Smart Workforce & Productivity Management

Improve Agility, Throughput, Efficiency, Quality, Safety and Costs!



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Workforce Challenges

Who is onsite or offsite (site map and geo-location)? 2 Where is your workforce at any given time? How much time is your workforce spending in unproductive zones? What trade resources are available for job allocation? What resources have the subcontractors placed at the site? How much are your subcontractors costing you per shift? Who has not completed safety training? Is everyone accounted for in an emergency evacuation? If missing, where are they now?

Who are high safety risk individuals in your operation?



Productivity Challenges

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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? How much time is each foreman spending with his team? Which foreman is the most productive? What project is the crew working on? Who is currently idle? How many man-hours have been spent on a task? What are the actual labor hours/costs vs. planned? Are the subcontractors billing correctly? Are they on schedule? What are the cost accounts and deviations from planned?



Solutions for Creating Productive, Profitable & Safe Working Environments

Smart Workforce & Productivity Management

Improve agility, throughput, efficiency, safety and costs!

Attendance Management

Workforce & Sub. Performance Management



Productivity

Safety Management Mustering & Evacuation Management

Visitor Management















Workforce & Subcontractors Safety

Automated man-down (fall-detection) and Panic/SOS emergency alerts.

Expedite emergency response to the affected person.

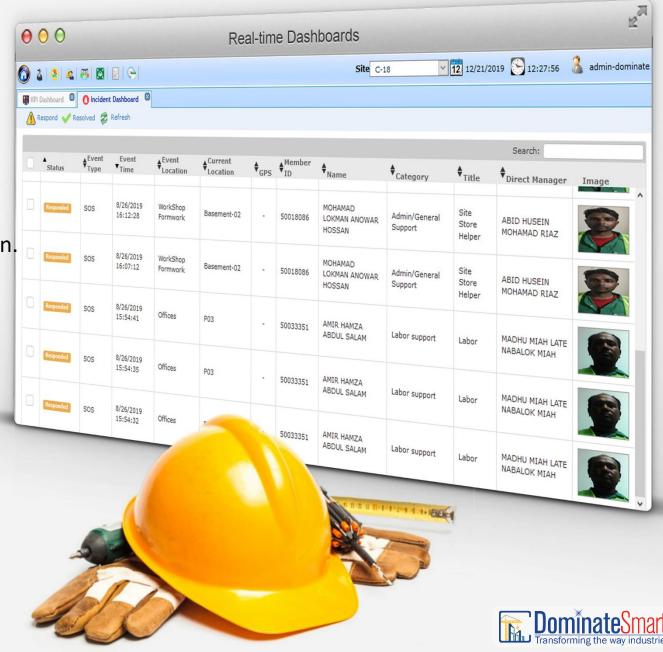
Identify high safety risk individuals in your operation.

Safety Training

Comprehensive safety and skills training with auto re-training reminders. Alerts if un-authorized person is operating an equipment.

Reduce Incidents

Reduce hazardous incidents or near misses as they happen. Helps in root-cause analysis of incidents to improve site's safety.



Mustering & Emergency Evacuation System

Improve Site's Evacuation Measures

Makes safe and timely evacuation the cornerstone of your emergency management plan.

- Wireless management of site emergency notifications.
- View people present at each assembly area (safe zones).
- Know precisely who is missing and their last reported location and time.
- Real-time mobile dashboards continuously update with the latest data.



Wireless Attendance Management

Indoor or Outdoor, Anywhere, Anytime.

Real-time visibility of workforce, contractors and visitors.

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



Before installing Dominate Smart Workforce & Productivity Management. Site's entry & exit time was reduced by 90 minutes per shift for a workforce of 1,500.

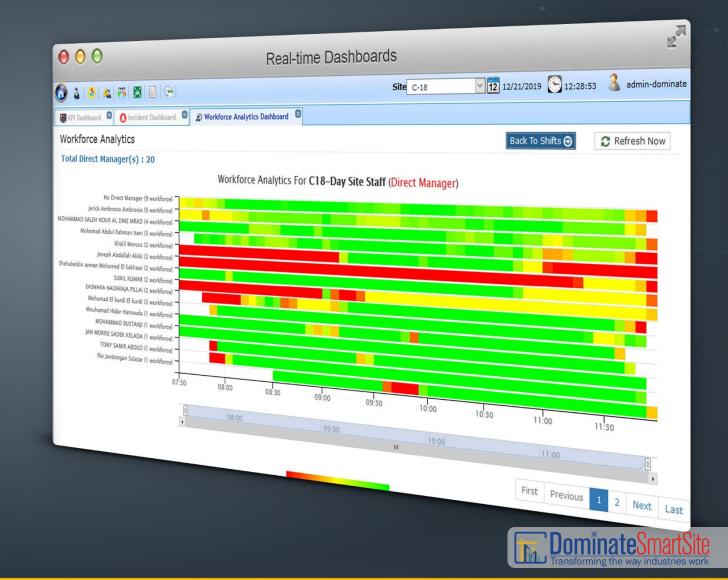


Wireless Workforce & Sub. Tracking

Do more with fewer resources.

Identify idle workforce, and effortlessly allocate available resources to increase your operations velocity and reduce costs.

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



Balance Workforce Capacity

Real-time data for the decision makers

Balance your workforce workload to gain efficiency and minimize labor costs.

Schedule workforce based on skill sets
 Real-time workforce update dashboard
 Labor forecasting and scheduling
 Track absence, leave and overtime hours

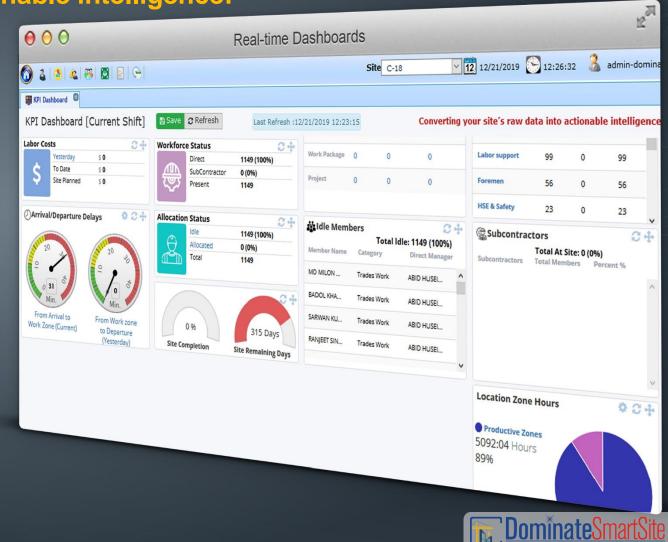


Analytics

Converting your site's raw data into actionable intelligence!

Analyzes data gathered from a wide variety of sources to uncover patterns and trends that will deliver actionable insight to your operation.

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



Productivity Management

No more managing projects from rear-view mirror!

Real-time productivity tracking of planned vs. actual KPI, helps project managers to quickly identify the bottlenecks and deliver projects on time and on budget.

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

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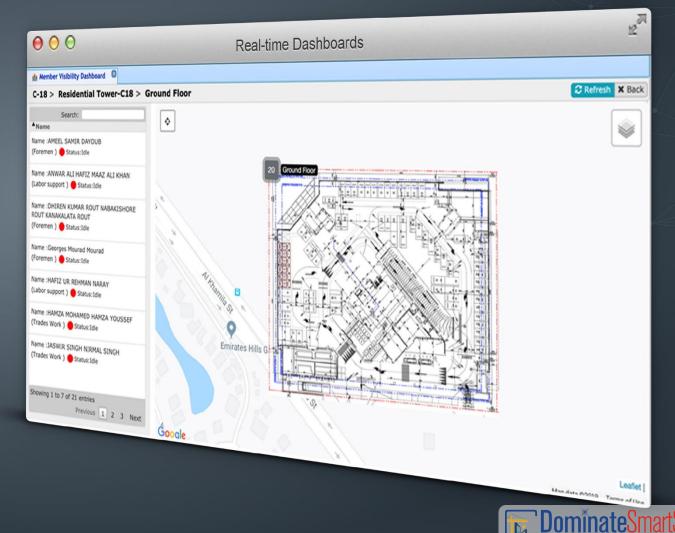
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Real-time Alerts & Integrations

Watches your operation without you watching it!

Real-time alerts & notifications bring accountability, validation and security at every level.

- Rule-based Alerts
- Site Messaging Notifications
- Site Mass Alerts
- Manage Restricted Location Access
- Actions (Pop-up message, SMS, email, siren, light strobe)

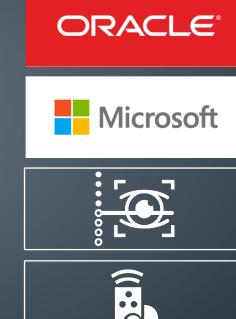


Integrations

Energize your Existing Applications with the power of IoT!

Built-in integrations with Primavera P6, MS Project, Ayap, access control, IRIS devices and extensibility features enable you to extend your business applications with real-time insights from streaming IoT data to improve efficiency and derive more value from your existing business applications.

- Primavera P6
- Microsoft Project
- Extensive APIs
- Import/Export Wizard
- Power BI
- IRIS & Access Control





End-to-End Security

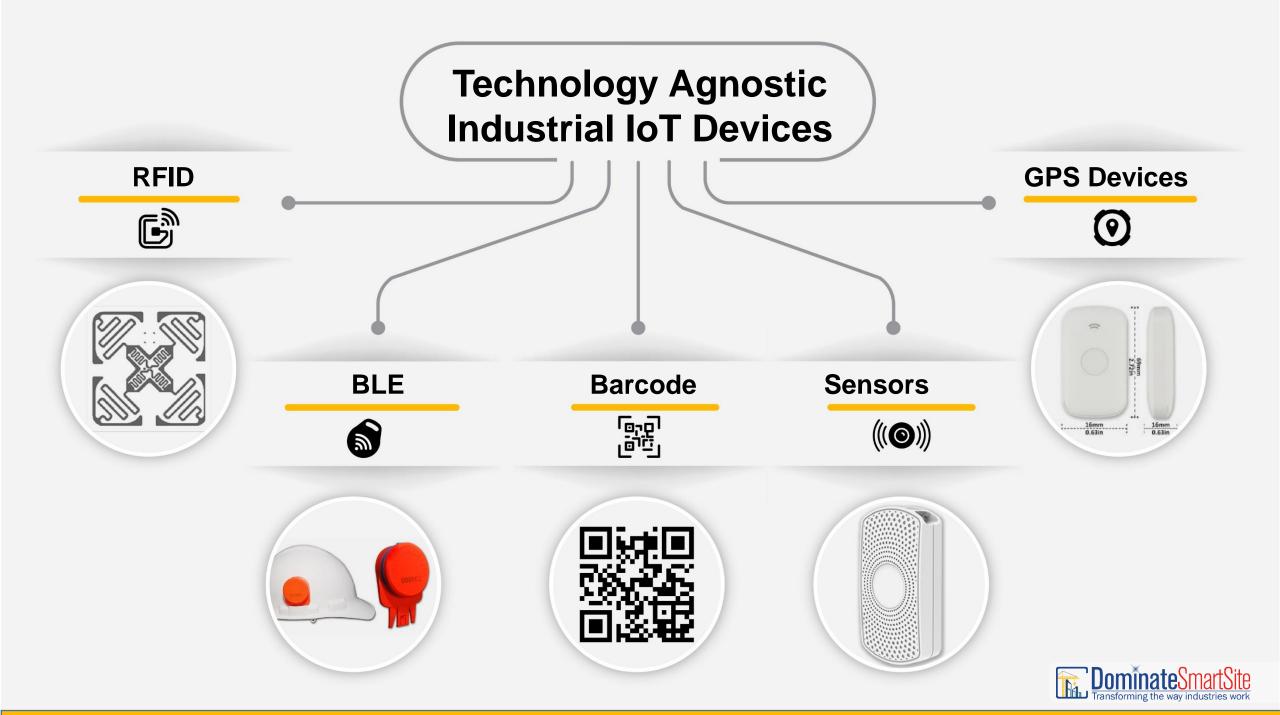
We Take Security Seriously!

Through unique device identification, system provides secure environment of trusted devices and communications. Authentication is enforced prior to communication for proof-of-origin of data. Transport-level security helps prevent corruption. Role-based and user-based access control manages cloud and mobile access.

Role and user-based access control

- O HTTPS point-to-point connection
- Message integrity, confidentiality and replay protection
- Node authenticity
- AES 128 counter mode
- OMAC1 message integrity
- O Transport-level security



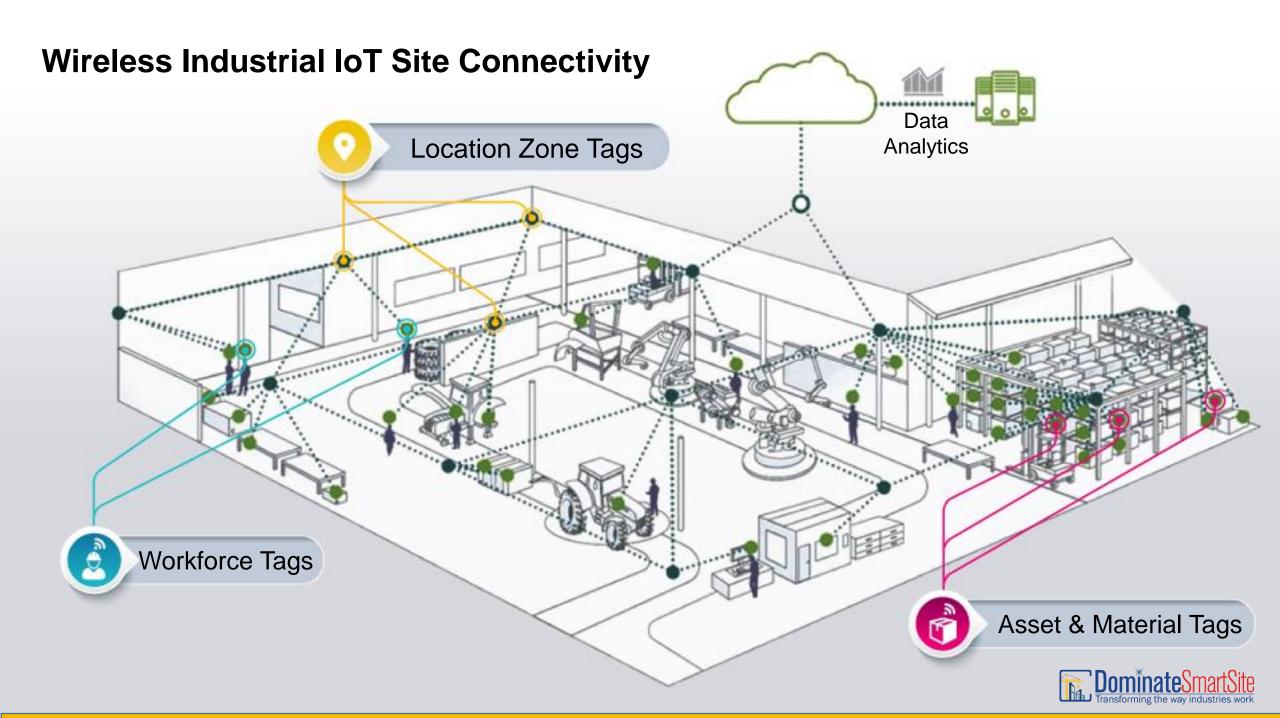


Plug & Play Industrial IoT Hardware

IoT That's Ready to Use. Ready to Build. Ready to Scale.

Pre-configured IoT hardware designed for harsh industrial environment without a need for AC power or network connection enables your operation to be IoT ready within days.

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).
Read Range of Up to 100 Meters (329 ft)
IP67 Ratings (water & dust proof)
Man-down (fall detection)
SOS button for emergency alert notification
High Availability with No Single Point of Failure



Examples of our IoT Personnel Hardware

For full list, please visit http://dominatesmartsite.com/iot-hardware



Real-Time Visibility

Example

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**

Example

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

Example

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.



Action Data Insight Advanced analytics Real-time dashboards Up-to-date reports providing providing recommendations providing information about insights into **project** for better **management** time & attendance, worker performance & risks. of **resources** safety, costs, delays, etc. Example Example Example **Recommendations for Time & Attendance Project Performance Workforce Management** 578 workers on site Excavation work in zone Task B is of high priority. 120 late arrivals B1-C2 was planned for 580 Needs to get done by the end of hours, but after 700 hours of 15 no-shows the week before task C is started. 10 idle workers work, it is only 78% completed. With 350 hours of overtime, the 100 in zone A \$12,080 of cost overrun is task will be completed only if it is expected for this task. 225 in zone B carried out by groups E or L who This is mainly due to Trade D's have demonstrated the best skill poor performance...

& performance in similar situations...



Why Dominate Industrial IoT?

Key System Features

- End-to-end IoT Solutions or enable your existing applications with IoT.
- SaaS or on-premise installations.
- Quick learning curve with minimal operation disruptions.
- Plug & play, pre-configured and ready to go IoT hardware.
- Technology agnostic with quick DIY hardware installation.
- Mobile-enabled (iOS & Android).
- End-to-end security.

Zero Investment & Risks

- Low-cost bundled hardware & software monthly subscriptions.
- Accelerate time to value with no upfront costs or CAPEX.
- No long-term contract (maximum 6 months).

Worry-free Support

- Online knowledge base access.
- Remote dedicated consultants.
- On-site full-time dedicated consultants.
- Free data migration.



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

Benefits:

- Build accurate models of time and resources required to perform tasks.
- Mitigate risks.
- Gain full visibility into all activity across your site.
- Analyze data in real-time to assess productivity and detect vulnerabilities.
- Proactively prevent schedule delays and cost overruns.
- Encourage performance driven working environment.
- Enable workers on different parts of the chain to be more efficient
- Enhance discipline and accountability.
- Improve sit's evacuation measures.
- Achieve improved productivity and profitability.
- Identify high safety risk individuals in your operation.



Our Goal

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

This means embedding digital, analytics and 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.





Subscription
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