

Operation Performance Management (OPM)

We turn your site's raw data into real-time
actionable intelligence!



Solutions for Creating Productive, Profitable & Safe Construction Environments

OPM

Operation Performance Management

Improve responsiveness, throughput, quality, agility, efficiency & cost.

Workforce
Management



Productivity
Management



Safety
Management



Mustering & Evacuation
Management



Attendance
Management



Visitor / Event
Management



OPM Features

Attendance

- Quick Workforce Entry/Exit
- Time & Attendance Control
- Remote Clock-In/Out
- Proof of Presence
- Wireless Roll-Call

Workforce

- Real-time Workforce Visibility
- Labor Cost Tracking
- Workzone Productivity Tracking
- Subcontractor Management
- Visitor Tracking

Safety

- Mustering & Emergency Evacuation
- Real-time Man-down Detection
- Real-time SOS Alerts
- Safety & Training Management
- Incident Management

Analytics

- KPI at Multiple Levels
- Who's In & Location Occupancy
- Member Visibility
- Location Activity
- Workforce Analytics

Project Productivity

- Project Completion Tracking
- Task Productivity Tracking
- Workforce Allocation Management
- Work Completion Capturing
- Planned Vs. Actual KPI

Alerts & Notifications

- Rule-based Alerts
- Notifications
- Site Mass Alert
- Actions (siren, light strobe, SMS, Email)
- Manage Restricted Location Access

Integration

- Primavera P6
- Extensive APIs
- Import/Export Wizard
- IRIS
- Access Control

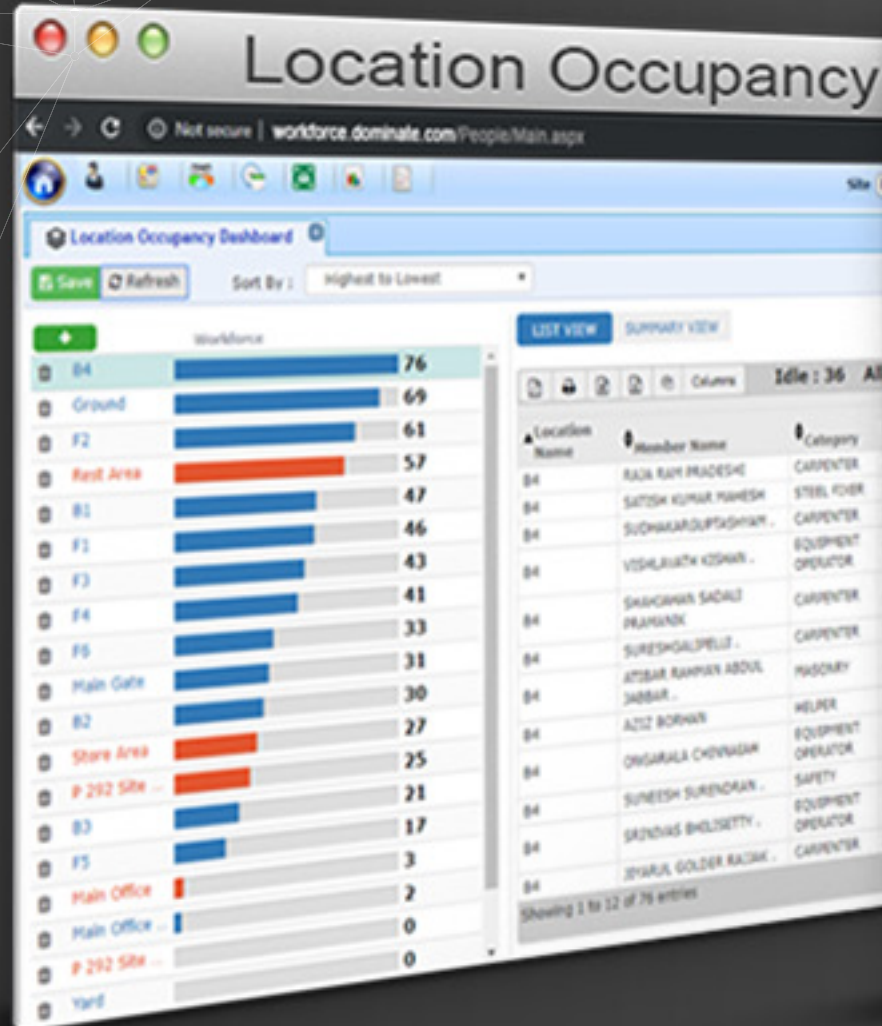
Patented Hardware

- No AC power Required
- No Network or Wi-Fi Required
- Battery-based (long lasting)
- Designed for Harsh Environments
- Quick DIY installation

Real-time Dashboards



Real-time Dashboards



Incident Dashboard

Incident Dashboard

Respond Resolved Refresh

Search:

Status	Event Type	Event Time	Event Location	Current Location	GPS	Member ID	Name	Category	Title	Direct Manager	Image
Responded	SOS	26/08/19 11:42:21	Ground Floor	Podium-03	-	S0019317	TAJ ALI HAKSHED	Trades Work	Steel Fiver	Kunurjun Kumar Sutradha Chandra Sutradha	
Responded	SOS	26/08/19 11:30:08	Offices	Offices	-	S0002738	RAKHEET SINGH	HSE & Safety			
Responded	SOS	26/08/19 11:21:31	Ground Floor	Basement-02	-	S0009418	RAKINDER SINGH SURINDER SINGH	Foreman	Carpenter Foreman	KAMEL HAKESI THAKELSEN	

Showing 11 to 13 of 13 entries



If You Can't Measure It, You Can't Improve It.

Peter Drucker

Project Visibility provides digital footprint of projects, activities & workforce.

Increase performance with quantified data, enabling management to make confident, data-driven decisions.

Real-time visibility allows managers to identify idle workforce & re-allocate resources to meet changing circumstances.

Sub activity holds contractors accountable for correct billing & meeting delivery schedules.

Watches your bottom line without you watching it. The AI driven algorithms monitor actual productivity vs. planned targets & provide recommendations for better management of resources.

Spotted skill gaps & measured productivity allow for identifying worker engagement & motivation as well as establishing efficient training programs & investing in workers to maintain the quality people & tackle the skills shortage crisis.

Data Protection & Anonymization to safeguard personal or sensitive data.



Why Dominate SmartSite?

Digital Transformation Made Easy

- Extensive implementations and experience in mega projects.
- Plug & play Installation
- Integrated and ready to go
- 100% Mobile-enabled (iOS & Android)
- Real-time visibility of workforce, subs, projects and tasks.
- Ensure Safety and Security.
- Ensure workforce compliance with Labor Laws.
- Prevent cost overruns, overtimes and schedule delays.

Zero Investment & Risks

- Bundled hardware & software.
- Low-cost cloud-based subscription model.
- No upfront costs, no CAPEX.
- No long-term contract.

Hardware Agnostic

Passive RFID



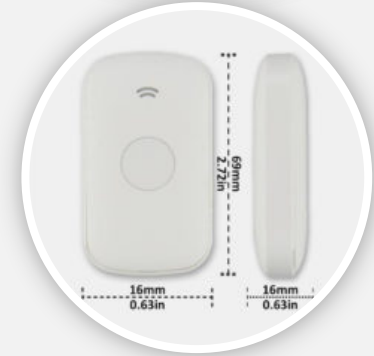
Active RFID



Sensors



GPS Devices



A few of Active RFID Hardware

For full list, please visit <http://dominatesmartsite.com/hardware>

Personnel Tags BLE-based



Helmet Tag



Belt Tag



ISO Card Tag



Wearable Tag

Personnel Tags BLE-based

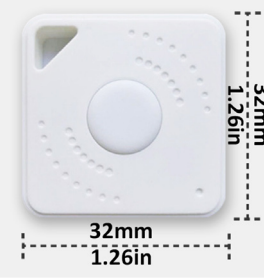


Ø 38.12mm
Ø 1.50in

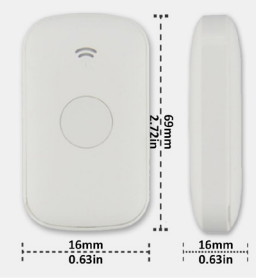
Pendant Tag



Visitor/Staff Tag



Keychain Tag



GPS Tag

BLE Mesh Network



Location Anchor



Location Router



Event Notification













IoT Gateway

Designed for Harsh Environment

- No AC Power Required. Runs on long-lasting Battery (12 months).
- No Internet Connection Required (Creates its Own BLE Mesh Network).
- Quick Installation and Expansion (less than 2 minutes per device).
- High Availability with No Single Point of Failure.
- SOS Button for Emergency Alert Notification.
- Read Range of Up to 100 Meters (329 ft)
- Encrypted and Secured Network.
- IP67 Ratings (water & dust proof)
- Complete Site Coverage.
- Man Down Detection.













Real-time Visibility Like Never Before!

-  Who is onsite or offsite (site map and geo-location)?
-  Where are they at any given time?
-  How much time they are spending in unproductive zones?
-  How many hours have been spent on a task?
-  What project the crew is working on? Who is currently idle?
-  How much is your workforce and subs costing you per shift?
-  What resources have the subcontractors placed at the site?
-  How much work has been completed thus far?
-  What are the actual labor hours/costs vs. planned?
-  What is the actual completed work vs. planned?



Real-time Visibility Like Never Before!

-  What is the actual productivity vs. planned?
-  Is the project on schedule? If not, what is causing the delay?
-  Is the project on budget? If not, where has the cost overrun?
-  Which foreman is the most productive?
-  How much time is each foreman spending with his team?
-  What trade resources are available for job allocation?
-  Are the subcontractors billing correctly? Are they on schedule?
-  What are the cost accounts and deviations from planned?
-  Who has not completed safety training?
-  Is everyone accounted for in an emergency evacuation?
If missing, where are they now?



Data



Real-time dashboards providing information about **time & attendance, worker safety, costs, delays**, etc.

Example

Time & Attendance

There are presently 578 workers on site. There were 120 late arrivals and 15 people did not show up ...



Insight



Up-to-date reports providing insights into **project performance & risks**.

Example

Project Performance

Excavation work in zone B1-C2 was planned for 580 hours, but after 700 hours of work, it is only 78% completed. \$12,080 of cost overrun is expected for this task. This is mainly due to Trade D's poor performance...

Action



Advanced analytics providing recommendations for better **management of resources**

Example

Recommendations for Workforce Management

Task B is of high priority. Needs to get done by the end of the week before task C is started. With 350 hours of overtime, the task will be completed only if it is carried out by groups E or L who have demonstrated the best skill & performance in similar situations...



Real-Time Visibility

1

Examples

Time & Attendance

Presently, there are 1,347 workers on site. 34% are direct & 66% are subs. There were 49 late arrivals & 70 are absent. There were 20 early departures from yesterday.

Idle Workforce

Currently, there are 10 idle workers at the site.

Subcontractor Management

There were 18 ghost workers detected among Subcontractor009's list during the last 4 weeks.

Arrival & Departure

Trade B's workers take their lunch break 25 minutes early everyday.

Worker Health & Safety

16 workers from Group A have worked more than 5 hours overtime everyday last week, which can be harmful to their health.



Real-time Insights

2

Examples

Workforce Productivity

1000 cubic meters of excavation is taking up to 110 man hours in zone B1-C3, while with the same equipment, it took 50 hours in zone B1-A2.

Workforce Management

Group C is 35% less productive than expected. Perhaps they are working under improper conditions, or they lack proper equipment or materials.

Subcontractor Performance

subcontractor011 has been the least productive last month, with 25% of productivity lower than expected.

Schedule Issues

Electrical wiring in location A was planned to be done in 140 hours. The group has been working for almost 200 hours now, and it will apparently take another 50 hours. At this rate, it is reasonable to expect one week of delay.



Advanced Analytics

3

Examples

Workforce Arrangement

Which team members are more skillful, have training certificate and have performed best in previous tasks? We can assign them to the high priority task at hand.

Risk Mitigation Plans


It is necessary to finish the plumbing work before winter begins. Therefore, it is necessary to hire more plumbers.

Financial Decisions

It will be rainy for 3 days. This means labor cost and little productivity, plus risks for workforce and equipment. Should we put the project on hold?

Tactical Advices

Company's profit margins are being gobbled up by overtime due to poor productivity during those hours. Perhaps we need to cancel overtime shifts & increase the number of workers during regular hours instead.



Collaborate with **multiple teams** across **multiple sites** to better manage projects, resources, time & attendance, costs, etc.

Benefits:

- Mitigate risks.
- Gain full visibility into all activity across your construction site.
- Analyze data in real-time to assess quality and detect vulnerabilities.
- Achieve improved productivity and profitability.
- Proactively prevent schedule delays and cost overruns.
- Enhance discipline and accountability.
- Encourage performance driven working environment.
- Enable workers on different parts of the chain to be more efficient.



Our Goal

Partner with our clients to transform their organizations in the ways that matter most to them.

This means embedding digital, analytics, & design into core processes and mind-sets; building capabilities that help organizations and people to thrive in an ever-changing context; and developing excellence in execution to ensure that actions translate into outcomes, quickly and sustainably.



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