

# Smart Workforce & Productivity Management

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















# 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?





# Solutions for Creating Productive, Profitable & Safe Working Environments

## IoT Smart Workforce & Productivity Management

Improve agility, throughput, efficiency, safety and costs!

Attendance  
Management



Workforce & Sub.  
Management



Productivity  
Management



Safety  
Management



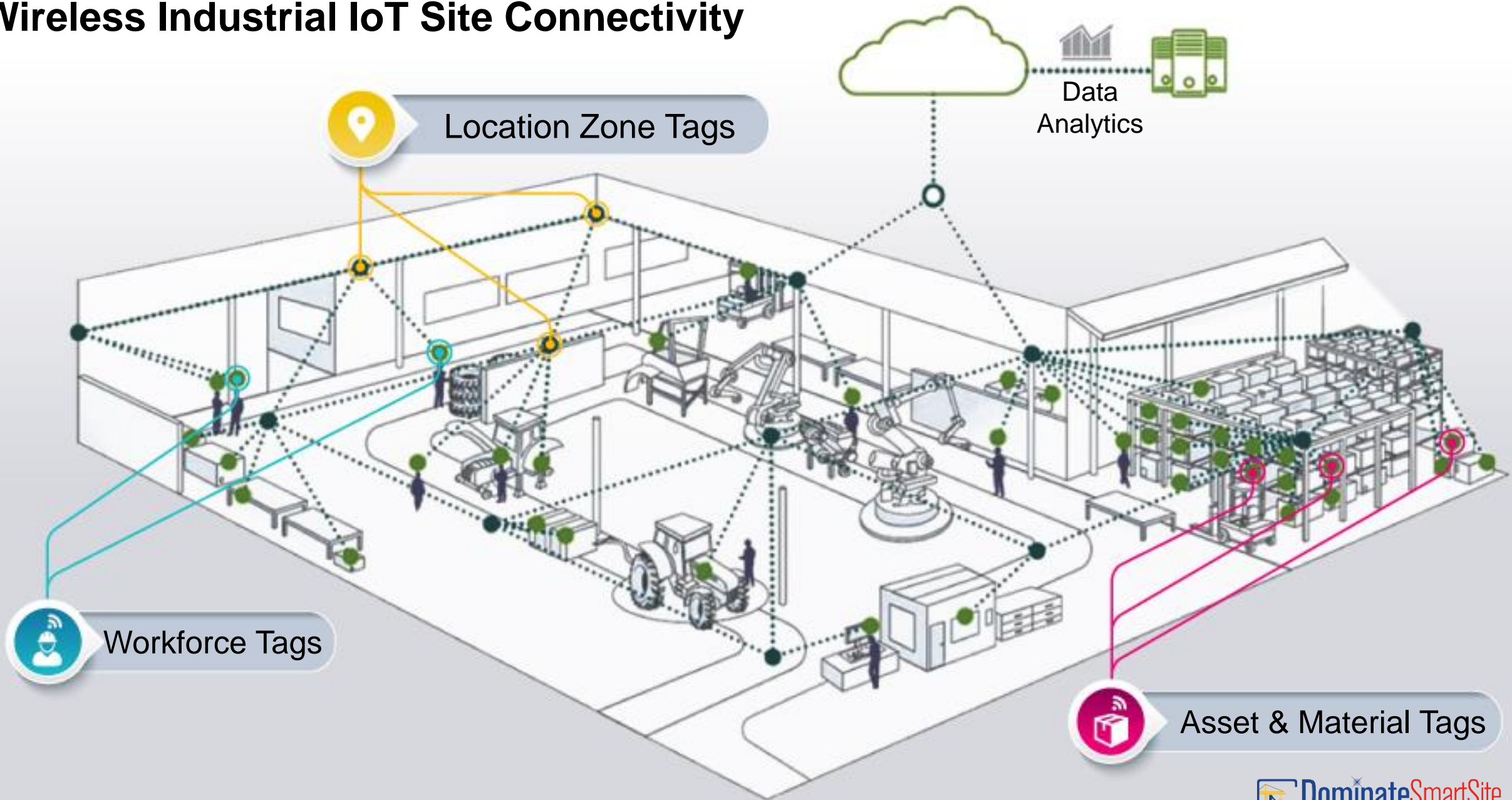
Mustering & Evacuation  
Management



Visitor  
Management



# Wireless Industrial IoT Site Connectivity







# Safety First

## 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.

Status	Event Type	Event Time	Event Location	Current Location	GPS	Member ID	Name	Category	Title	Direct Manager	Image
Responded	SOS	8/26/2019 16:12:28	WorkShop Formwork	Basement-02	-	50018086	MOHAMAD LOKMAN ANOWAR HOSSAN	Admin/General Support	Site Store Helper	ABID HUSEIN MOHAMAD RIAZ	
Responded	SOS	8/26/2019 16:07:12	WorkShop Formwork	Basement-02	-	50018086	MOHAMAD LOKMAN ANOWAR HOSSAN	Admin/General Support	Site Store Helper	ABID HUSEIN MOHAMAD RIAZ	
Responded	SOS	8/26/2019 15:54:41	Offices	P03	-	50033351	AMIR HAMZA ABDUL SALAM	Labor support	Labor	MADHU MIAH LATE NABALOK MIAH	
Responded	SOS	8/26/2019 15:54:35	Offices	P03	-	50033351	AMIR HAMZA ABDUL SALAM	Labor support	Labor	MADHU MIAH LATE NABALOK MIAH	
Responded	SOS	8/26/2019 15:54:32	Offices			50033351	AMIR HAMZA ABDUL SALAM	Labor support	Labor	MADHU MIAH LATE NABALOK MIAH	

# 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.

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



Before installing Dominate IoT Smart Operations 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



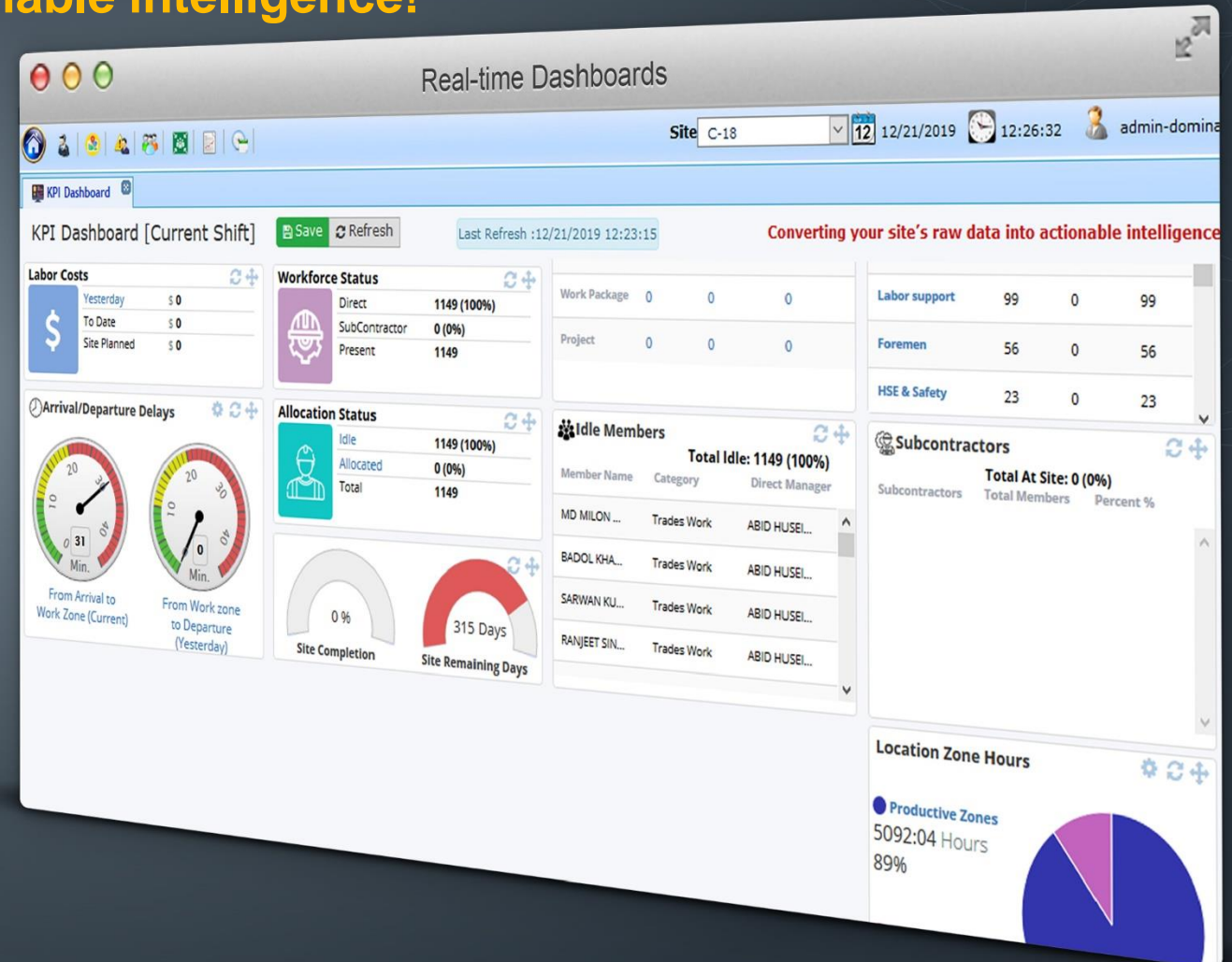


# Analytics

## 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

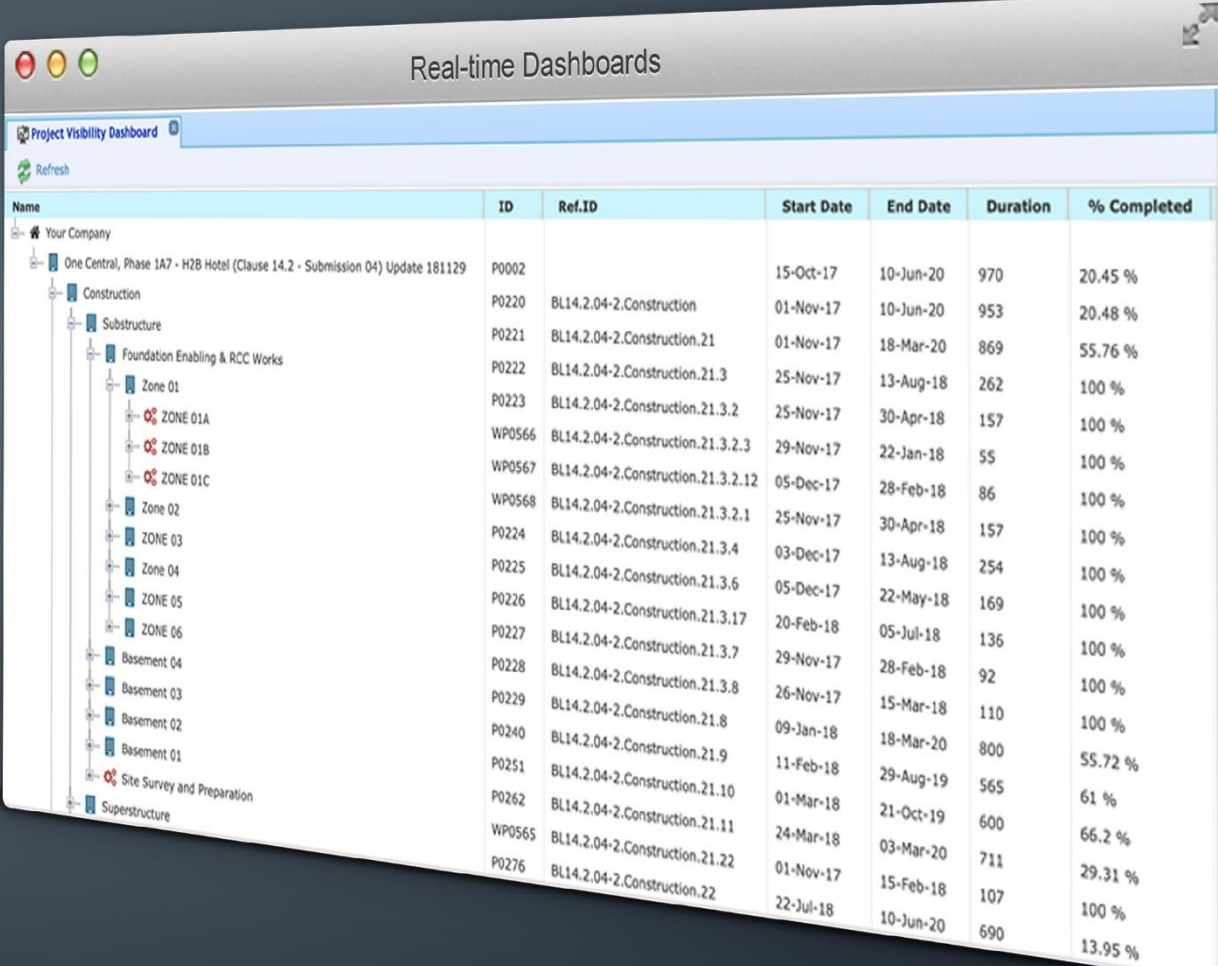


# Productivity Management

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
- Work Completion Capturing
- Planned Vs. Actual KPI



Name	ID	Ref.ID	Start Date	End Date	Duration	% Completed
One Central, Phase 1A7 - H2B Hotel (Clause 14.2 - Submission 04) Update 181129	P0002		15-Oct-17	10-Jun-20	970	20.45 %
Construction	P0220	BL14.2.04-2.Construction	01-Nov-17	10-Jun-20	953	20.48 %
Substructure	P0221	BL14.2.04-2.Construction.21	01-Nov-17	18-Mar-20	869	55.76 %
Foundation Enabling & RCC Works	P0222	BL14.2.04-2.Construction.21.3	25-Nov-17	13-Aug-18	262	100 %
Zone 01	P0223	BL14.2.04-2.Construction.21.3.2	25-Nov-17	30-Apr-18	157	100 %
Zone 01A	WP0566	BL14.2.04-2.Construction.21.3.2.3	29-Nov-17	22-Jan-18	55	100 %
Zone 01B	WP0567	BL14.2.04-2.Construction.21.3.2.12	05-Dec-17	28-Feb-18	86	100 %
Zone 01C	WP0568	BL14.2.04-2.Construction.21.3.2.1	25-Nov-17	30-Apr-18	157	100 %
Zone 02	P0224	BL14.2.04-2.Construction.21.3.4	03-Dec-17	13-Aug-18	254	100 %
Zone 03	P0225	BL14.2.04-2.Construction.21.3.6	05-Dec-17	22-May-18	169	100 %
Zone 04	P0226	BL14.2.04-2.Construction.21.3.17	20-Feb-18	05-Jul-18	136	100 %
Zone 05	P0227	BL14.2.04-2.Construction.21.3.7	29-Nov-17	28-Feb-18	92	100 %
Zone 06	P0228	BL14.2.04-2.Construction.21.3.8	26-Nov-17	15-Mar-18	110	100 %
Basement 04	P0229	BL14.2.04-2.Construction.21.8	09-Jan-18	18-Mar-20	800	55.72 %
Basement 03	P0240	BL14.2.04-2.Construction.21.9	11-Feb-18	29-Aug-19	565	61 %
Basement 02	P0251	BL14.2.04-2.Construction.21.10	01-Mar-18	21-Oct-19	600	66.2 %
Basement 01	P0262	BL14.2.04-2.Construction.21.11	24-Mar-18	03-Mar-20	711	29.31 %
Site Survey and Preparation	WP0565	BL14.2.04-2.Construction.21.22	01-Nov-17	15-Feb-18	107	100 %
Superstructure	P0276	BL14.2.04-2.Construction.22	22-Jul-18	10-Jun-20	690	13.95 %

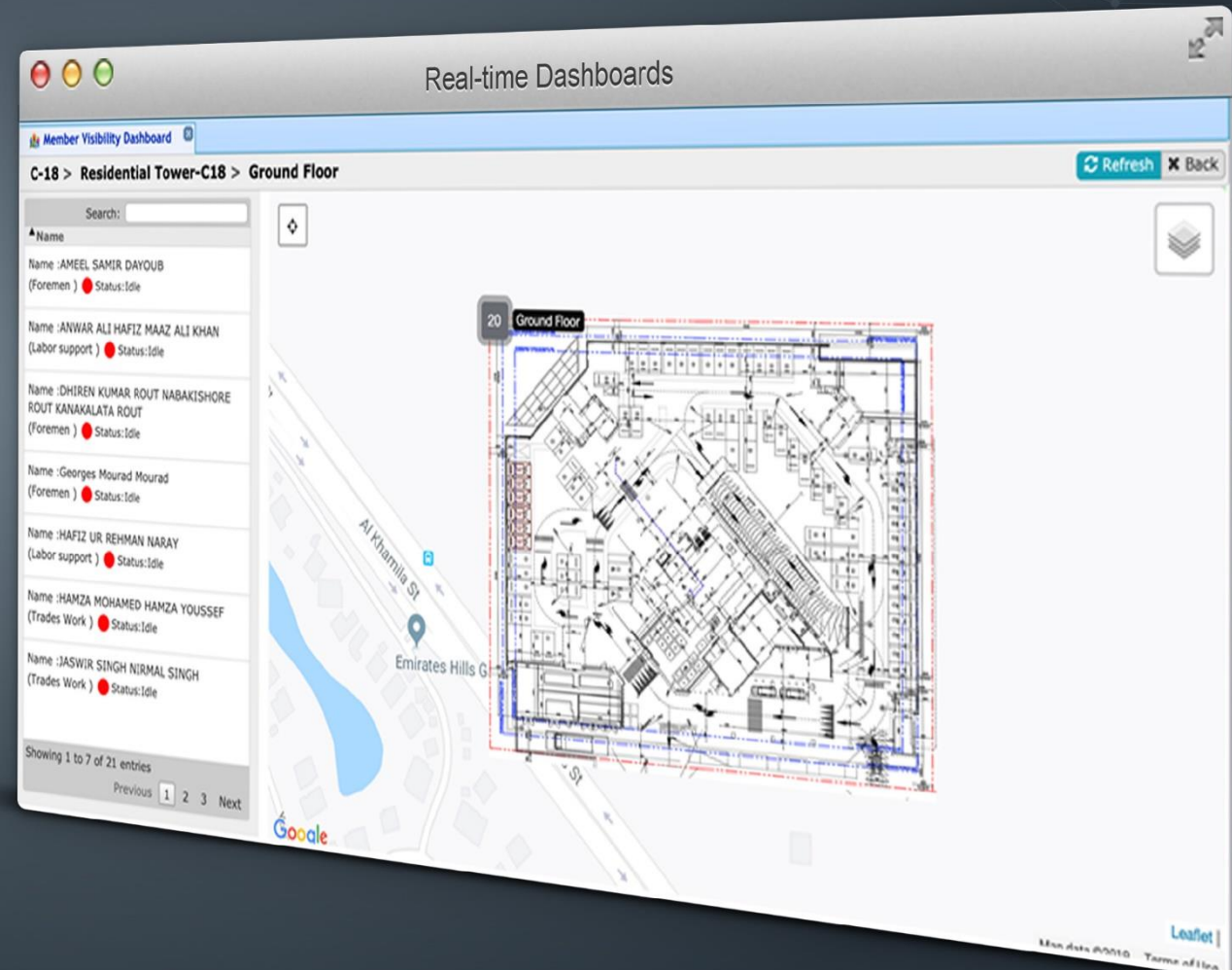


# Real-time Alerts & Notifications

**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, 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

The Oracle logo, consisting of the word "ORACLE" in white capital letters on a red rectangular background.The Microsoft logo, featuring the four-colored square icon followed by the word "Microsoft" in black text.



# 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

# Technology Agnostic Industrial IoT Devices

**RFID**



**GPS Devices**



**BLE**



**Barcode**



**Sensors**





# 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>

## Personnel Tags BLE-based



**Helmet Tag**



**Belt Tag**



**ISO Card Tag**



**Wearable Tag**

## Personnel Tags BLE-based



**Pendant Tag**



**Visitor/Staff Tag**



**Keychain Tag**



**GPS Tag**

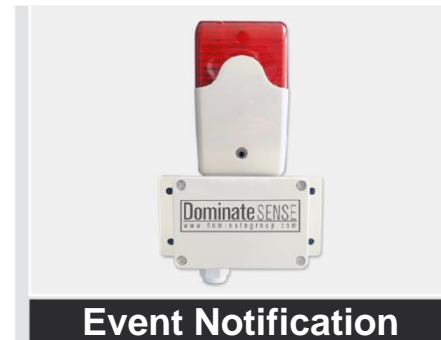
## BLE Mesh Network



**Location Anchor**



**Location Router**



**Event Notification**



**IoT Gateway**



# 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.

## Worry-free Support

- Online knowledge base access.
- Remote dedicated consultants.
- Phone & email support.
- 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.



📞 USA : +1-678-387-3877

🖱️ [www.DominatedSmartSite.com](http://www.DominatedSmartSite.com)

✉️ [sales@DominatedSmartSite.com](mailto:sales@DominatedSmartSite.com)

