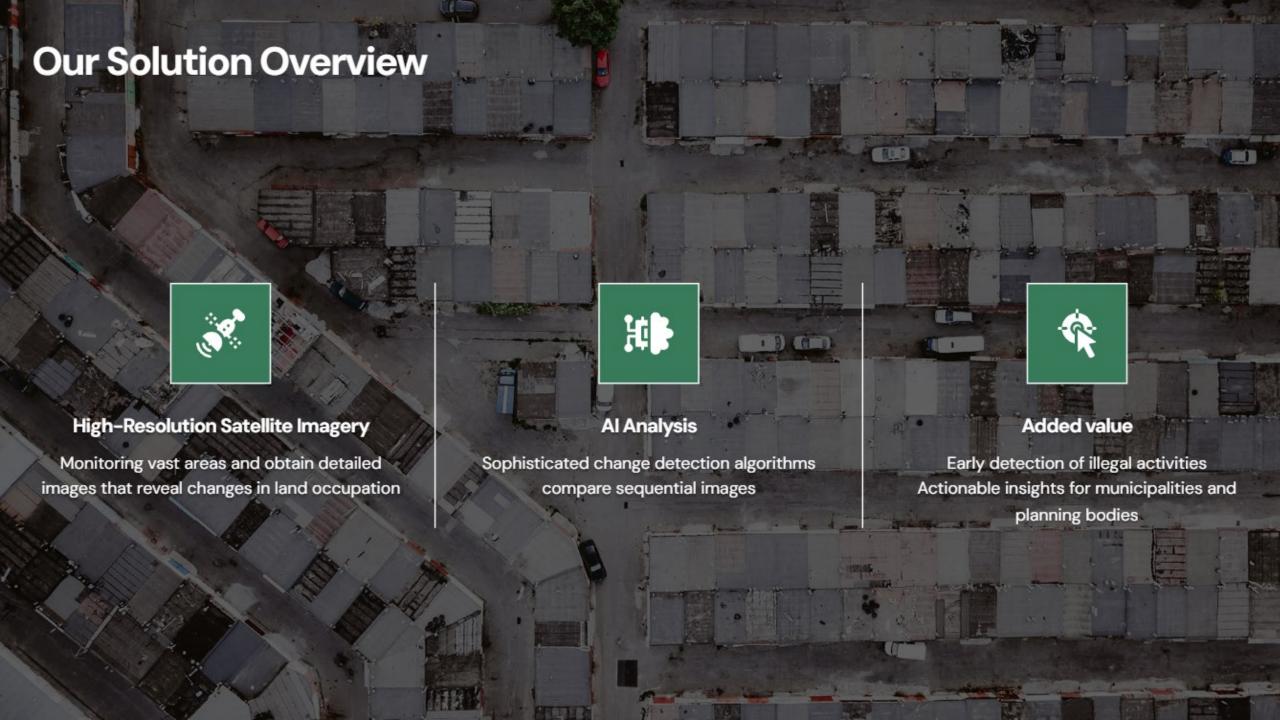


VirtuaCrop develops cutting-edge software that leverages artificial intelligence and remote sensing to transform data into actionable insights



# **Core Technologies & Architecture**

Detailed Overview of Technologies and Processes

## **Data Acquisition**

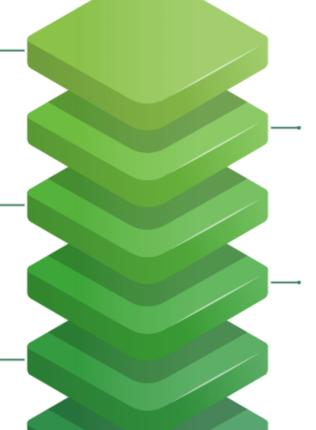
The process of gathering high-resolution satellite imagery to monitor land changes.

### Al Inference

Utilizing custom-trained AI models to analyze the preprocessed data for specific patterns.

### **Alert Generation**

Creating alerts based on detected changes for immediate action and reporting.



## Preprocessing

Preparing the acquired data for analysis, including cleaning and normalization.

### **Change Detection**

Deploying change detection techniques to identify discrepancies in land use, such as deforestation and construction.

#### **Dashboard Visualization**

Displaying the results in an interactive dashboard for users to explore and understand the data.

## **SECTORS OF OPERATION**

