



Bringing Office & Field Communication
into One interface.



LATTICE Overview

About Us

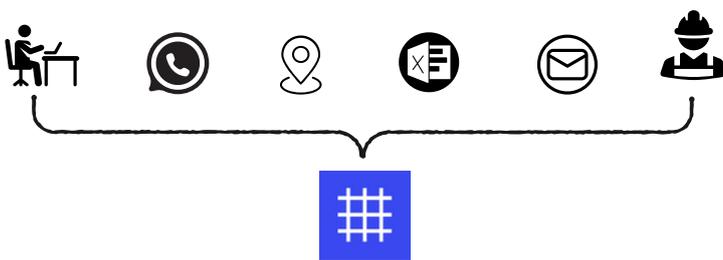
A web-based field management platform serving as a centralized hub to streamline data exchange between field and office teams involved in infrastructure projects across multiple locations. It's a map-based tool for enhancing efficiency and making data-driven decisions.

Mission

Bridge the gap between office and field teams, enabling field teams with digital data and power of maps, ensuring that all information for on-site tasks is easily accessible in one single location.

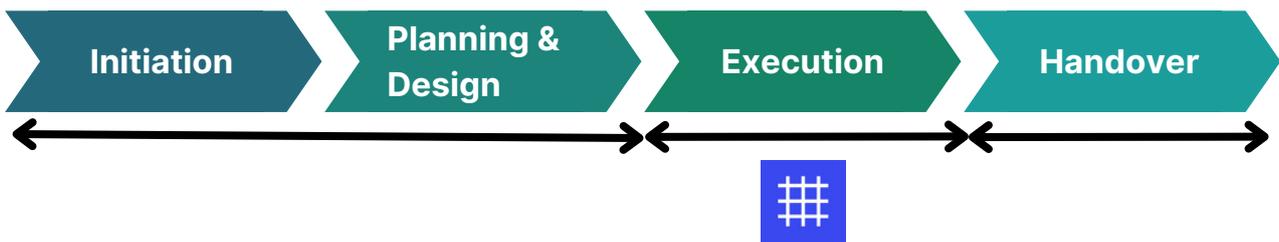
Vision

Our vision is to become a powerful tool utilized for asset delivery and maintenance throughout the entire organization, driving efficiency and productivity while actively trying to reduce the environmental impact.



Where we come in

The execution phase involves overseeing multiple assets/projects in multiple locations with various subcontractors/stakeholders, creating a significant need for a dedicated software to digitize and streamline the delivery process.



Benefits

Time- Increase efficiency by saving time in admin tasks, analysis & reporting

People- Everything in one place helps office and field to navigate the project better and with ease

Cost- Save on paper printing, fuel and costs associated with saving manhours to increase productivity

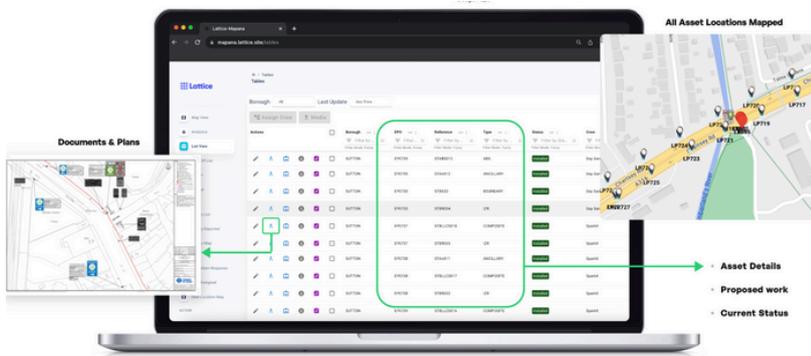
Sustainability- lower your carbon emissions by incorporating a software rather than manual process



Use Cases

➤ Asset Delivery

Create a list of assets/projects (like excel) and generate map view (like google) having all the information for the assets in one place i.e construction drawings, pre-start documents, forms, photos, comments, logs etc. helping in data sharing and data collection with the field teams.



Digitised forms/ site diary/ work notes



Assign tasks to multiple crews



Auto status-updates



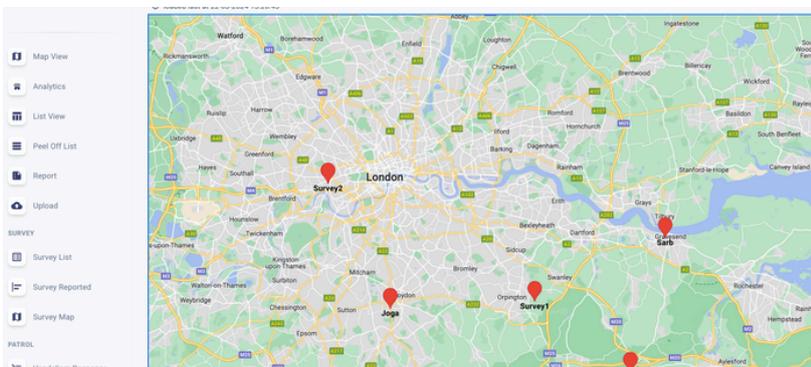
Analysis & Progress Reports



API integration

➤ Asset Survey & Maintenance

Created an app specifically for daily surveys and reactive maintenance of assets enabling field teams to generate optimized routes for navigating through all assets/task orders within a designated area efficiently.



Route Optimization & distance calculator



Live Fleet Tracking



Task/Work Order generation



Any device anywhere



Camera Integration



Case Study- ULEZ



Challenge

TKJV faced challenges in managing data due to large volume of ULEZ signboards across multiple locations. These included difficulties in sharing information among subcontractors, collecting completion photos via WhatsApp, visualizing overall project progress, collating data for Asset Management, and conducting data analytics and reporting.

Solution & Outcome

To tackle the above issues, Lattice provided a collaborative platform for all stakeholders (project managers, coordinators, field supervisors, subcontractors) involved in managing, installing and tracking ULEZ signboards. This allowed users to share information and update real-time statuses of all the signboards. A digital twin of all the sign locations on a map View was provided for a better visibility of project progress.

Benefits



30 Man hours/week saved

- Printing and creating folders
- Data collection and compilation (like photos in whatsapp)
- Reporting & Analysis



~ £1800/week saved

- Man-hours
- Paper printing & folders
- Reduced fuel usage (optimized routes)



- All information in 1 place helped high-crew function better
- Efficient route planning helped crews to complete work faster



- **14.2 kgCO2e** reduced carbon emissions
- **165 litres** of water saved in paper printing

Case Study- Lighting

Challenge

Similar to ULEZ, managing multi-location, multi-asset projects was a big challenge. Traditional tools struggled with decentralized data sharing. Daily tasks and collecting work completion reports from different crews became cumbersome. A comprehensive overview of project progress was missing.

Solution & Outcome

Lattice offered a unified platform for seamless data sharing and collection, providing essential information to all crews involved in managing assets. Features such as digital work notes, forms, and site diaries simplified data collection, ensuring accessibility for everyone in the field. This enhanced productivity and efficiency, ultimately leading to improved project outcomes.

Benefits



20 Manhours/week saved

- Printing and creating folders
- Data collection and compilation (like photos in whatsapp)
- Reporting & Analysis



£1200/week Saved

- Man hours
- Paper printing & folders



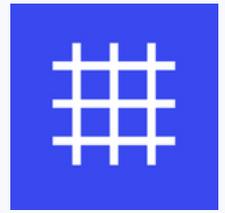
- All information in 1 place helped nigh-crew function better
- Digital work notes and forms helped in remote supervision



- **34.3 kgCO2e** reduced carbon emissions
- **400 litres** water saved in paper printing



Thank You!



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