

Brochure and  
Case Study

# CONSTRA FOR SOLAR CONSTRUCTION

A leading solar plant developer adopts drones and AI/ML technologies to become efficient, and save money.

# CONSTRA proved effective right from initial land survey till the completion and **commissioning of solar plant.**

The company is one of India's leading Solar plant developers, part of a global conglomerate.

CONSTRA was used in on a 200 MW project, resulting in tasks like land survey, land preparation and planning becoming quicker and cheaper. CONSTRA enabled effective monitoring of solar plant remotely, so that project progress could be visualised, to multiple stakeholders on their mobile phones.

## Challenges Faced

- A lot of land parcels to survey across India, every month, and it took weeks for survey team to complete survey for a single site.
- Lack of visualisation of site proved difficult to plan and prepare the land for construction.
- It took **11** supervisors to manage the construction who were were tasked to monitor progress, quality, and record on-site defects.
- Stakeholders such as senior management and project financiers had no visualisation of progress of work and mostly received inaccurate data from the project site.

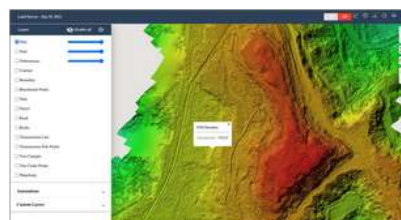
## Business Transformation

- CONSTRA Survey is an AI-powered platform for land survey and analysis
- A drone survey captures **6+ layers** of data in one-go
- An AI-powered engine **analyses the visual data** to create detailed land survey maps
- **Pay-as-you-go** model (No CapEx)
- Platform provides **graphical computational tools** to determine distance, area, perimeter, area, volume and even elevation profile

## Get the CONSTRA advantage



Contour mapping on ortho of Surveyed Land



Terrain & Surface Models



Elevation & Volume Measurement tools



Orthomosaic Imaging



CAD Overlays



Accurate Progress Tracking

## DO MORE WITH **CONSTRA**

### **VISUAL INTELLIGENCE**

See project progress, derive insights from pictures and videos. share it with other stakeholders.  
Plan better, make timely and informed decisions.

### **SAVE ₹64 LAKHS**

(APPROX. AED 290K | \$79K)

Save money on several operational and reporting tasks.  
You can save upto ₹64 lakhs in site visits and due diligence while surveying **850** acres of land.

### **LOWER IDC**

Ensure adherence to quality and timelines. Manage project effectively and complete projects on-time.

Reduce your lower Interest During Construction (IDC) cost.

### **SINGLE SOURCE OF TRUTH**

An upto date view of project progress to management, on-site teams and contractors.

Remove data asymmetry and drive better collaboration.

### **SIMPLIFIED REPORTING**

Setup the creation of multiple formats of reports.  
You can download with 1-click or even automate the report generation.

### **REDUCE THEFT**

Visual logs help reduce the risk of material theft especially during MMS and Module erection.

Prevent critical delays due to theft of installed and to be installed material

### **QUALITY ASSURANCE**

CONSTRA enables visual snag management.

On-image annotations ensures task clarity, reduces re-works and promotes transparency.

### **CONTRACTOR SATISFACTION**

Visual logs and computational tools makes it easy to assign, manage and verify, and audit tasks.

Vendor payments can be made on-time and against technical verification.

GET THE AI/ML ADVANTAGE

## AUTOMATE YOUR SOLAR CONSTRUCTION PROJECTS WITH CONSTRA

### Why Choose Us?

We're an innovative ConstructionTech company working with some of the largest real estate developers, PMCs and Solar construction companies.

CONSTRA has been consistently delivering great value to our clients.

### Contact Us

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### About Us

CONSTRA derives insights from construction-site pictures and videos, helps you efficiently monitor the progress, identify deviations from the plan, manage snags and improve operating efficiency.

Clients of CONSTRA save up to **65%** of the time on progress monitoring, need **50%** fewer site supervisors, and save **20%** on the overall project cost.

### Scan



Scan this QR code to watch CONSTRA in action, explore pricing and more information.