



DominateSmartSite
Transforming the way industries work



Begin Your Digital Transformation

Reimagine Operations in the Era of Industry 4.0

Table of Contents

1

Smart Workforce & Productivity Management

2

Plug & Play IoT Hardware

3

End-to-end Security & Integrations

4

Why Dominate Smart Site?



1

Smart Workforce & Productivity Management

Smart Workforce & Productivity Management










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



Smart Site Platform











A Product of Dominate SmartSite

Workforce Challenges

-  Who is onsite or offsite (site map and geo-location)?
-  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

-  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?





Safety First



Man-down (Fall) Detection

Advanced BLE with built-in Motion Sensor identifies a fall in real-time. It transmits the time, location, name and picture of the affected person to the safety personnel.



SOS/Panic Notification

The BLE personnel tags are equipped with SOS/Panic button. The push-button allows the person in stress to alert the safety team of an urgent situation. It transmits the time, location, name and picture of the person to the safety personnel.



Safety Training

- Comprehensive safety and skills training.
- Auto re-training notifications.

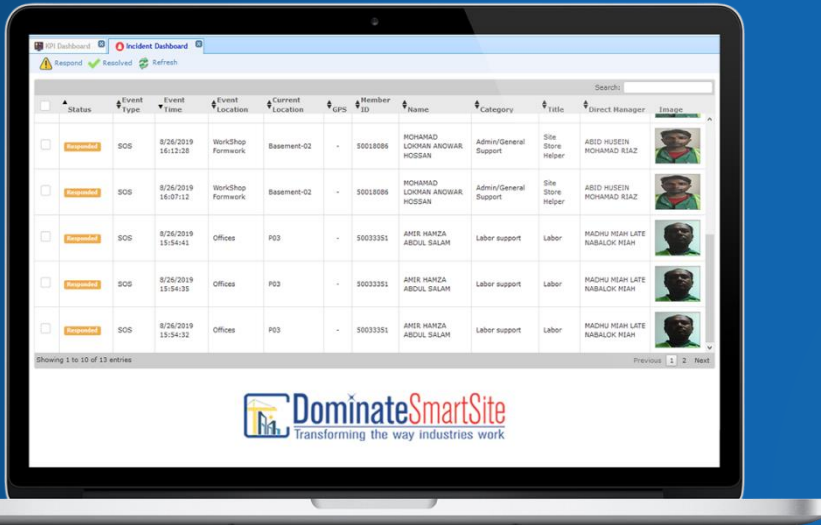


Incident Dashboard

- Real-time incident dashboard provides the bird-eye view of all the ongoing incidents at the facility. Each incident is recorded with “Event Location” and “Current Location” of the affected persons.
- It segregates the incidents by incident type and allows the safety personnel to respond to an incident and close it after investigation.
- Complete history reports are available for future analysis.

Restricted Location Control

- Detects and identifies anyone that is restricted from arriving at an unauthorized location.
- Alerts Security and safety personnel in real-time.

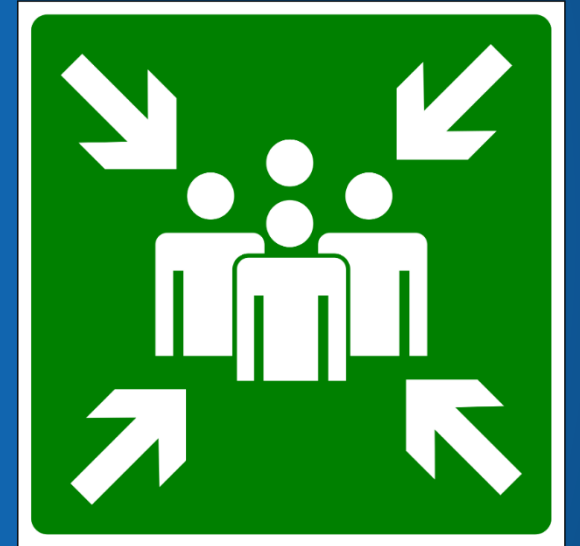


Mustering & Emergency Evacuation System

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.

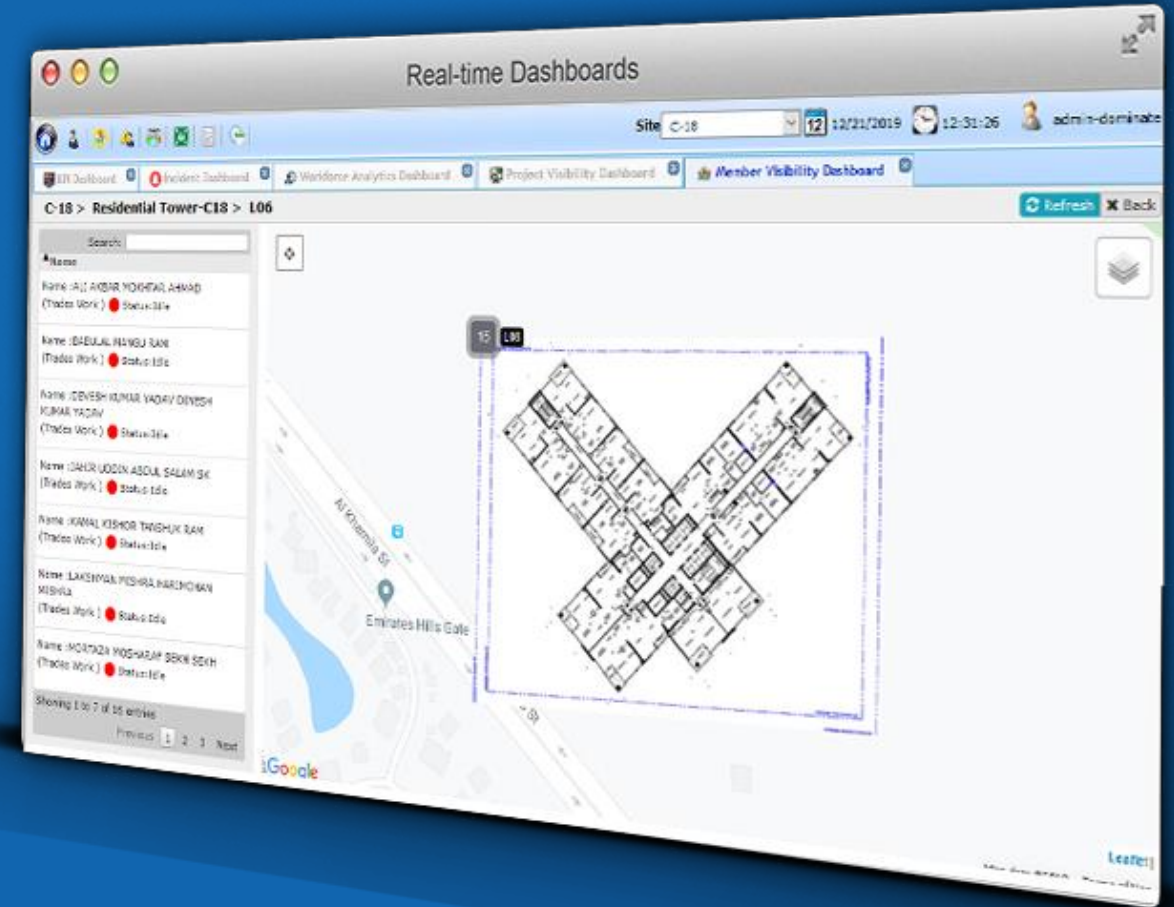


Real-time Alerts & Notifications

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, and email)



Wireless Attendance Management

Indoor or Outdoor, Anywhere, Anytime.

Real-time visibility of workforce, contractors and visitors.

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



Before installing Dominate IoT Smart Workforce 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
- Work zone 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

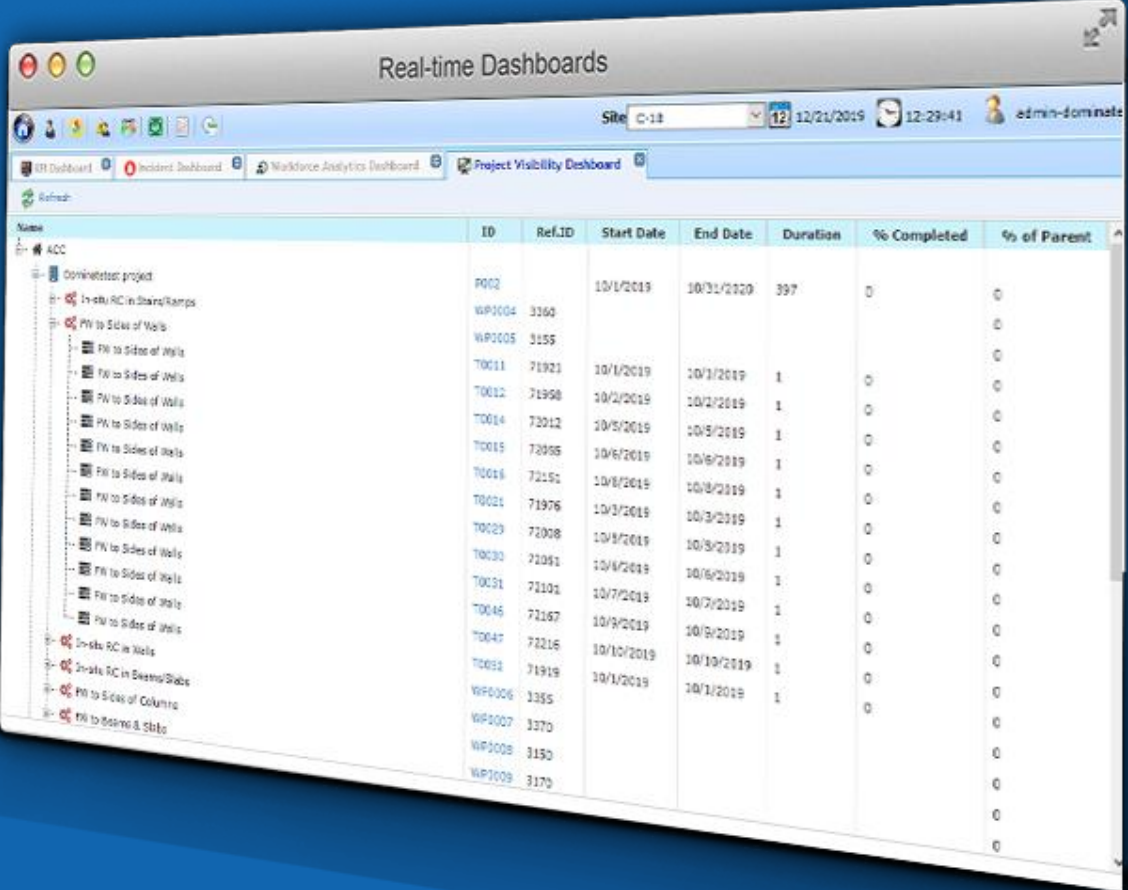


Productivity Management

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
- Work Completion Capturing
- Planned Vs. Actual KPI



The screenshot displays a web-based dashboard titled "Real-time Dashboards". The interface includes a browser address bar with "Site: c-11", a date of "12/21/2019", and a time of "12:29:41". The user is identified as "admin-dominate". The dashboard features a navigation menu with "Project Visibility Dashboard" selected. The main content area shows a tree view of project tasks under "ACC" and "Dominate project". A table below the tree lists project details:

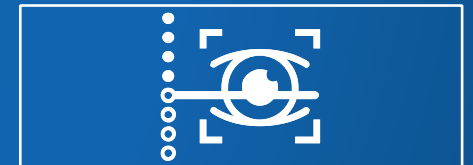
Name	ID	Ref.ID	Start Date	End Date	Duration	% Completed	% of Parent
Dominate project	PO02		10/1/2019	10/31/2019	397	0	0
In-situ RC in Stairs/Ramps	WP004	3160					
PW to Sides of Walls	WP005	3155					
PW to Sides of Walls	TO011	71921	10/1/2019	10/1/2019	1	0	0
PW to Sides of Walls	TO012	71990	10/2/2019	10/2/2019	1	0	0
PW to Sides of Walls	TO014	72012	10/5/2019	10/5/2019	1	0	0
PW to Sides of Walls	TO015	72005	10/6/2019	10/6/2019	1	0	0
PW to Sides of Walls	TO016	72151	10/8/2019	10/8/2019	1	0	0
PW to Sides of Walls	TO021	71976	10/3/2019	10/3/2019	1	0	0
PW to Sides of Walls	TO029	72008	10/8/2019	10/8/2019	1	0	0
PW to Sides of Walls	TO030	72041	10/6/2019	10/6/2019	1	0	0
PW to Sides of Walls	TO031	72101	10/7/2019	10/7/2019	1	0	0
PW to Sides of Walls	TO046	72167	10/9/2019	10/9/2019	1	0	0
In-situ RC in Walls	TO047	72216	10/10/2019	10/10/2019	1	0	0
In-situ RC in Beams/Slabs	TO055	71919	10/10/2019	10/10/2019	1	0	0
PW to Sides of Columns	WP006	3155					
PW to Beams & Slabs	WP007	3170					
	WP008	3150					
	WP009	3170					

Integrations

Energize your Existing Applications with the power of IoT!

Built-in integration with Oracle Primavera P6, MS Project, MS Power BI, 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.

- Oracle Primavera P6
- Microsoft Project
- Microsoft Power BI
- Extensive REST APIs
- Import/Export Wizard





2

Plug & Play IoT Hardware

Technology Agnostic Industrial IoT Devices

RFID



GPS Devices



LoRa



BLE



Sensors



Plug & Play Industrial IoT Hardware

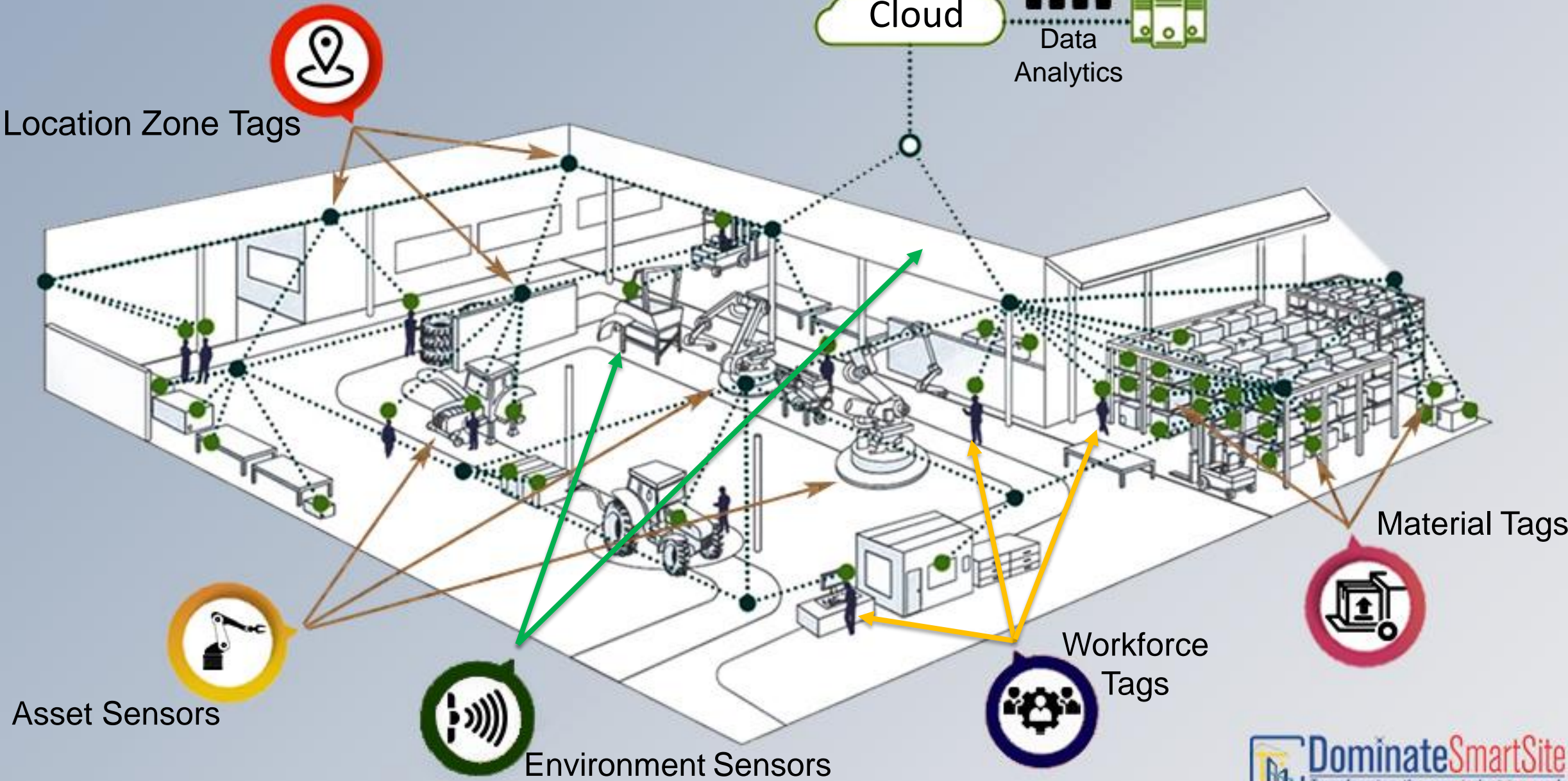
**IoT That's Ready to Use.
Ready to Scale.**

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 (300 ft)
- IP67 Ratings (water & dust proof)
- High Availability with No Single Point of Failure



Wireless Industrial IoT Site Connectivity



Plug & Play Industrial IoT Devices



Temperature/Humidity
Sensor (BLE)



High Temperature
Sensor (850F) (BLE)



Vibration & Motion
Sensor (BLE)



Belt Sensor with Man-down
and SOS button (BLE)



Helmet Sensor with Man-down
and SOS button (BLE)



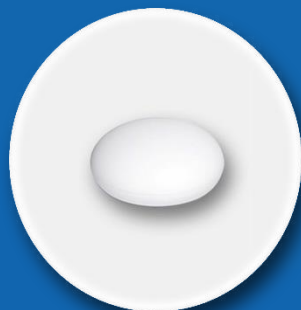
Slim Asset Tag
(BLE)



Combo Sensor (BLE)
(Temp/Humidity, light, air
quality)



Light Sensor
(BLE)



Water Leak Sensor
(BLE)



Power Sensor (voltage
& current) (BLE)



Magnetic Contact
(BLE)



Wireless Site Emergency
Event Notification (BLE)

Plug & Play Industrial IoT Devices



CO2 (Carbone Dioxide)
Gas Sensor (BLE)



H2S (Hydrogen Sulfide)
Gas Sensor (BLE)



NO2 (Nitrogen Dioxide)
Gas Sensor (BLE)



SO2 (Sulfur Dioxide)
Gas Sensor (BLE)



IAQ (Indoor Air Quality)
Sensor (BLE)



RESPIRR (Respiratory
Irritant, Air Quality) Sensor
(BLE)



O3 (Ozone) Sensor (BLE)



ETOH (Ethanol)
Gas Sensor (BLE)



Smoke Sensor (BLE)



Methane Detector
Sensor (BLE)



IR Motion Sensor (BLE)



Environment Sensor
(Temp/humidity, air
quality & pressure) (LoRa)

Plug & Play Industrial IoT Devices



Temperature/Humidity
Sensor (LoRa)



Liquid Level Sensor
(LoRa)



Water Leak Sensor
(LoRa)



Contact Sensor
(LoRa)



Personnel Tag (GPS &
Motion) (LoRa)



RS-485 (Modbus) to
LoRa WAN converter



GPS Vehicle Tag



GPS Container Tag

Plug & Play Industrial IoT Devices

IoT Cloud Connectivity



Location Router
(BLE)



IoT Gateway
(BLE)



Mini Wi-Fi IoT Gateway
(BLE)



Indoor IoT Gateway
(LoRa)



Outdoor IoT Gateway
(LoRa)

3

End-to-End Security & Integrations

Integrations

Supercharge Your Operation With the power of IoT!

Extend your operation with real-time insights from streaming IoT data to improve efficiency and derive more value.

- Microsoft Power BI
- IBM Maximo
- Oracle Primavera P6
- Import/Export Wizards
- Extensive REST APIs
- IoT Sensors, GPS, LoRa and RFID
- Condition Monitoring IoT Hardware



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





4

Why Dominate Smart Site?

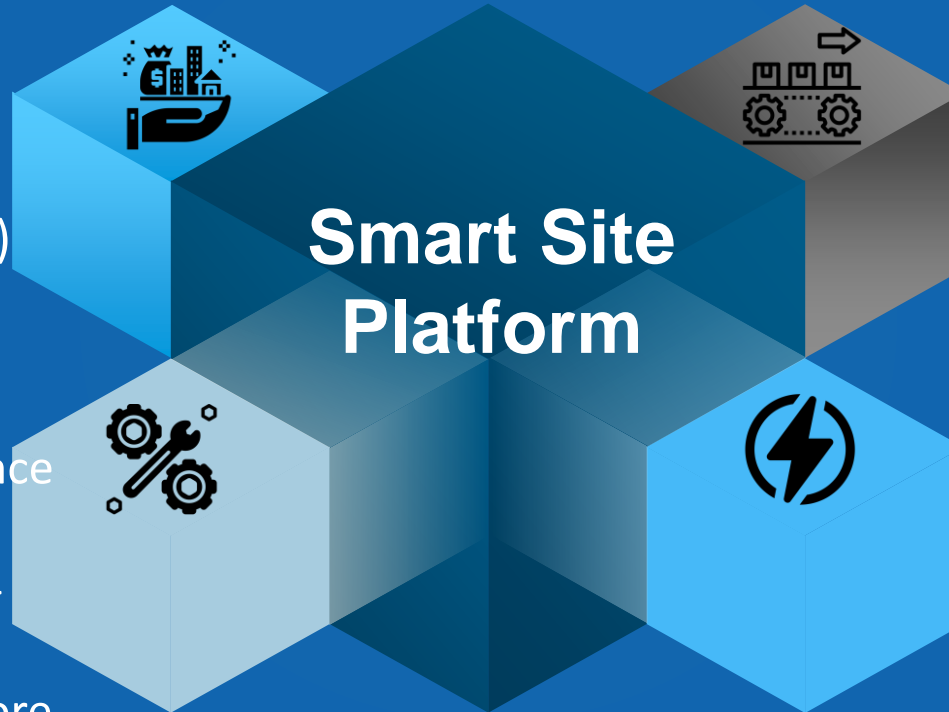
Key Value Drivers of Dominate Smart Site Digital Transformation Adoption

Asset

- Enhanced visibility & control.
- Asset Lifecycle extension.
- Optimize asset utilization.
- Improve return on asset (ROA)

Maintenance

- Real-time visibility of maintenance operation.
- Links maintenance team to real-time data.
- Reduce wrench time and get more maintenance done with fewer resources.



Production

- Faster production bottleneck detection.
- Operating costs reduction.
- Reduction in unexpected production downtimes.
- Enhance labor productivity growth.

Environment

- Energy usage reduction.
- Safety and compliance.
- Harness environment data with detailed analysis.

Why Dominate Industrial IoT?



Key System Features

- End-to-end turnkey IoT Solutions 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.

Worry-free Support

- Online knowledge base access.
- Dedicated consultants.
- Phone & Email support.
- Data migration.






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.





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