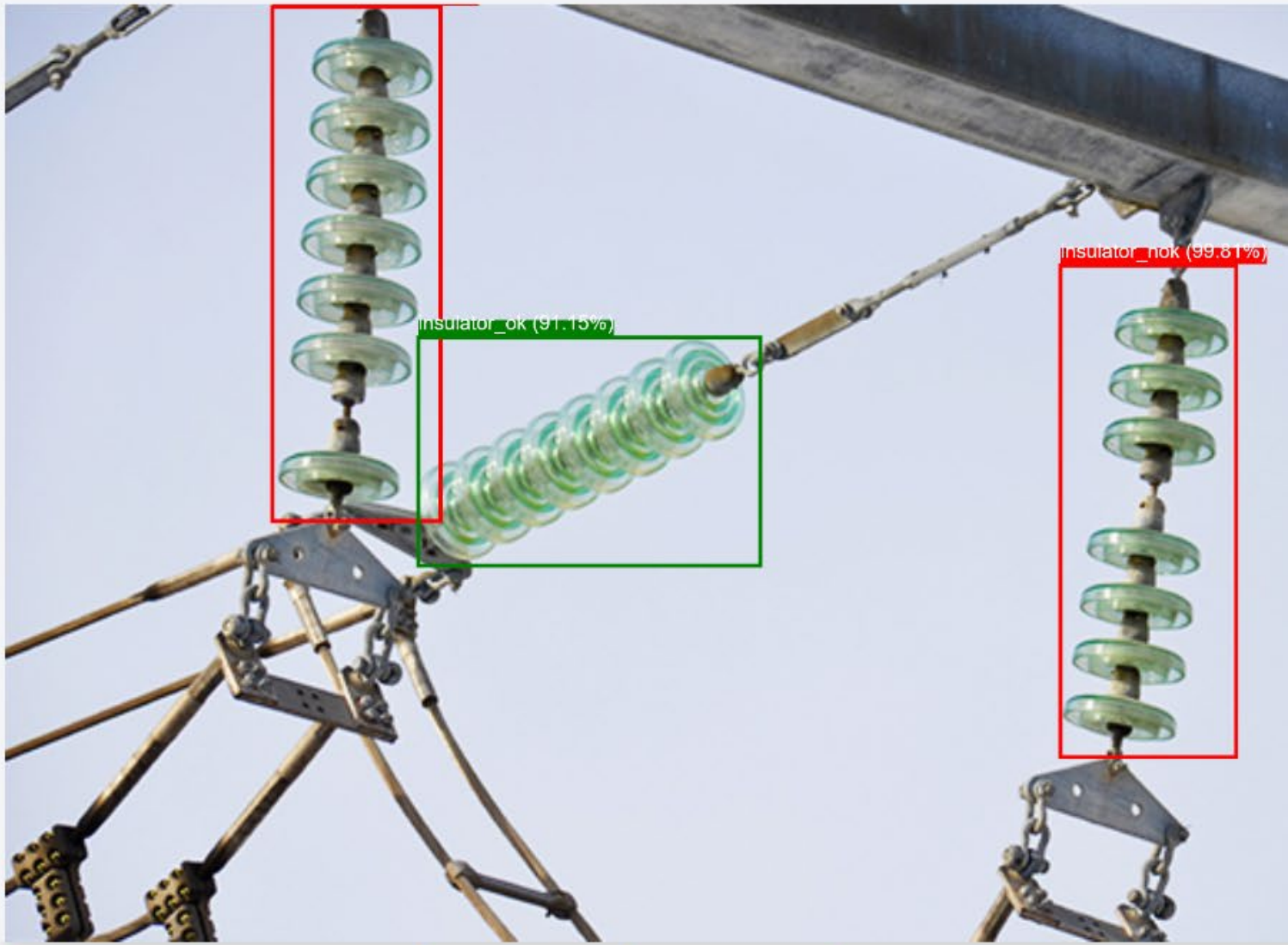
- ○ Detect Assets
- ◉ Detect Assets + Health Status

Confidence level

90

0% 50% 100%

1 Images Selected

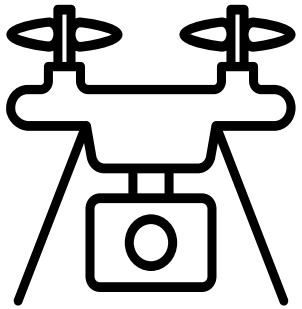


Detected Objects Summary:

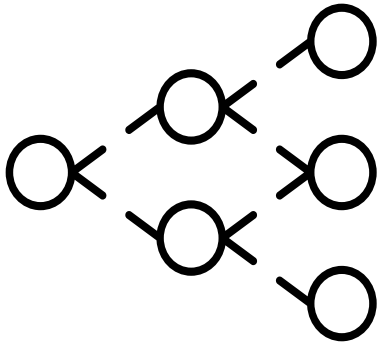
images/Glass_insulator_defect.jpg

Type	Status	Confidence
insulator	⊗	99.81%
insulator	⊗	99.41%

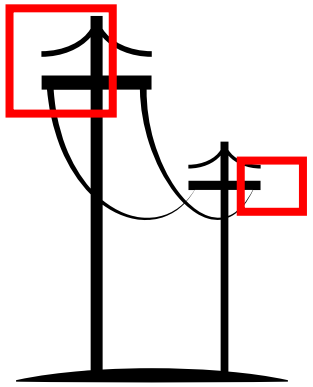
THE PROCESS



Images of utility equipment are captured via satellite, drone, or vehicle

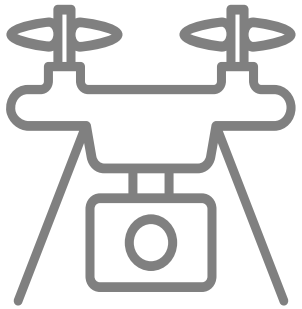


Machine learning models are trained to identify equipment in images on many photos

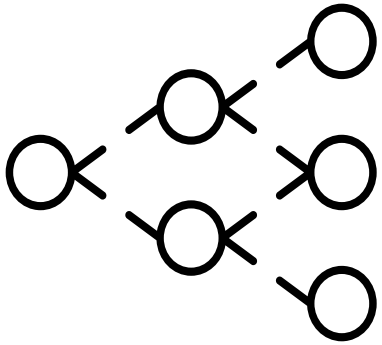


Models are run to identify types of equipment and defects

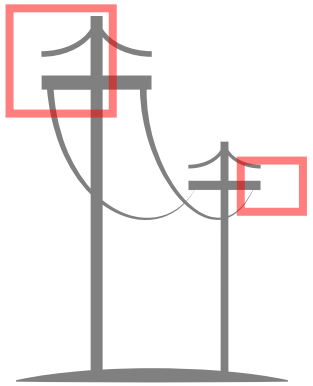
THE MODELING CHALLENGE



Number of images required to train models

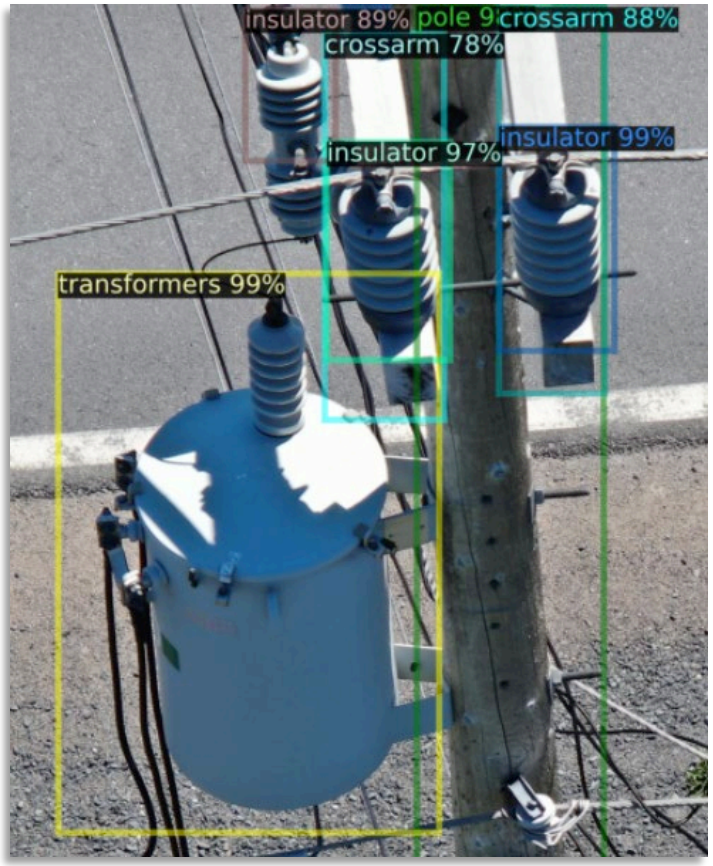


Time and expertise required to develop high quality models



Cost associated with model development and training

VOLT VISION



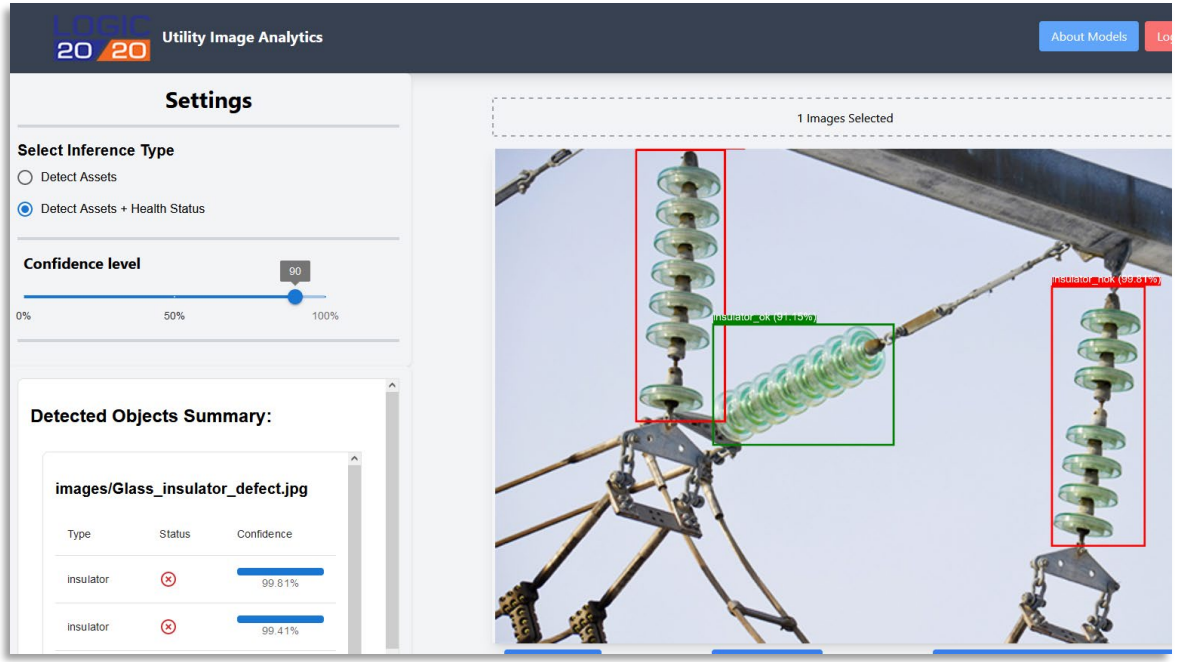
FOUNDATIONAL ASSET DETECTION MODEL

REDUCES TIME TO MODEL DEVELOPMENT

THE OUTCOME

DECREASED TIME

LESS DATA REQUIRED



LOWER COST

EASE OF DEVELOPMENT