



CONSTRUCTION TECHNOLOGY AWARDS
2025

CONTRACTOR OF THE YEAR



VISION

"Redefine the international quality standards and become the pioneer in transforming the construction industry"



MISSION

"To always uphold Sobha Values and deliver exceptional construction projects ontime with the trusted partnership with all our stakeholders"

OUR CORE VALUES



Innovation



Transparency



Ownership



Uncompromising
in Actions



Think Big



Customer
Focus



Empowerment



Passion for
Excellence



Courage



Integrity &
Fairness



Empathy



Resilience



Trust

SUBMISSION EVIDENCE

IDEA MANAGEMENT SOFTWARE

To ensure continuous improvement in planning, delivery, safety and quality of our operations we introduced a 360° Innovation Management platform - INDONIS ensuring 100% engagement of our employees in the process of crowdsourcing smart and innovative ideas that deliver sustainable growth.



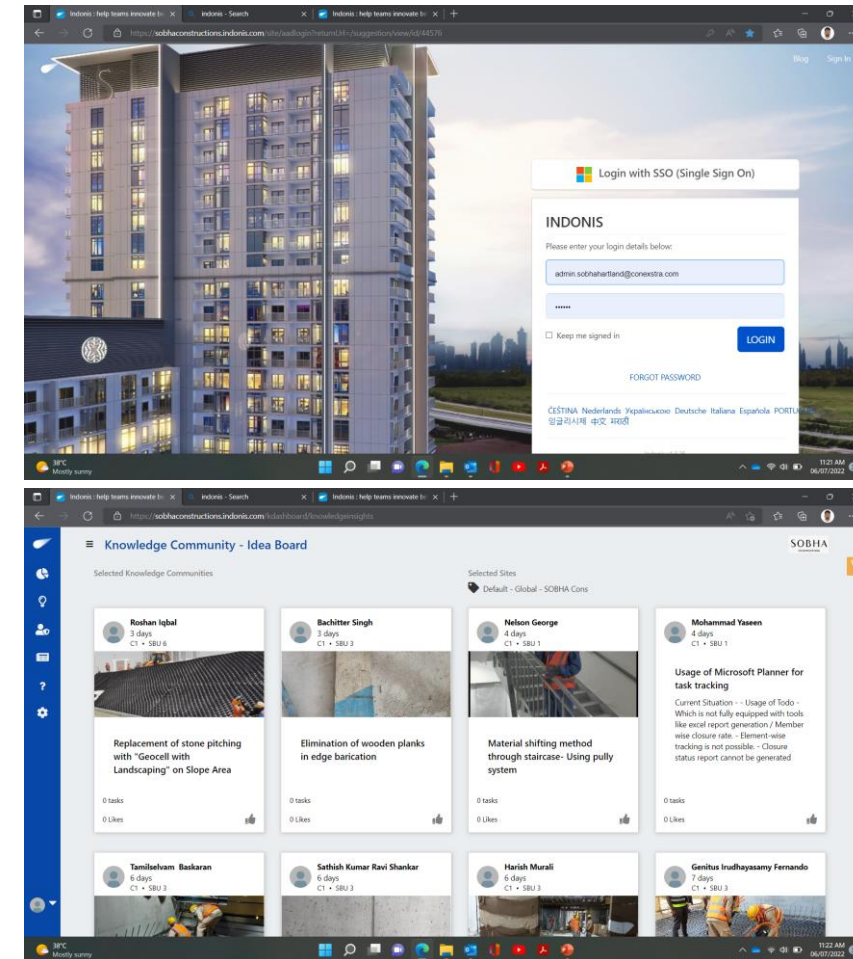
FEATURES:

- Efficient and faster evaluation
- Divergent thinking
- Enhanced Collaboration
- Better Focus on Employees' Efforts
- Foster Innovation
- Thought Mapping

BENEFITS:

1. Build a robust "innovation culture" (bottom floor to top floor and supplier to customer)
2. Help discover solutions quicker through "crowdsourcing of ideas" (100% coverage)
3. Deliver maximum "Return on Innovation (RoInn)" across all innovation projects
4. Develop highest levels of employee engagement and connect (reward & retain best people)
5. Drive sustainable growth through improved quality, productivity and cost / time savings

TECHNOLOGY PARTNER:



1 DESIGN TO PRODUCTION TO INSTALLATION | OFFSITE CONSTRUCTION



PLANGRID UPDATES



AUTODESK®
BIM 360™ BIM 360 USAGE



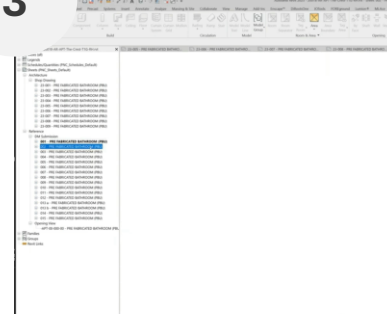
FRAMECAD® FRAMECAD USAGE

2



Steel structure drawings are then uploaded to the roll forming machine for **production**.

3

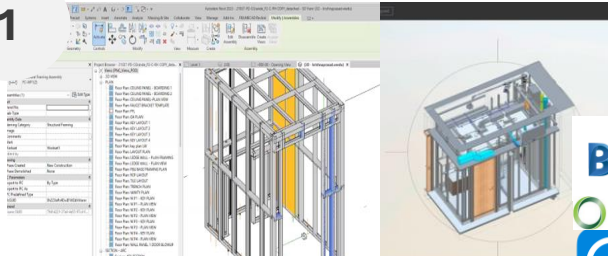


Assembly of the POD as per the construction sequence including MEP services in factory



AUTODESK®
BIM 360™

1



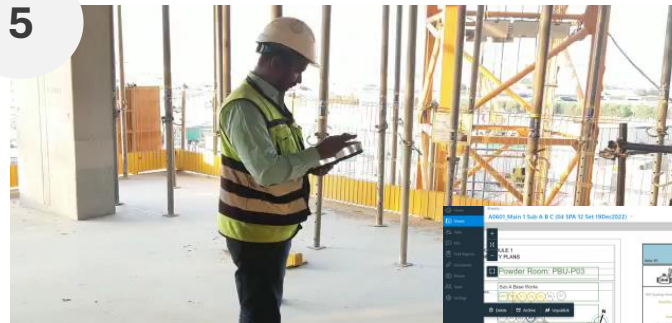
PODs are designed and drawings are issued to factory & site



FRAMECAD®



5



Engineer reviews and provides **clearance** to the next activity



4



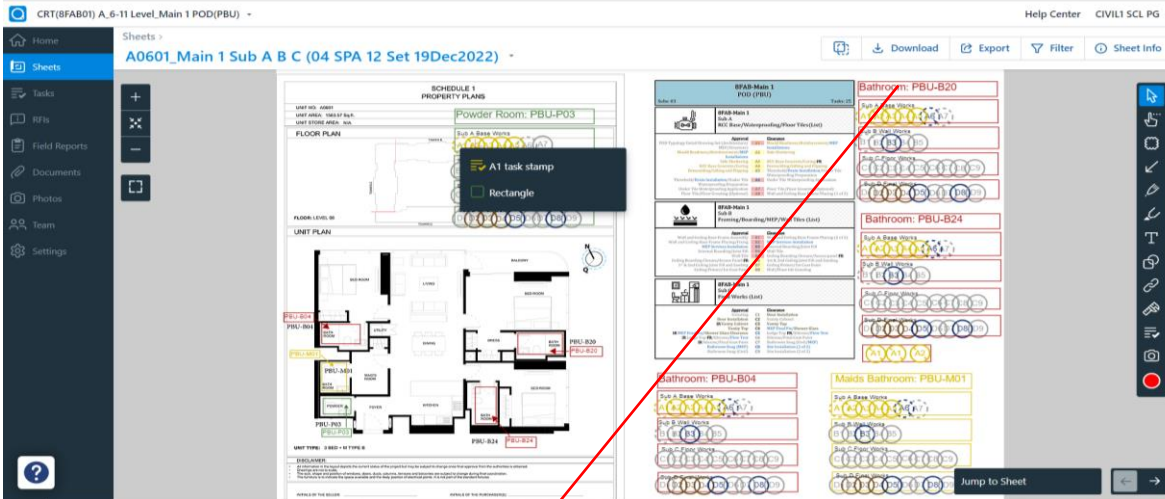
Installation of POD at site



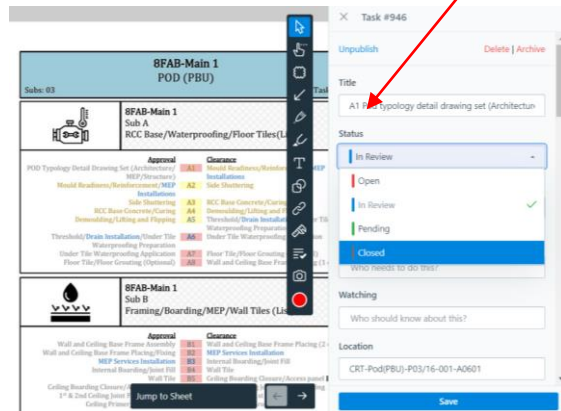
1.1 MAINTAINING PROGRESS THROUGH PLANGRID

Tasks stamps are maintained in PlanGrid across functions (consultants, contractors, audit) so that the progress is maintained and ensured at all stages from design to realization.

OVERVIEW OF A PLANGRID SHEET



The above rounded figures shows '**stamps**' that are to be updated at every stage.

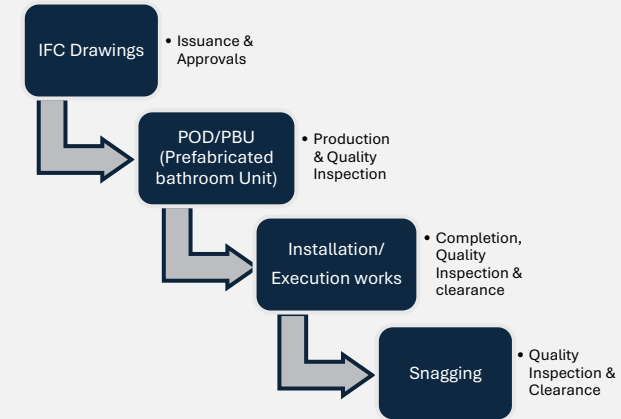


Clicking on each stage lets the user know the status of the particular stage.

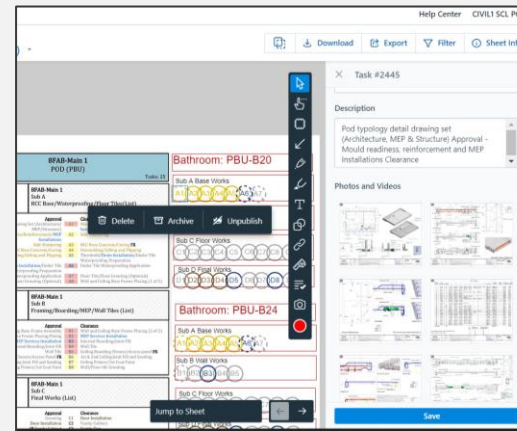
The respective person responsible for the activity updates the status at each stage.

Any stakeholder can see the status at any point of time reducing the need for follow-ups,

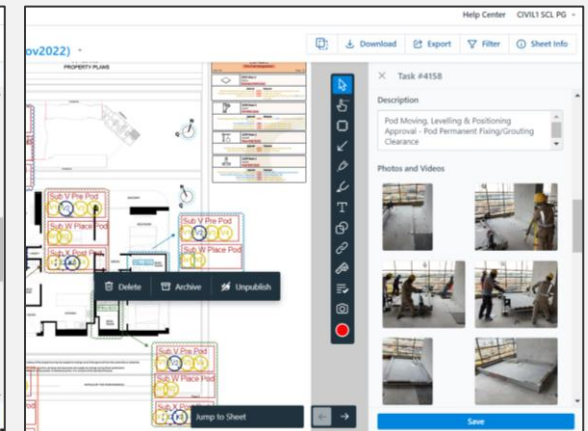
STAGES OF PLANGRID USAGE



SAMPLE PLANGRID UPDATES



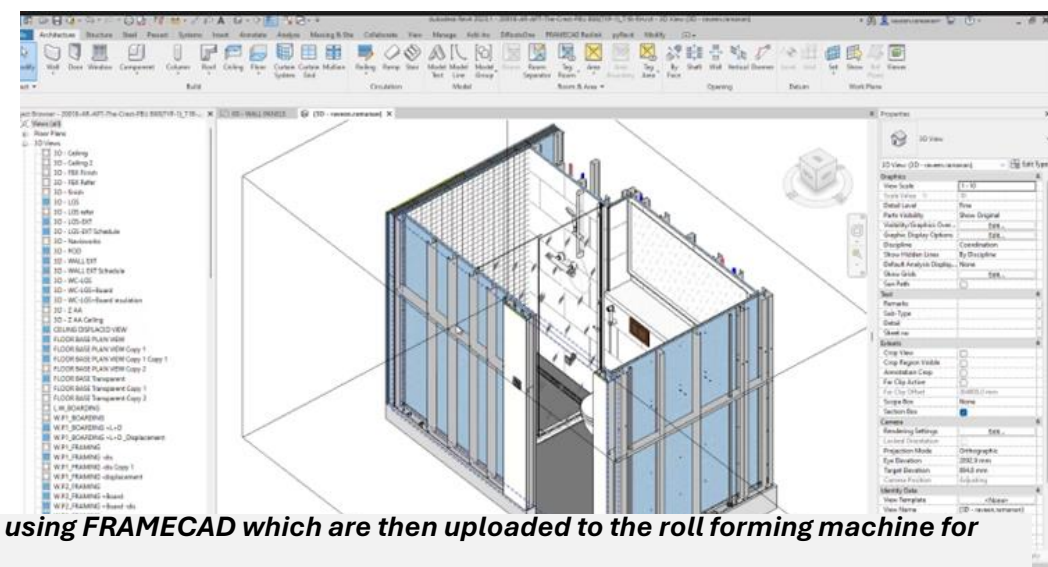
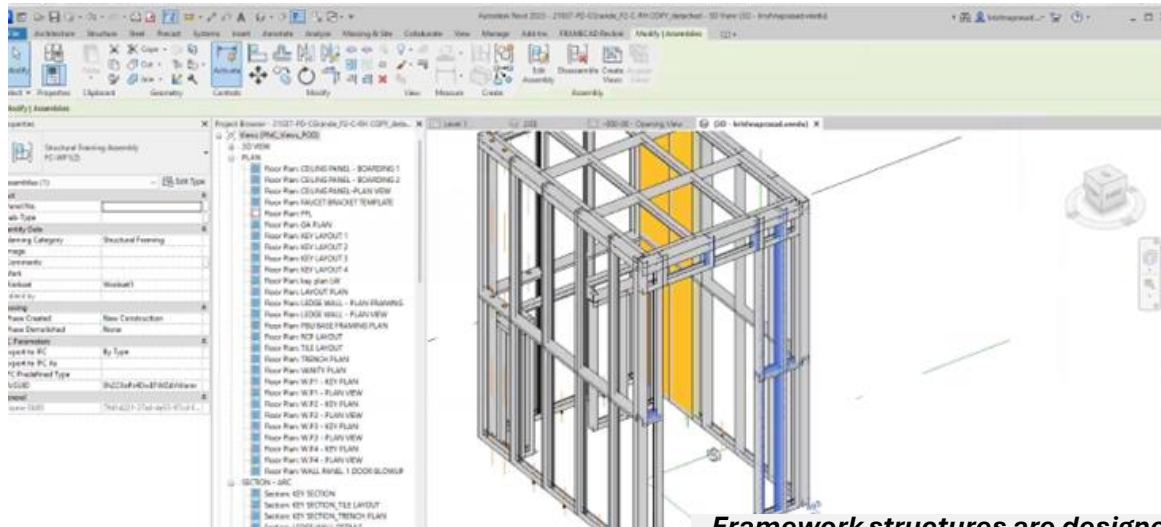
Sample stamps marking the detailed drawings issuance with pictures indicating the same.



Sample stamps marking the progress of the execution with pictures indicating the same.

1.3 FRAMECAD – DESIGN TO PRODUCTION OF PREFABRICATED PODS | OFFSITE CONSTRUCTION

Designed using specialist computer-aided CAD design and engineering software, the FRAMECAD system allows for cold formed steel to be implemented for the fabrication of our bathroom PODs. Our **Modular Factory** produces pre-engineered bathroom units and delivers them to site. They're then assembled as large elements of a building, forming complete rooms.



Framework structures are designed using **FRAMECAD** which are then uploaded to the roll forming machine for production.



Framework production at our Modular Factory using roll forming machine

The FRAMECAD System unlocks the ability to design and construct web joists, trusses, structural framing and internal partitioning suitable for a diverse range of construction types.

FRAMECAD's roll forming machine integrates innovative engineering, design and production software to produce frames, trusses and joists that are ready to be assembled with ease.

1.4 ROBOTS – DESIGN TO PRODUCTION OF PREFABRICATED PODS | OFFSITE CONSTRUCTION

Streamlining operations and limiting manual work was of prime importance and hence, we introduced robotization and automation techniques.

- We used robots and machines such as **welding robot, co-bot, pick & place robot ensuring products are delivered with high efficiency (5x improvement in cycle time)**



Product Details

- Support up to 2.25 Tons of trailer tongue weight
- Designed to weld directly to the trailer frame
- Pull-pin keeps leg securely locked in place
- Made of high quality A3 steel, very durable and sturdy to use
- Side-wind handle easily raises or lowers trailer coupler



Handle Type: Fixed handle

Product Name Trailer Jack
Heavy Duty Trailer Jack
Side Frame Mount Jack
Cap : 2.25 Tons
Lift : 381mm
Weld-on
No Drop leg
With Foot
Side Wind Jack

Logistic system contains a high size threaded bars and bespoke **pod movement jack system** that ensures that product slides through the construction site with ease.

Success factors

- The use of these robots are a first in the construction industry in UAE and we are among the first few to implement in the middle east.
- Welding Robot - Quality, Precision of Welding is improved with 600 seconds cycle time in manual process is reduced to 80 seconds with **9X speed improvement**.
- Pick & Place Robot - Ease of handling - what takes 4 people to do a job is now done by 1 person, with speed increased by **3X**.

A separate robot is procured and placed only for training purpose

- Cobot for Welding – **Collaborative robots** for automating the routine welding processes, with manual intervention. It **increases overall efficiency by 100% with improved ergonomics**.
- **Passive Learning – Movable Giant LED Screens** with audio speakers are used inside the factory to teach technicians and percolate the right information.



Our end objective of the concept was for the management to have a **robust and dynamic view of the business metrics** tracked at the ground level – with insights developed every day based on the analytical tools and logics such as pareto.

This concept being very new to construction industry - we drew inspiration from automotive and manufacturing sectors to implement this concept in Sobha Constructions.

To have the birds eye view on the implementation plan – a team of TQM experts evaluated and derived 180 areas of implementation in each construction project with **500 monitoring metrics** in terms of both result and process.

These metrics, which are **derived based on our Company Business Objectives** and year on year targets - are spread across all business users to ensure **ground level problems are highlighted** for necessary immediate action.

Some examples of project monitoring metrics are productivity – no. of blocks per mason, productivity – tile laid in sqm
No. of quality rejections, defect per flat, no. of near miss reported (safety) etc

Some examples of business support functions monitoring metrics – recruitment & onboarding of employees' plan vs actual, purchase order release as per SLA etc.

2 DWM APPLICATION | APPLICATION SNAPSHOT

SOBHA

DWM ▾

Activities ▾

View Targets

Reports ▾

Admin ▾

Sreejith Sarath Jalaja ▾

Create Daily Work Management (DWM)

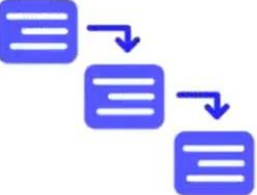
1



Objective

- To provide **role clarity, consistency and uniformity** in the routine work to provide **consistent output** to achieve **process/divisional objectives**.

2



KRI & KPI

- Key Result Indicator is the metric, which helps to **measure the outcome / output of the Process / system**.
- Key Process Indicator is the metric, which helps to **measure the progress of the input / Process element**.

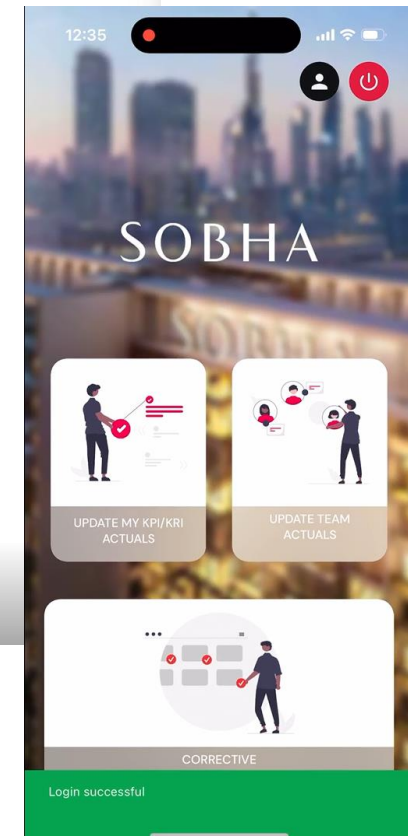
3



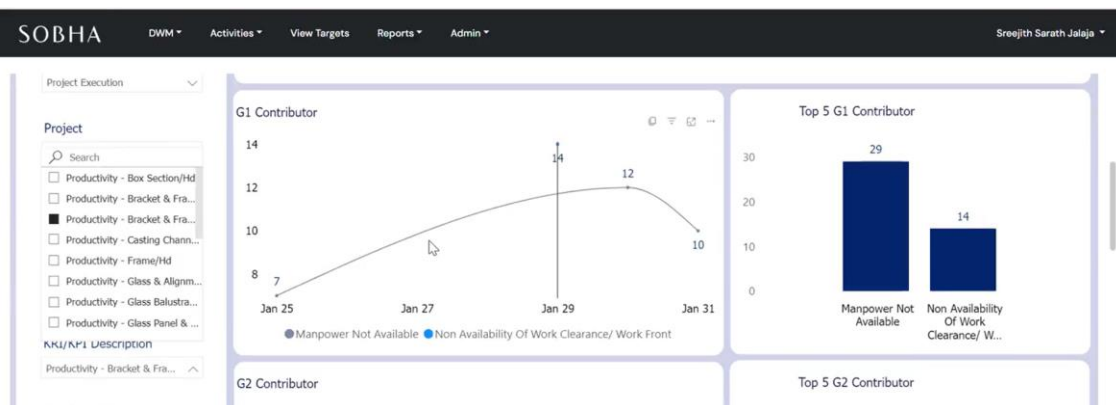
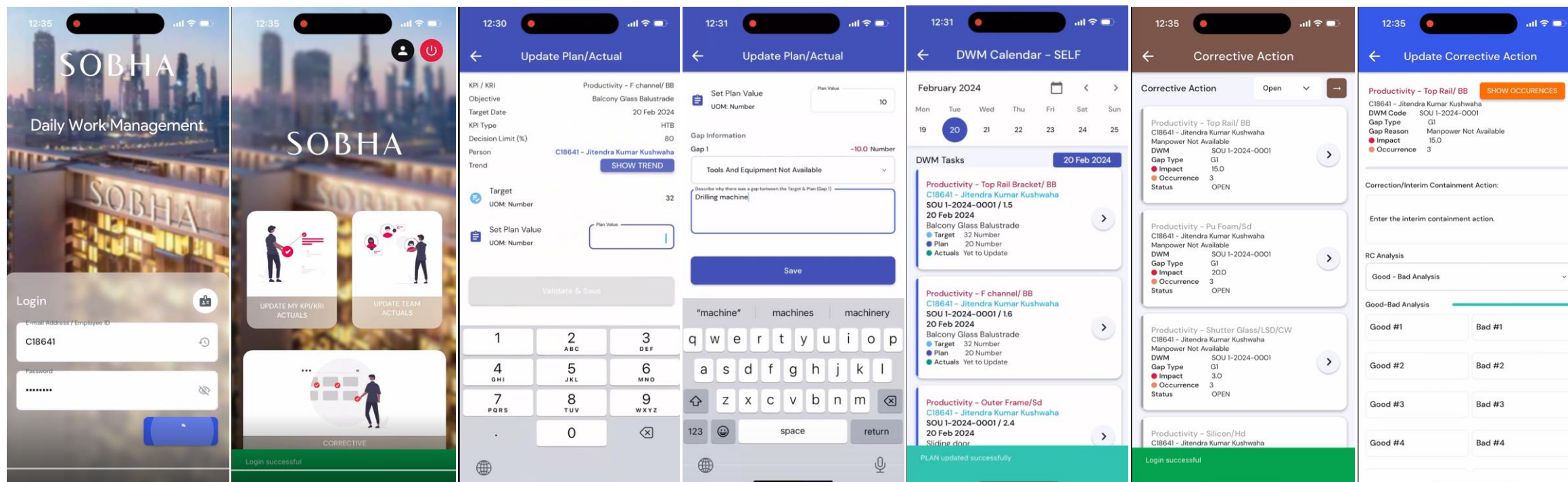
Stability & Capability

- Stability refers to the **state of being consistent**, in other words, **less variation**.
- Capability refers to the **capacity or ability of a System, process, or Activity** to successfully achieve a specific target or plan.

GET STARTED



2 DWM APPLICATION | APPLICATION SNAPSHOT



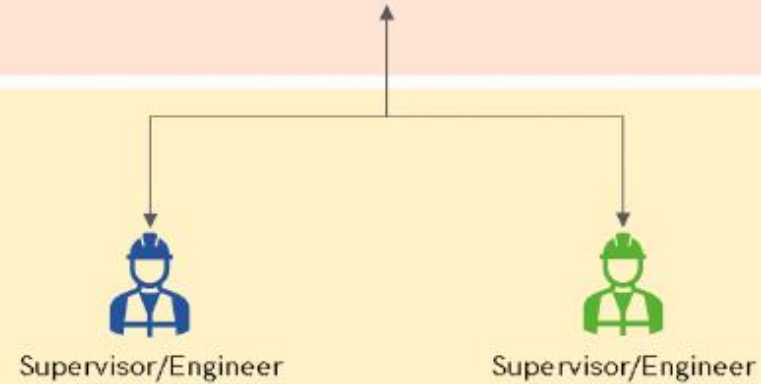
- We strongly believe in data driven decision making and that is the foundation for the development of this application.
- Concepts such as control charts and pareto graphs are used to depict the data collected for taking the necessary corrective actions. These are then consolidated into our lessons learnt archives to be used for our other projects.

2 DWM APPLICATION | TEAM ENGAGEMENT

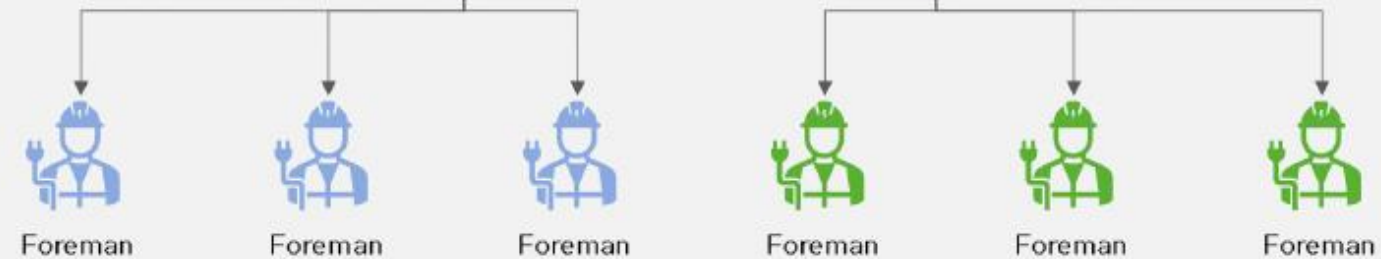
- Review Supervisor/Engineer Gap & RCA
- Gap & RCA Workflow (Approve/Reject/Resend)
- Set Targets & Allocations
- Manage Master Data
- Reporting & Dashboard



- Submit Plan, Actuals, Gap Inputs (daily work)
- Set Foreman Target (Monthly)
- Review Foreman Actuals & Gap Info
- Threshold-based Root Cause Analysis & Action

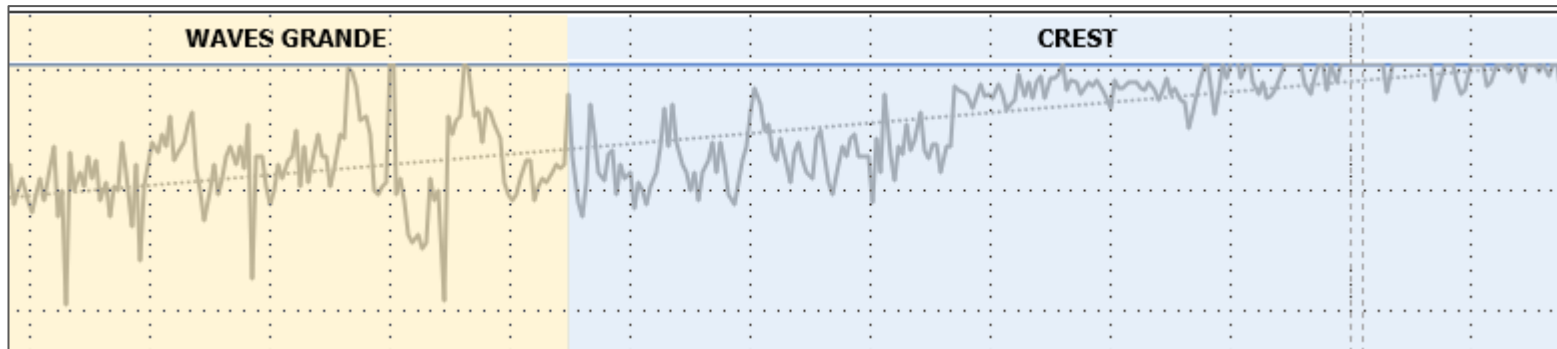


- Submit Plan, Actuals, Gap Inputs (daily work)



2 DWM APPLICATION | IMPROVEMENT

- Business Metrics Monitoring and Reporting adapted from the Japanese concept of DWM – this is typically used in manufacturing and industrial engineering and new to construction industry, particularly in the middle east.
- Dashboards are currently available for **150 Activities** which are particularly derived from project Critical path activities.
- All these activities were daily monitored, action initiated, and **50% of activities** are achieved the target with the consistency (Example: This is relatively a challenging and wow factor that has been achieved, considering the industry dynamics. Significant improvement by 20%, was observed for the GYPSUM process in the Waves Grande to Crest project)
- This helped to achieve the targeted project handover timeline



Example of control chart usage in productivity metrics

3 FTR APPLICATION

FTR: The quality system in Sobha is like no other and hence we needed a customized application that could cater to our needs; designed based on our workflow.

The primary objective of this project is to implement and establish a comprehensive Application First Time Right (FTR) in construction processes.

Designed Procedure: Incorporate Inspection Management to ensure compliance with quality standards at various stages of construction. Foreman will access a secure platform to raise inspection and receive feedback for defects within a hierarchy system for approvals. Meanwhile Engineers/QCS/QAQC team will utilize platform to inspect, review, approve/reject, and provide feedback to foreman for rework and record. A CAPA can be opened based on the repeated complaints by the QAQC team to review and suggest rework



Dashboard Generated through FTR

4 PAINTING ROBOT

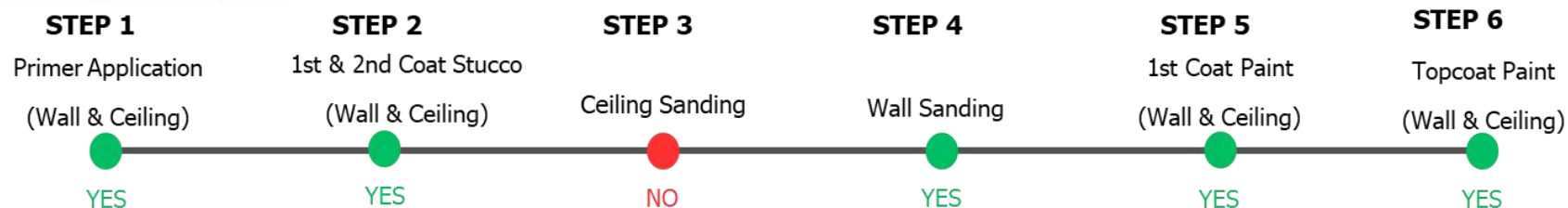
OVERVIEW

In line with our vision of integrating technology into our operations, we have acquired the Fangshi Robot Painting Machine, which was initially brought in for a trial in June 2024.

This investment aims to leverage automation and technology to reduce manpower hours and enhance the efficiency of our painting processes.

WORKING PRINCIPLE & BENEFITS

Painting Process



*YES / NO – Scope of Robot

Productivity Table

S. No.	Activity	Robot's Target (sq. m.)	Manpower	Increase in Productivity (compared to Manual ASTP)
1	Ceiling Stucco	408	4	14%
2	Wall Stucco	434	4	16%
3	Sanding	161	1	79%
4	Ceiling Paint	657	2	266%
5	Wall Paint	926	2	381%

- A team of two representatives from Fangshi Technologies, China, visited our site and conducted a comprehensive 12-day training program for our Technicians, Foreman and Engineers.
- Currently, the Robot is deployed at Crest Grande site.



Fig.1 : Painting Robot



5 CM BUILDER

OVERVIEW

The CMBuilder software is a **4-D logistics and progress tracking software**

WORKING PRINCIPLE & BENEFITS

- The Software allows us to **create a site logistics plan** and **run simulations** for the same to **see feasibility of routes selected within the construction project**.
- The **positions for the crane** can be identified and **to identify all blind spots and hinderances** to movement.
- The **reach and accessibility** for the concrete pumps can be determined through simulations.
- The software allows multiple users to view **real time footage of site progress**.
- Equipment can be inbuilt into the software, scaling them down as per their actual dimensions and arresting these set dimensions to give a proper overview of the entire work.

USE-CASE TO SOBHA

- **SOBHA Mall is the pilot project** which will be executed with the software.
- Current progress for the same can be viewed in the attached video file.



6 ACUBE: ASSET MANAGEMENT

RFID BASED FAÇADE MATERIALS & ASSET TRACKING:

Tracking construction materials, and assets is always a challenging activity in the construction area, and manually managing the same will always lead to inaccurate data because of human error, no ontime compliance to the timely reporting, and error in the data, making people accountable & liable for the material & asset, spending more time & manpower to control and manage everything.



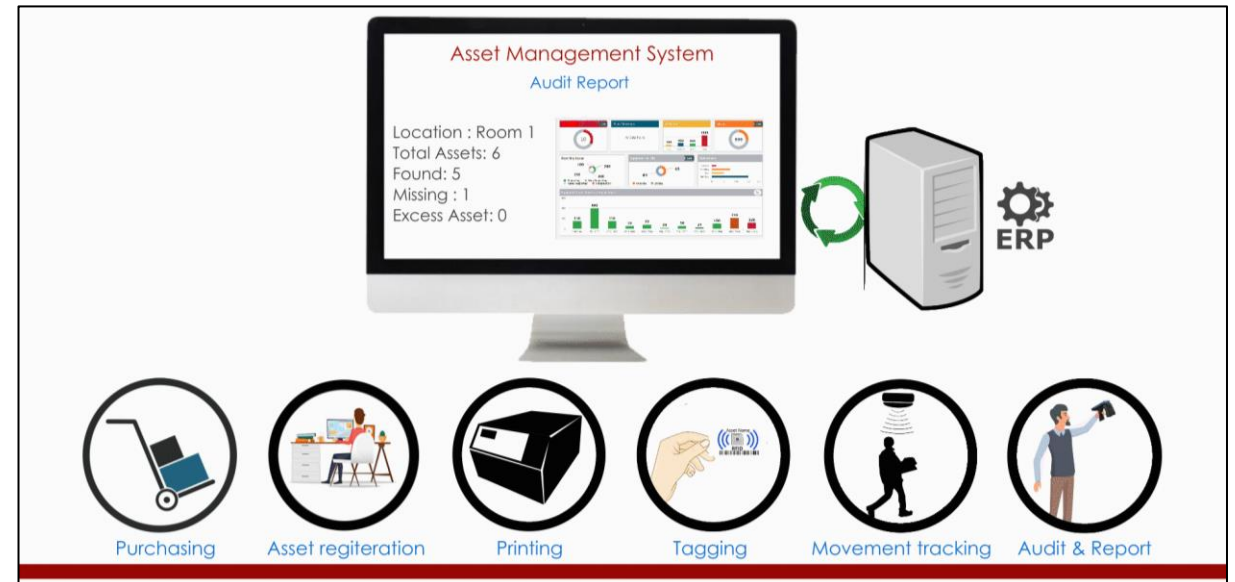
BENEFITS OBSERVED

1. RFID automates GRN, inventory inward, and inventory transfer.
2. Advanced data capture technology improves visibility across logistics, provides proof of returned items' condition, and eliminates customer disputes.
3. Minimizes time consumed in manual inventory audit.
4. Improved staff productivity with reduced errors.
5. Enhanced staff allotment in every area within a warehouse.
6. Creates a safer workplace with controlled on-site accidents.

TECHNOLOGY PARTNER:



RFID SYSTEM FEATURES:



-

Material Tracking

User Roles

Users

Location

Material

Project

Delivery Shipment

Delivery Receipt

Installation

Inventory

Inventory Details

Transfer Shipment

Transfer Receipt

Direct Receipt

Rejection Details

Stock Count

Dashboard Charts

Elevation Drawing

Band-wise Delivery

Inventory Detail View

Project Name	Location Name	Material Code	Panel Code	Status	Receipt Id	DO Number	Receipt Date	Receipt Remark	Installed Date
							month/day/year		month/day/year
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L6-1	A-L6-B01A-1	InStock	TR0000000203	DN0006527	10-Feb-2023 17:39:15	Vehicle no 59125	
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L6-2	A-L6-B01A-2	InStock	TR0000000168	DN0006527	25-Jan-2023 07:56:27	Vehicle no 59125	
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L6-3	A-L6-B01A-3	InStock	TR0000000203	DN0006527	10-Feb-2023 17:39:15	Vehicle no 59125	
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L7-1	A-L7-B01A-1	InStock	TR0000000203	DN0006527	10-Feb-2023 17:39:15	Vehicle no 59125	
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L7-2	A-L7-B01A-2	InStock	TR0000000168	DN0006527	25-Jan-2023 07:56:27	Vehicle no 59125	
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L7-3	A-L7-B01A-3	InStock	TR0000000203	DN0006527	10-Feb-2023 17:39:15	Vehicle no 59125	
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01A-L8-1	A-L8-B01A-1	InStock	TR0000000170	DN0006954	25-Jan-2023 08:19:43	scanned by George	
Sobha Waves Grande	Facade Factory - 1	A-ACP-V-B01A-L8-2	A-L8-B01A-2	Tag Pending					
Sobha Waves Grande	Central Store	A-ACP-V-B01A-L8-3	A-L8-B01A-3	InStock	DYR0000000008	DN0006527	28-Nov-2022 14:44:25	Vehicle no 59125	
Sobha Waves Grande	Central Store	A-ACP-V-B01-GF-1	A-GF-B01-1						
Sobha Waves Grande	Central Store	A-ACP-V-B01-GF-2	A-GF-B01-2						
Sobha Waves Grande	Central Store	A-ACP-V-B01-GF-3	A-GF-B01-3						
Sobha Waves Grande	Facade Factory - 1	A-ACP-V-B01-L10-1	A-L10-B01-1						
Sobha Waves Grande	Central Store	A-ACP-V-B01-L10-2	A-L10-B01-2						
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01-L10-3	A-L10-B01-3						
Sobha Waves Grande	Central Store	A-ACP-V-B01-L1-1	A-L1-B01-1						
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01-L11-1	A-L11-B01-1						
Sobha Waves Grande	Central Store	A-ACP-V-B01-L11-2	A-L11-B01-2						
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01-L11-3	A-L11-B01-3						
Sobha Waves Grande	Central Store	A-ACP-V-B01-L12-1	A-L12-B01-1						
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01-L12-1	A-L12-B01-1						
Sobha Waves Grande	Facade Factory - 1	A-ACP-V-B01-L12-2	A-L12-B01-2						
Sobha Waves Grande	SWG Store-2	A-ACP-V-B01-L12-3	A-L12-B01-3						
Sobha Waves Grande	Central Store	A-ACP-V-B01-L1-3	A-L1-B01-3						

SOBHA FACADES IND LLC

P.O Box 1696, Plot No.78

Emirates Industrial City

Sajja, Sharjah, United Arab Emirates

Telephone Number: XXXXXX

Email: XXXXX

Website XXXXX

Date: 23-Jan-23

DELIVERY NOTE

Scanned At Project

Project : Sobha CREST

P.O Box XXXXXXX

Dubai

Tel :

Fax :

DO NO : TS0000000162

Date : 23-Jan-23

Factory Location : Central Store

Job No : Based on Entry

Project Name : Sobha CREST

Receipt No : TR0000000161

Delivery Address : The Crest - Gate 01

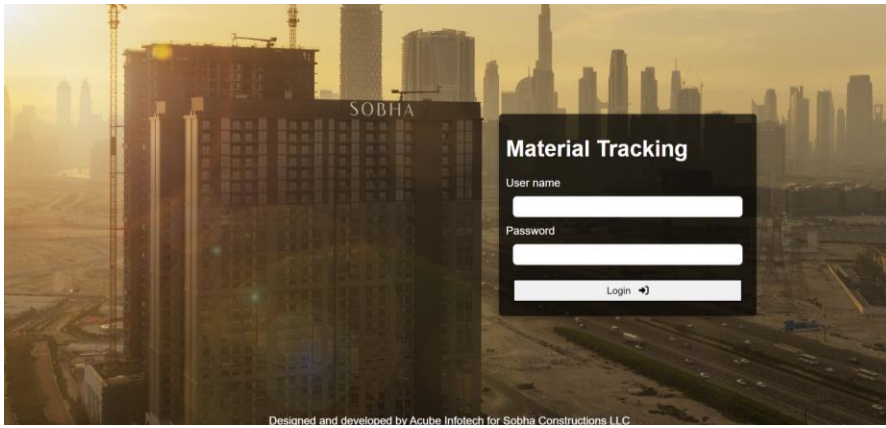
S.No	Description	Panel Code	Unique Code on Sticker	Qty	Remarks
1	UCW-V-26-L1-1		A-L1UCW-V-26-L1-1	1	Received At Destination
2	UCW-V-26-L2-1		A-L2UCW-V-26-L2-1	1	Received At Destination

Downloadable Delivery Note with scanned codes of the panels

1 - 25 of 4912 items

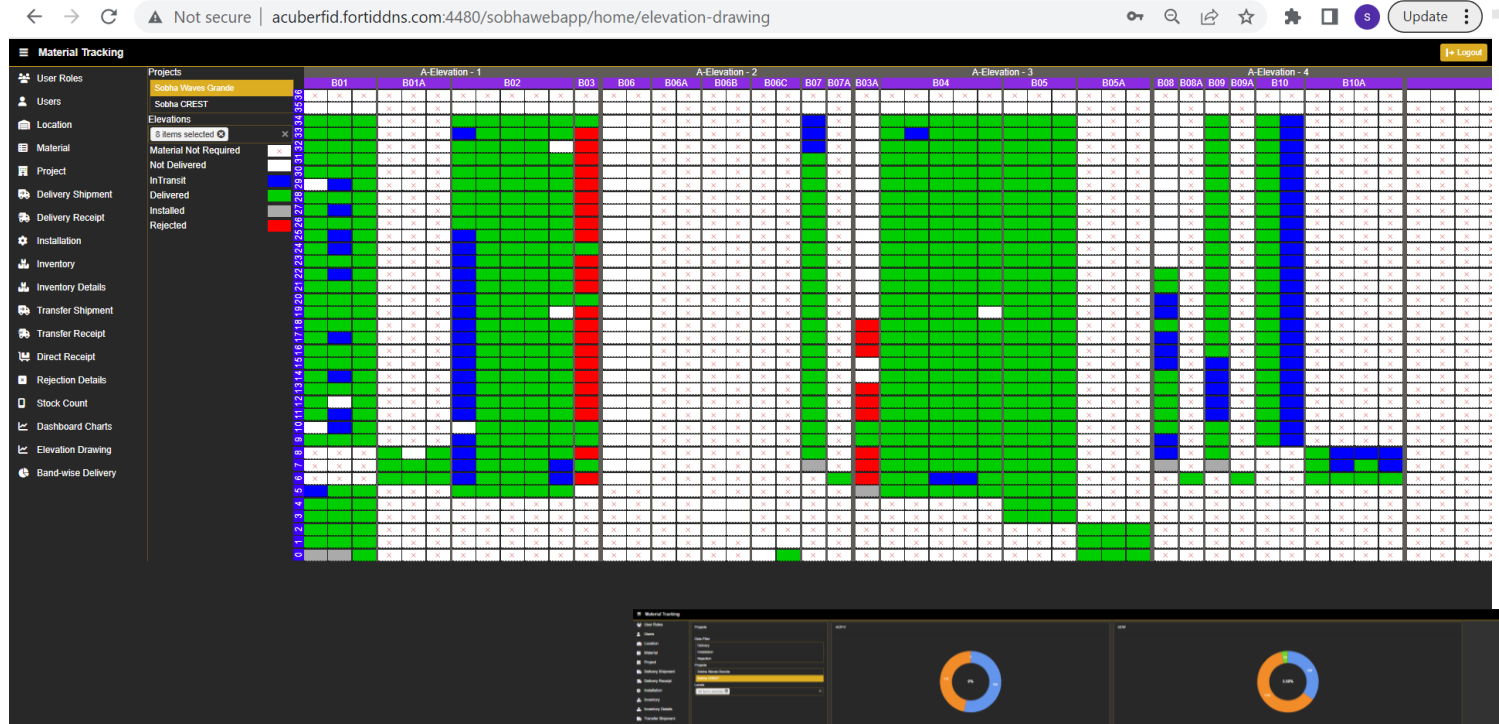
The Inventory-stock gets updated in the software application upon scanning each panel during transit, delivery, installation/rejection with details of its location

6 ASSET MONITORING & ANALYTICS APPLICATION



Address	Shipment ID	Subcontract number	Source location name	Target location name	Document status	Remarks	Modified Date
10000000000000000000	Subid 01	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 10:20:55
10000000000000000000	Subid 02	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 10:40:40
10000000000000000000	Subid 03	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:24:28
10000000000000000000	Subid 04	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56
10000000000000000000	Subid 05	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56
10000000000000000000	Subid 06	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56
10000000000000000000	Subid 07	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56
10000000000000000000	Subid 08	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56
10000000000000000000	Subid 09	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56
10000000000000000000	Subid 10	10000000000000000000	10000000000000000000	10000000000000000000	Received Full	10000000000000000000	20-Jan-2023 11:51:56

Material shipment details and live status updates



The above pictorial representation shows the building elevations sides indicating the façade panel in-transit, delivery, installation, Rejected status



Dashboard with analytics on delivery, installed and pending panels.

7 VEYOR LOGISTICS & DELIVERY MANAGEMENT

Veyor is the digital conveyor belt that helps streamline operations by connecting teams, allowing real-time collaborative scheduling, and digitizing our logistics and delivery management.



Process of booking the material delivery by the vendor.

The delivery for the respective materials can be booked through the app by the subcontractors as per the available schedule (including date, time and duration). The material, truck type, no. of lifts, drop off zone etc. is also added while booking the request.

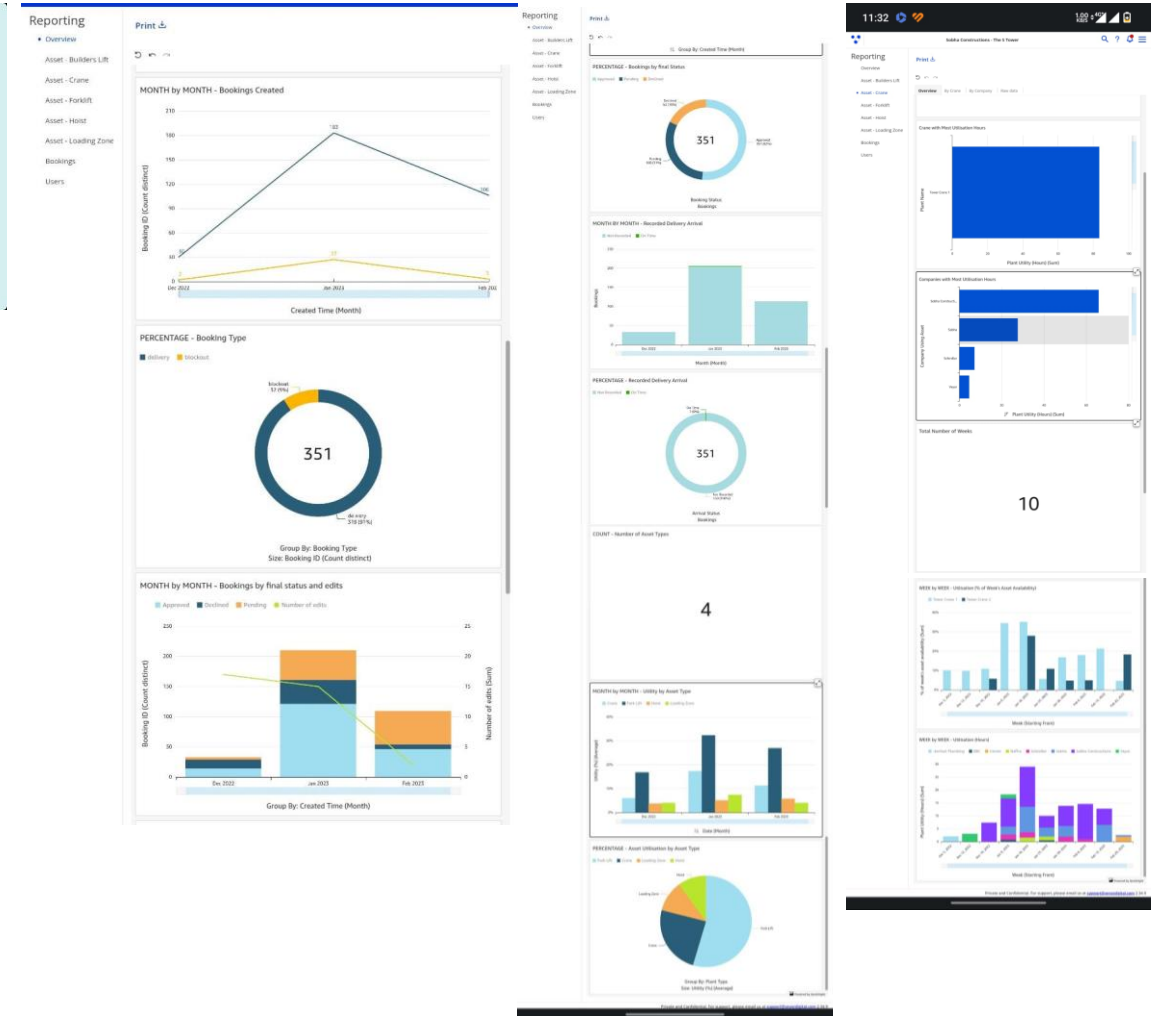
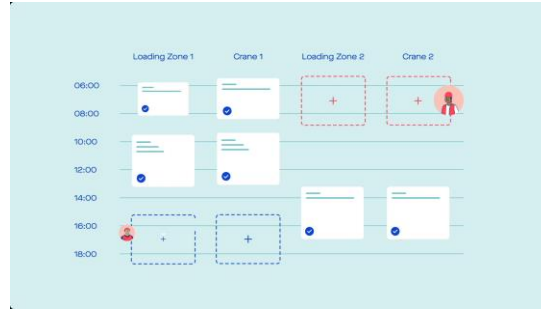
Additional feature of viewing the site map is also available for the vendor.

Notification then goes to our logistics coordinator for approval



Zone wise & equipment wise (tower crane/material hoist/ boom lift etc.) delivery schedule showing the bookings with details on the material

7 VEYOR LOGISTICS & DELIVERY MANAGEMENT: ANALYTICS

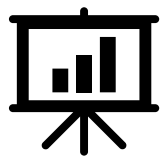


Overview of analytics provided to logistics and site team for data-driven decision making

8 WORK ALLOCATION MANAGEMENT SYSTEM (WAMS)

Using technology solutions for implementing the concept

WAMS (*Work Allocation Management System*), a custom-made application that provides the daily Manpower allocation, Productivity Monitoring, and shortfall analysis



Real time project productivity tracking



Immediate trouble shooting for gaps identified in app



Activity wise, Technician wise and Project wise productivity & progress insights

CHALLENGE OBSERVED (BEFORE WAMS)

- ❖ Conventional manual daily productivity tracking of construction activities becomes cumbersome overtime when dealt with 500+ activities.
- ❖ The productivity is in turn linked with the revenue which would further require manual intervention for a company tracking its revenue and costing on a daily basis.
- ❖ Difficulty in tracking real time progress
- ❖ Difficulty in tracking the technician wise productivity data.

Idea/concept behind the application: DWM or **Daily Work Management** is the Japanese concept of routine management of activities across the organization for consistent result following the management tool of PDCA (Plan – Do – Check – Act)

Process steps in DWM

Role identification

Target and plan setting

Actuals update and subsequent review/analysis

Initiation of action against the gaps identified and execution with respect to the actions initiated

Clarity and demarcation of roles for each level of management

Target indicates the original plan for the project and **plan** indicates the plan created for the day

Level 1(Engineers) and Level 2(Management) **reviewing and analyzing the data**

Resolution of gaps by the engineer/Management (based on level of gaps)

Application use and steps

Parameter and Target Setting

Deployment of targets as per designation/role

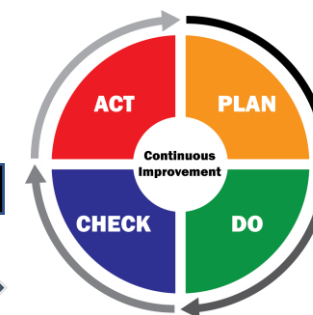
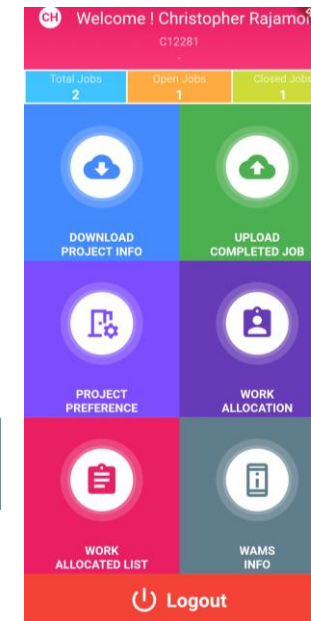
Updating actuals by the assigned employee

Monitoring of actuals, progress and deviations by management

Foreman allocates the work under technician name in the WAMS mobile app including level, flat no, activity , sub activity & time details

Foreman enters the actuals of the completed activity.

Management analysis the data and takes improvement action where gap is observed



8.1 WORK ALLOCATION MANAGEMENT SYSTEM (WAMS)

WORK ALLOCATION



8.2 WORK ALLOCATION MANAGEMENT SYSTEM (WAMS)

TRACKING

The screenshots illustrate the 'Allocated Work List' tracking process in the WAMS system. The interface includes a top navigation bar with a back arrow and a 'DEBUG' label. The main form contains the following fields and controls:

- Work Date:** 10-May-2022
- Is Closed:** ☐
- SEARCH, ALL, BACK** buttons
- UOM:** Square Meter
- START TIME:** 10-May-2022 16:53
- STOP TIME:** 10-May-2022 16:55
- ACTUAL WORK:** 20
- REWORK:** (empty field)
- IS HELPER:** ☐
- SELECT REASON FOR GAP:** (dropdown menu)
- CLOSE, DELETE** buttons

The workflow steps shown are:

- Initial form view with a numeric keypad for 'Actual Work'.
- Selection of a reason for gap from a dropdown menu.
- Confirmation dialog box: "Please confirm below details".
- Final confirmation and successful job closure message.

Update actuals with respect to the project, building, activity and sub activity

Identify and mention the reason for gaps (deviation from target, if any)

Confirm details and submit

9 AI IN SAFETY MANAGEMENT (INCIDENT REPORTING)

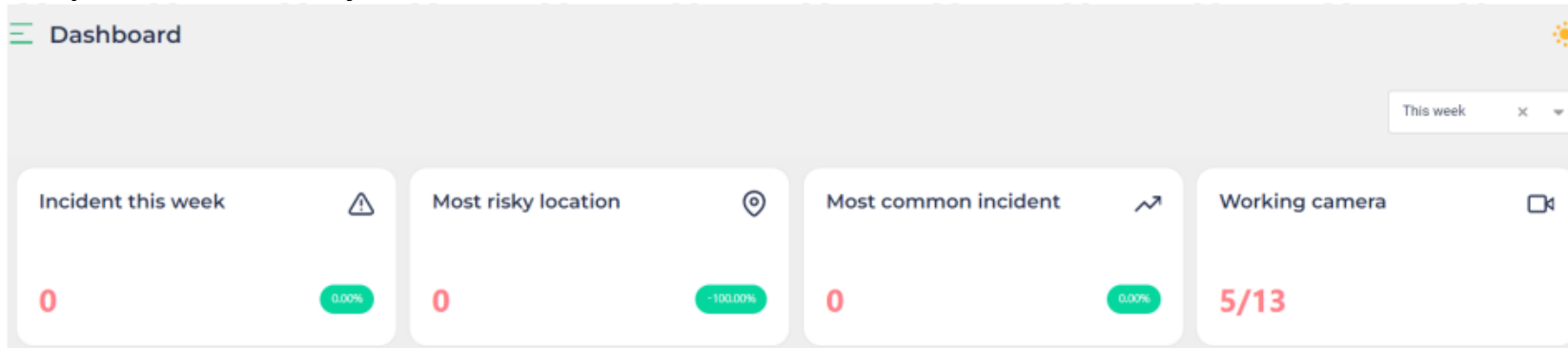
Traditional practices often fall short in addressing the complexities and evolving challenges of modern workplaces and therefore, with the changing dynamics of work environments necessitate a more **adaptive and proactive approach to safety**.

Hence **cameras integrated with AI technology** are placed in our sites for faster and precise detection of violations without the need for human intervention

Information available through the dashboard

- Number of incidents in a day, week and month.
- Most risky location
- Most common incident
- All incidents
- Summary report and Detailed report

Sample Dashboard Only



In our construction sites, safety is our top priority. Identifying safety incidents promptly is important in construction sites to prevent accidents and ensure worker well-being

Traditional methods rely on manual observation which may cause for missing out on observations or even prone to delays. Implementing an automated safety incident detection system leveraging AI and video analytics can significantly enhance safety protocols.

Access to real-time site safety alerts is crucial for us – to address issues promptly and make informed decisions. However, obtaining timely updates and insights often proves challenging, especially for geographically dispersed projects. Implementing a live-view dashboard that integrates data from various sources with a comprehensive overview of site activities is important for 100% safe site.

9 AI IN SAFETY MANAGEMENT (INCIDENT REPORTING)



PPE Compliance



Proximity to Machine



Overcrowding



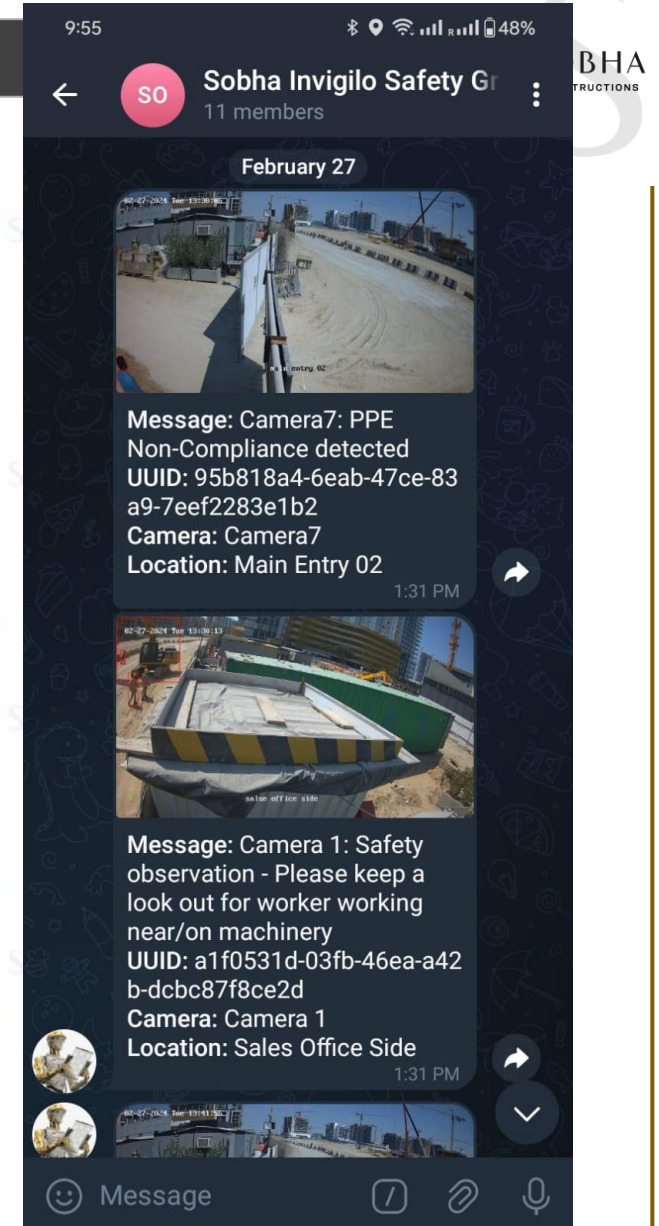
Fire Detection (Night)



Fire Detection (Day)



Smoke Detection (Day)



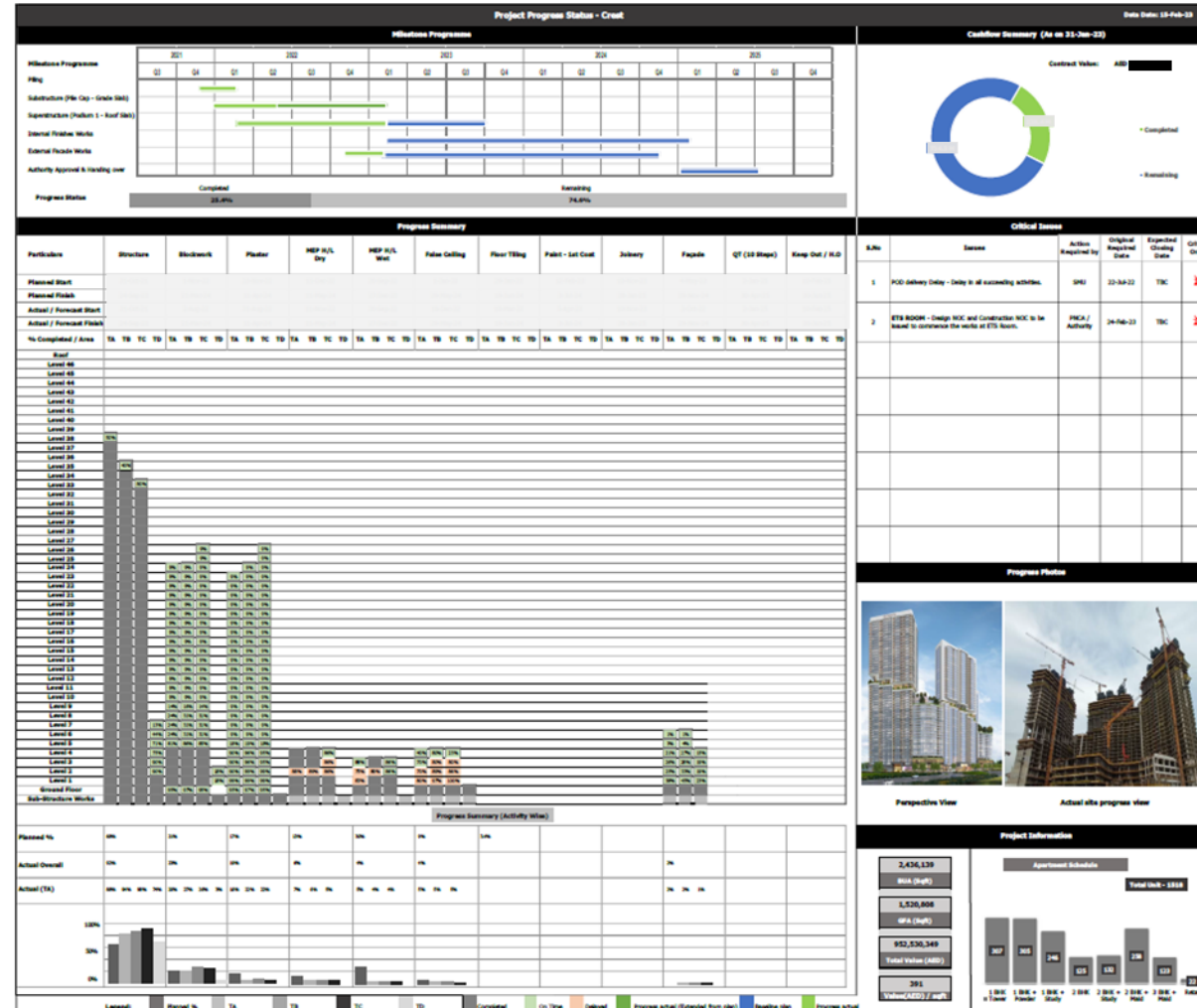
10 PROGRESS DASHBOARD

- The project progress BI dashboard is a daily updated information system which provides an overall insight to the Management and Client on the current progress of the project with respect to the baseline plan, discipline wise progress, delays, project on-site photo, revenue achieved till date, critical issues/orders and its alerts.

Progress with respect to overall progress

Discipline/Activity -wise progress

Summary



Revenue progress

Alerts/Critical issues

On site progress photo

Project information

11 ONLINE TRACKING OF MOISTURE CONTENT USING IoT SENSORS



1. Positector CMM moisture meter will be fixed inside the shear wall
2. Moisture level can be monitored on Android/IOS application and standard levels are ensured.