# SiteWorx®

## Facility Insights

**Bringing New Capabilities and Value to Your Facility**

# Your Facility Is Talking

# But Are You Listening?

Listen carefully to your facility and you'll get an earful of vital information and insights about key equipment, critical processes, and your entire operation. What you find out can help you:

- Cut costs by reducing waste of utility services
- Spot hidden equipment issues and take action before delays happen
- Keep your processes moving faster and more smoothly
- Stop equipment, tools, and other assets from going missing
- Ensure that your people are safe and productive

**At SiteWorx Software**, we help our customers operate their facilities at peak performance. We call our innovative approach *Facility Wellness*. And SiteWorx® makes it happen, every shift, every day. And we have a solution that takes you there — our powerful SiteWorx suite of facility insight applications.

**Think of the SiteWorx applications as your senses** — but more accurate and always razor-sharp. The new insights they provide about your facility can help you make major leaps in productivity, efficiency, and sustainability. That's good to hear for any facility.

# We Help You Know Your Facility Like Never Before

## Because What You Don't Know Can Hurt You

**What if you could keep in touch with your entire facility — one or multiple-buildings — automatically, constantly, and remotely? Now you can.**

Your facility produces information — lots of it. SiteWorx gathers the information that matters by tracking energy consumption of critical facility systems and equipment, metering your utilities, monitoring your entire operation, and observing critical areas.

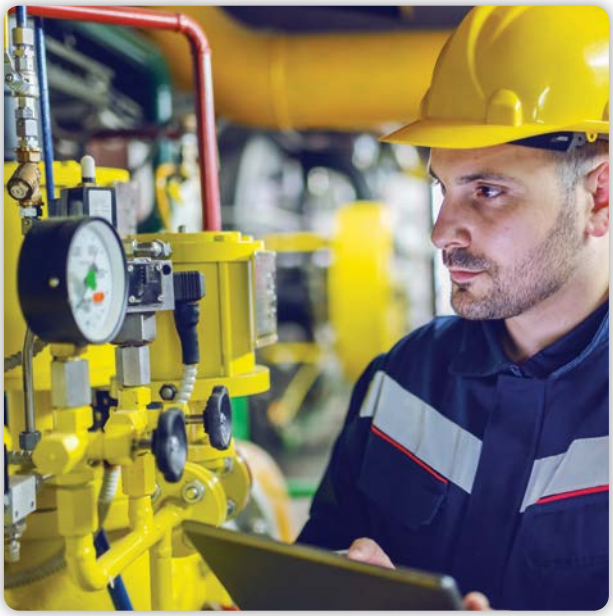
SiteWorx provides accurate, up-to-the-minute information that you can turn into actionable insights, helping you maximize efficiency, cut costs, achieve sustainability goals, and keep everyone safe. Facilities around the world, from heavy manufacturing to cold storage, already rely on the SiteWorx suite of applications to uncover hidden bottlenecks, reduce waste, and stop delays and problems before they happen.

# Empower Your People

SiteWorx applications deliver industrial-strength technology, but they are designed for your people — facility managers, sustainability officers, production line managers, and other key personnel. Intuitive and easy to configure and use, SiteWorx applications put accurate historical and real-time data at their fingertips. They get detailed analysis and reporting, savings tracking, alarm notifications, and much more — so they can spot problems, boost efficiency, and make better decisions, faster.

# Get More Value From Your Facility

Your facility probably includes equipment and technologies from different suppliers and eras. Open and easily integrated, our SiteWorx solution builds on whatever systems you have in place and leverages new value from them — taking you further, faster.



# Meet the Suite

## Advanced but Easy-to-Use Applications

Our SiteWorx applications — **SiteWorx Sense**, **SiteWorx Area**, and **SiteWorx Tune** — can be installed quickly and easily and used with minimal training. Better yet, SiteWorx starts delivering meaningful data and actionable insights right out of the box.

SiteWorx applications use a combination of intelligent lighting and smart devices to create a wireless mesh network throughout your facility. This reliable network enables secure, wireless communication of a wide range of facility information, including data on equipment operation, utilities consumption, environmental conditions, occupancy, and more. Advanced sensors and other devices gather critical data from key equipment and critical zones.

Our SiteWorx suite lets you focus on critical capabilities that improve and enhance your facility:

### SiteWorx Sense

Meters, monitors, and controls your key equipment, processes, and environmental conditions.

### SiteWorx Area

Observes location, occupancy, and activity within your facility.

### SiteWorx Tune

Automatically optimizes your lighting and reduces energy costs.

### SiteWorx Alarms

Monitors and notifies you of changes within your facility.

### SiteWorx Analyze

Visualizes and reports all types of data to provide you with trends and insights.

### SiteWorx Savings

Tracks, organizes and presents meaningful facility information, all in one place.

# Smart at the Core

No matter what SiteWorx application you use, you can be sure that it's easily connected, completely secure, and simple to expand thanks to our wireless mesh core technology platform. SiteWorx provides a robust array of advanced capabilities that keep applications open, connected, and scalable — and easier to use, manage, and evolve.

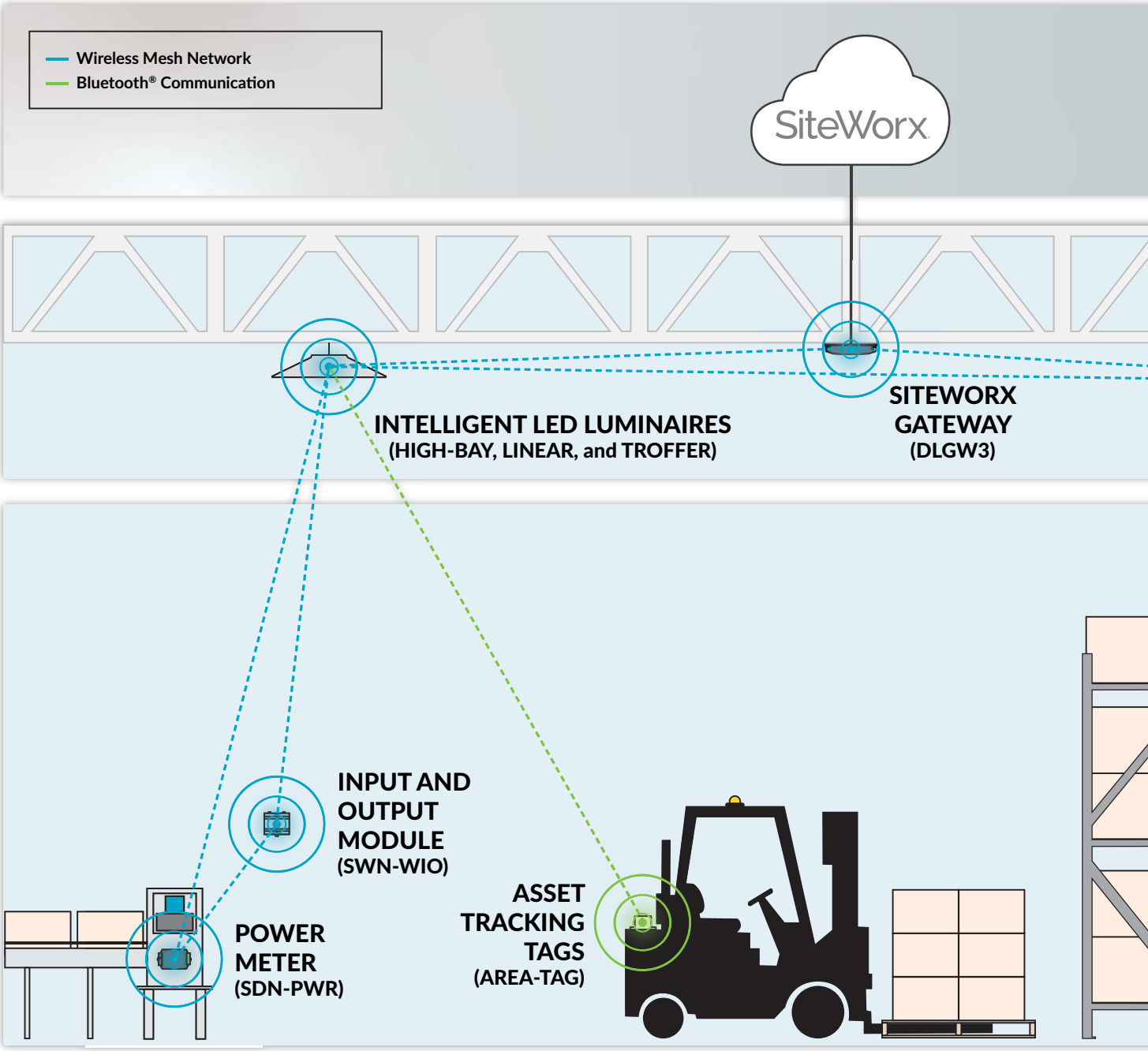
SiteWorx Software intelligent sensors work together seamlessly. Third-party luminaires, sensors, and other hardware and components can be easily integrated with SiteWorx applications.

# Easily integrated and remarkably intuitive

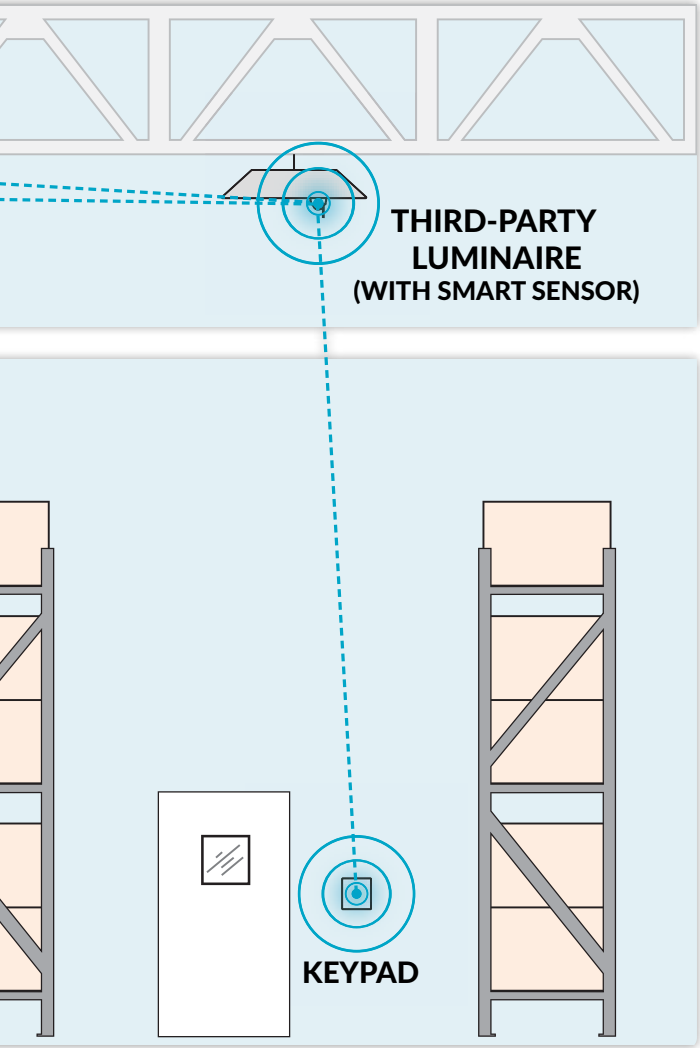
We designed our SiteWorx applications to integrate seamlessly, enabling you to add capabilities as you need them. Our easy-to-use dashboards let you monitor your entire facility automatically, on-site or on the go.

# A Complete Solution

Our portfolio of SiteWorx facility insight applications lets you choose what and where you meter, monitor, and observe — putting key data and new operational insights in the hands of facility managers, sustainability officers, production line managers, and other key personnel.




Devices wirelessly communicate with SiteWorx, providing design flexibility and simplifying installation within your facility.




# Wireless Mesh Network

The Wireless Mesh Network enables smart devices and luminaires to communicate seamlessly with the SiteWorx Facility Insight application suite. Based on the IEEE 802.15.4 Technical Standard, the Wireless Mesh Network is low-power, secure, and flexible.

Shown here is the SiteWorx Software
DLA-V 0-10V Rugged Digital Lighting Agent.

Within the Wireless Mesh Network, SiteWorx Software **Intelligent LED Luminaires**, Advanced **Lighting Controls**, and **Smart Devices** come together to create a tailored solution for your facility.

# SiteWorx Sense

## Meter, Monitor, and Control Almost Anything, Everywhere, Always

- **What It Is:** Advanced facility, utility and process monitoring application.
- **Why It Matters:** SiteWorx Sense brings new efficiency and significant improvements to your production processes, utility service management, equipment maintenance, and much more — saving you time and money.
- **What It Does:** Meters, monitors, and controls your equipment, utility services, environmental conditions, and other critical elements within your facility.

### With SiteWorx Sense, You Can Meter and Monitor:

#### Key Equipment and Processes

Monitor production and machine-level usage and performance. Spot changes in temperature, vibration, and more that can indicate malfunctioning machinery. Stop unplanned downtime before it happens with proactive maintenance. Avoid costly repairs and quality control issues.

#### Resource Consumption

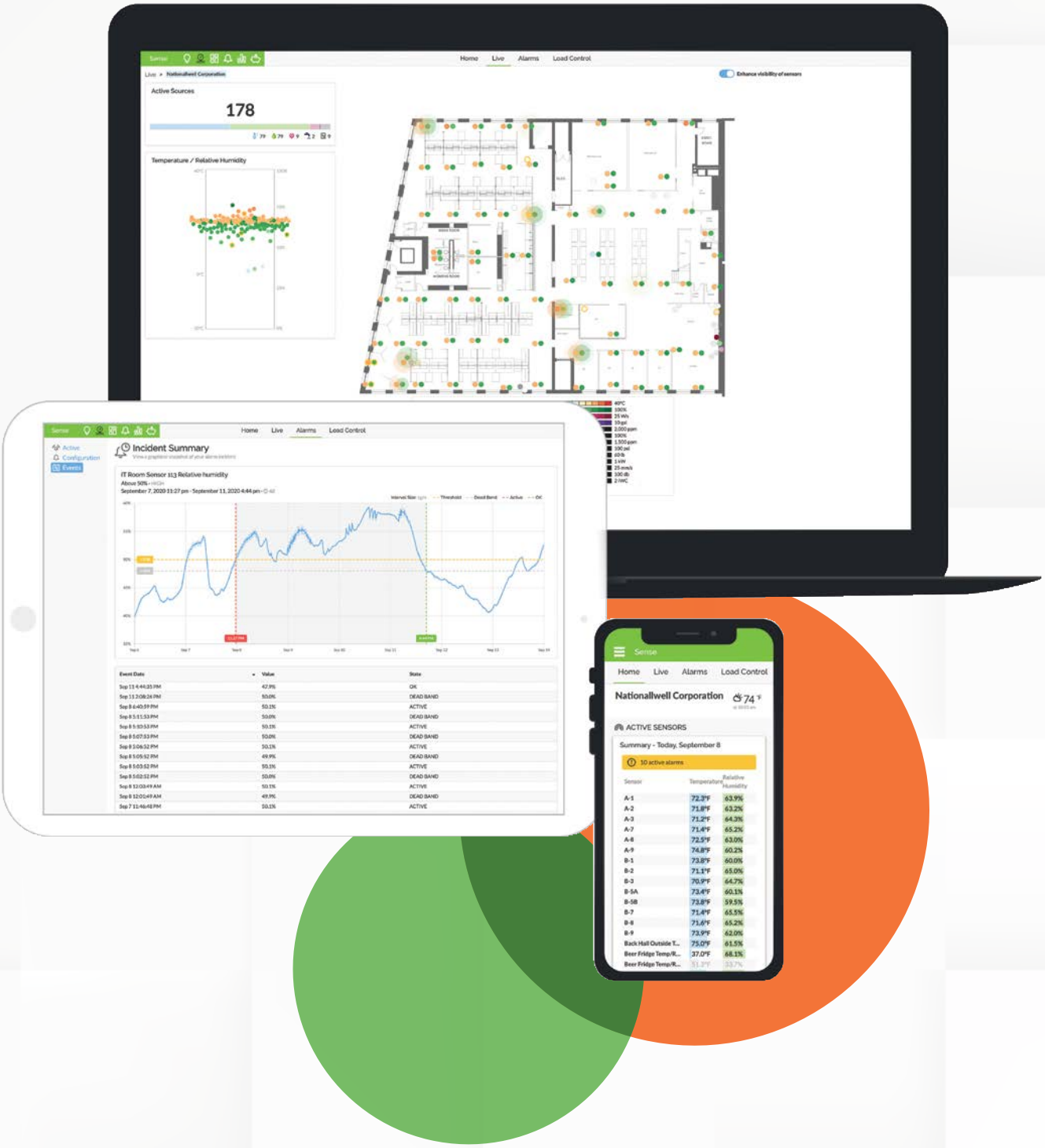
Meter energy consumption, wastewater flow, gas and steam usage, and other utility services to manage your valuable resources better and achieve sustainability goals. Identify waste to reduce costs.

#### Environmental Conditions

Monitor conditions within your facility, automatically and continually, to ensure safety and proper operation. Verify temperature, relative humidity, air quality, decibel levels and other variables to ensure adherence to environmental health and safety standards. Get alerts of abnormal conditions so managers can take action.

### SiteWorx Sense Helps You:

- **Improve and optimize processes**. Raise performance and avoid unplanned downtime.
- **Manage utility services better**. Reduce waste, cut costs, and increase sustainability.
- **Keep your work environment safe**. Create a comfortable, high-productivity facility for all.
- **Know your facility better**. Make data-driven decisions and impactful improvements.


Home
Live
Alarms
Load Control
Active Sources
178
Temperature / Relative Humidity
Incident Summary
Nationallwell Corporation
ACTIVE SENSORS
Summary - Today, September 8
10 active alarms

# SiteWorx Area

## Observe Location, Occupancy, and Activity Within Your Facility

- **What It Is:** Innovative occupancy, activity, and asset awareness application.
- **Why It Matters:** SiteWorx Area delivers detailed, anonymous occupancy data that can spot areas of high congestion, a potential health and safety issue. It helps you optimize your facility floorplan by understanding the flow of equipment, goods, or people. And it can help you find, track, and count key assets.
- **What It Does:** Enables you to take a closer look at critical areas of your facility — or your entire facility.

### With SiteWorx Area and Integrated Occupancy Sensors, You Can Monitor and Observe:

#### Occupancy

View historical occupancy patterns for your site on an intuitive heatmap. Monitor occupancy changes over time to understand the operating rhythm of your facility.

#### Critical Spaces and Zones

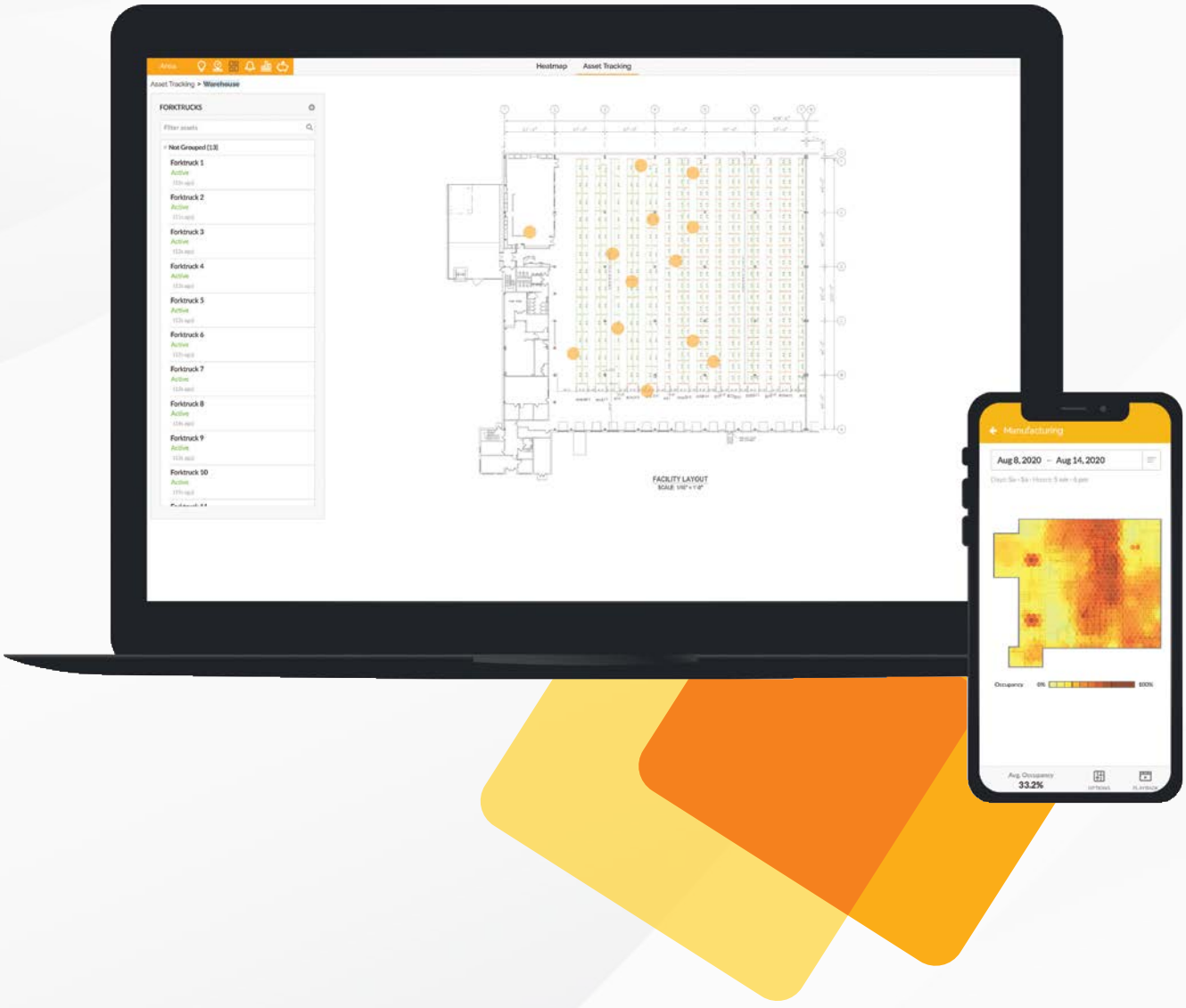
Know exactly how and when spaces are being used.

#### Asset Location

Get a persistent record of where people, equipment, and goods are and where they go — within designated geo-fenced areas. Find, track, and count assets to increase safety and efficiency.

### SiteWorx Area Helps You:

- **Use valuable space smarter**. Maximize efficiency and optimize spaces within your facility by knowing exactly how each space is used.
- **Ensure safety**. Monitor location of key assets and equipment in motion, and monitor access to controlled areas.
- **Manage more efficiently**. Track assets and know when they move in and out of rooms, work cells, or buildings. New insights help you sustain a high-functioning operation — and keep your facility safe.


Heatmap
Asset Tracking
FORKTRUCKS
Forktruck 1
Forktruck 2
Forktruck 3
Forktruck 4
Forktruck 5
Forktruck 6
Forktruck 7
Forktruck 8
Forktruck 9
Forktruck 10
FACILITY LAYOUT
Manufacturing
Aug 8, 2020 – Aug 14, 2020
Avg. Occupancy
33.2%

# SiteWorx Tune

## Optimize Lighting and Reduce Energy Use

- **What It Is:**
  Intelligent lighting control application.
- **Why It Matters:**
  SiteWorx Tune brings new control and savings to your lighting infrastructure. Its intuitive dashboard displays real-time energy usage and savings data, keeping you informed of energy use and automatically driving savings.
- **What It Does:**
  Uses smart sensors and advanced software to maximize energy savings, improve productivity, and maintain safe, comfortable light levels.

## SiteWorx Tune Lets You Customize and Apply Industry-Leading Lighting Control Strategies to Your Facility, Including:

### Task Tuning

Customize and manage precise lighting parameters on individual luminaires or groups of luminaires easily and remotely.

### Daylight Harvesting

Leverage your facility's natural lighting by dimming luminaires when they automatically sense natural daylight — all while maintaining consistent light levels.

### Setback

Automatically increase energy savings even higher by applying a second level of dimming to groups of luminaires on a simple schedule, or when they don't sense occupancy.

### Coordinated Control

Maximize safety and security for workers and create flexibility in lighting control by grouping luminaires together to work in unison based on a single occupancy trigger.

## SiteWorx Tune Helps You:

- **Save money**. Cut energy costs significantly by upgrading your lighting system to leverage SiteWorx Software intelligent lighting controls and combining them with powerful energy-saving software.
- **Create a comfortable, productive environment**. Lighting is a critical contributor to the productivity, efficiency, and safety of any environment. With SiteWorx Tune, building managers and occupants get constant, convenient control, including keypads that adjust lighting with the touch of a button.
- **Automate your lighting**. Ensure the right light, always, with built-in automation — and less effort from facilities personnel.
- **Meet your sustainability goals**. Accurate collection of lighting-related energy usage lets you validate savings for utility rebates and meet sustainability goals.
- **Achieve compliance**. Our lighting is code-compliant for safety and helps you comply with stringent energy use regulations.

Tune
Home
Settings
Live
Settings > Nationallwell Corporation
Setting
Setback
Override
TASK TUNING
Active Level
50%
OCCUPANCY SENSING
Dimming
After
30s
5m
30m
Other
Inactive Level
0%
Cancel
Apply Settings
Live > Nationallwell Corporation
Active Lights
127
55% of 232 active
Live Stream
Active
Inactive
In Setback
Override
Back
Warehouse
2.8
Active level
70%
Inactive level
0%
Apply Settings

# SiteWorx Alarms

## Monitor Changes Within Your Facility

- **What It Is:**
  Integrated alarm notifications.
- **Why It Matters:**
  Setting thresholds and configuring alarms gives you the peace of mind that you will be informed immediately when something needs attention, no matter where you are.
- **What It Does:**
  SiteWorx Alarms will send emails and text message notifications when something in the facility needs your attention. It allows you to set thresholds for changes in occupancy, energy consumption, environmental conditions, equipment vibration or even undesirable power characteristics.

### With SiteWorx Alarms You Can Stay Informed Wherever You Are:

#### Enable and Configure Alarms

Set important thresholds for critical areas of your facility to stay informed about undesirable or unexpected changes from anywhere.

#### Receive Text and Email Notifications

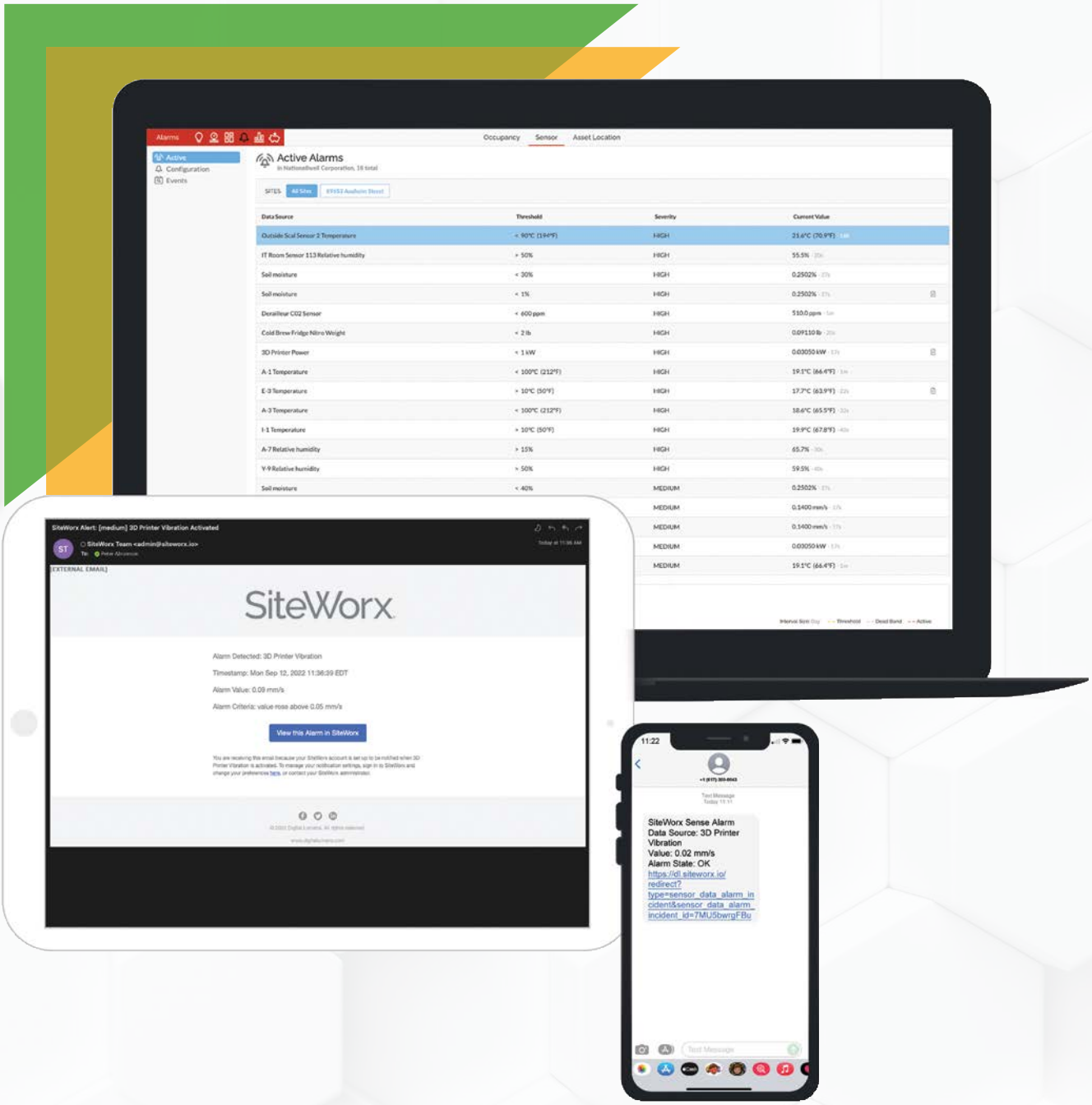
Receive critical information about your facility operations no matter where you are — onsite or on the go.

#### Monitor Conditions

Set thresholds for important facility conditions so you can stay informed and take action before they become facility problems.

### SiteWorx Alarms Helps You:

- **Be everywhere from anywhere.** Proactive notifications sent right to your mobile device keep you up to speed no matter where you have to be.
- **Track critical thresholds.** Monitor the flow of important resources or permitted discharge to avoid preventable and costly overages.
- **Share status information.** Use the SiteWorx Alarms system to make and share notes about issues for the next shift or offsite personnel.


Alarms
Occupancy
Sensor
Asset Location
Active
Configuration
Events
Active Alarms
Data Source
Threshold
Severity
Current Value
SiteWorx Alert: [medium] 3D Printer Vibration Activated
[EXTERNAL EMAIL]
SiteWorx
Alarm Detected: 3D Printer Vibration
Timestamp: Mon Sep 12, 2022 11:36:39 EDT
Alarm Value: 0.09 mm/s
Alarm Criteria: value rose above 0.05 mm/s
View this Alarm in SiteWorx
11:22
SiteWorx Sense Alarm
Data Source: 3D Printer
Vibration
Value: 0.02 mm/s
Alarm State: OK

# SiteWorx Analyze

## Examine and Understand Your Facility

- **What It Is:**
  An easy-to-use facility data visualization tool.
- **Why It Matters:**
  Robust reporting capabilities give you new insight into your business operations, so you can increase productivity, maximize savings, reduce downtime, and improve business planning.
- **What It Does:**
  Gathers data from intelligent LED luminaires and SiteWorx Devices and Sensors — then presents it simply for data analysis and trend identification.

### With SiteWorx Analyze You Can Spot Trends and Report Your Achievements:

#### Gather Operational Insights

Dig into the details by using analyze to create graphs and charts to show trends and changes in energy consumption, environmental changes, equipment conditions or even power characteristics.

#### Create Custom Reports

Advanced but intuitive reporting makes it easy to select data sources, chart options, and date ranges — so you can to zoom in, identify trends, and make decisions to keep your business running smoothly.

### SiteWorx Analyze Helps You:

- **Interpret your data**. SiteWorx Analyze charts and graphs are easy to use and understand, so you can see — quickly and clearly — what's happening in your facility.
- **Establish benchmarks and create reports**. With SiteWorx Analyze you can meet sustainability reporting requirements and achieve your utility reduction goals.
- **Identify trends and issues — and respond more quickly**. Know when equipment goes out of specification or when there are unusual spikes in use of energy or other utilities.
- **Know more, so you can do more**. By understanding what's happening in your facility better, you can make quick, data-supported business decisions.

Chart
SITES
Nationalfwell Corporation
Display
Voltage
Interval Size
Hour
Data
Motor #4 Power Meter
Range
April 17, 2021 – May 1, 2021
276.847 V
282.799 V
286.175 V
Export CSV
Chart
SITES
Nationalfwell Corporation
Display
Temperature
Interval Size
Day
Units
Fahrenheit
Data
B-1
Range
October 13, 2021 – September 13, 2022
50.2°F
67.1°F
97.0°F
Export CSV

# SiteWorx Savings

## Gather Meaningful Facility Data

- **What It Is:**
  An energy savings information dashboard for your entire organization.
- **Why It Matters:**
  Tracking energy savings enabled by SiteWorx applications gives you the information you need to report on company achievements, sustainability goals and important trends.
- **What It Does:**
  Provides an organizational view of total energy savings and trends information, as well as individual site and tag level details - shown in one easy to read dashboard.

## With SiteWorx Savings You Can Support Your Business Goals:

### Validate Energy Savings

An easy-to-use savings dashboard lets you compare current energy savings with your lighting energy baseline, review facility energy use and trends, and see the Greenhouse Gas (GHG) reductions enabled by SiteWorx.

### Identify Trends and Problem Areas

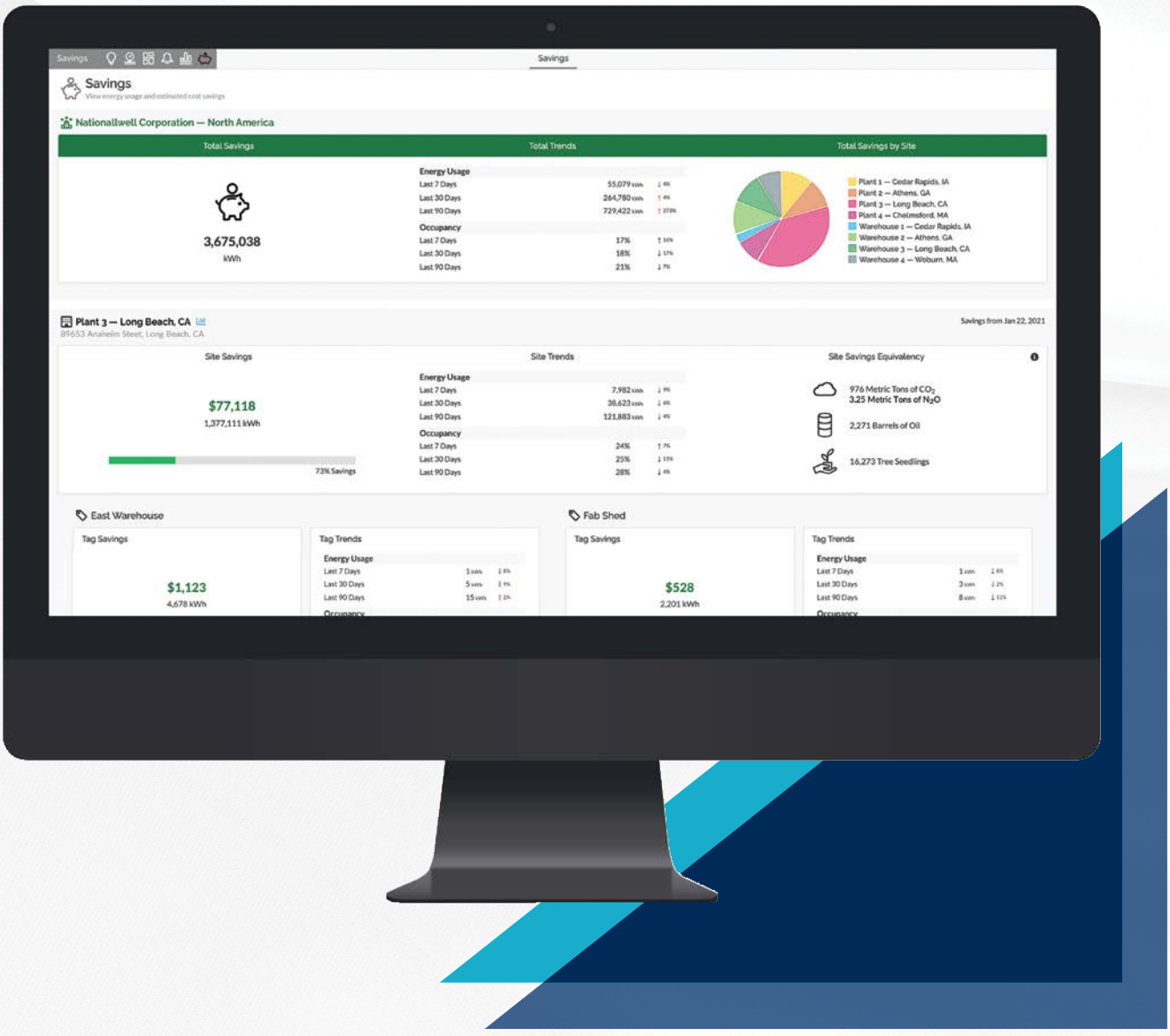
Seeing data trends over time helps to identify areas of your operation that need attention or improvement. SiteWorx not only captures and stores facility data, but analyzes it for you to highlight achievements and areas to improve.

### Track Savings

View energy usage and estimated cost savings for your whole organization, individual facilities or even individual systems or pieces of equipment — all on one easy to read dashboard.

## SiteWorx Savings Helps You:

- **Report Your Achievements.** SiteWorx Savings puts the information you need at your fingertips, ready to share with your team, your management, other company departments.
- **Track Sustainability Goals.** Companies all over the world establish Environmental, Social and Governance Goals which need to be tracked and reported to stakeholders and shareholders throughout the year.
- **Plan for new projects.** Seeing data trends and changes can help identify areas of a facility that need attention, maintenance, upgrades or other improvements. Use data to make data-driven investments with real measurable returns.

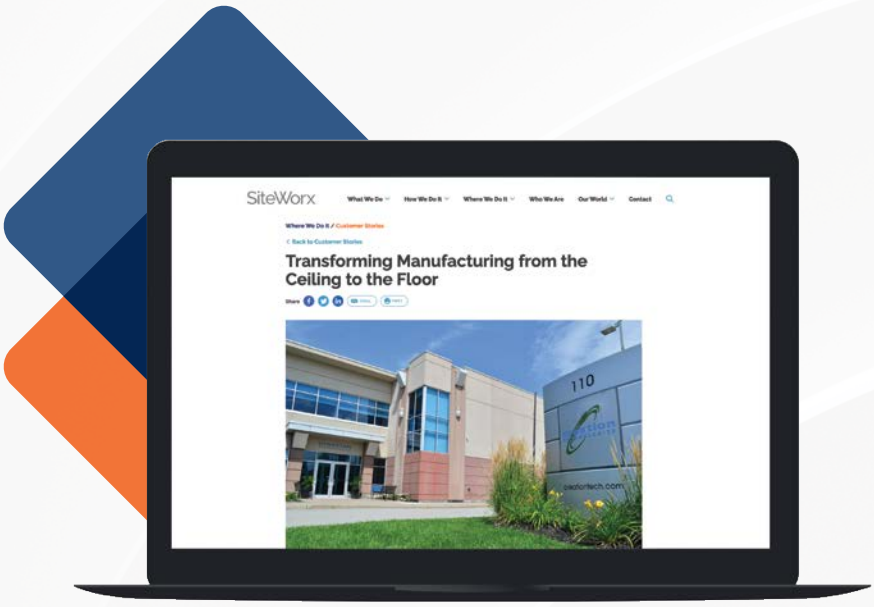

Savings
Savings
Savings
View energy usage and estimated cost savings
Nationaltwell Corporation — North America
Total Savings
Total Trends
Total Savings by Site
3,675,038
kWh
Energy Usage
Last 7 Days
Last 30 Days
Last 90 Days
Occupancy
Last 7 Days
Last 30 Days
Last 90 Days
Plant 1 — Cedar Rapids, IA
Plant 2 — Athens, GA
Plant 3 — Long Beach, CA
Plant 4 — Chelmsford, MA
Warehouse 1 — Cedar Rapids, IA
Warehouse 2 — Athens, GA
Warehouse 3 — Long Beach, CA
Warehouse 4 — Woburn, MA
Plant 3 — Long Beach, CA
89653 Anaheim Street, Long Beach, CA
Savings from Jan 22, 2021
Site Savings
Site Trends
Site Savings Equivalency
$77,118
1,377,111 kWh
73% Savings
Energy Usage
Last 7 Days
Last 30 Days
Last 90 Days
Occupancy
Last 7 Days
Last 30 Days
Last 90 Days
976 Metric Tons of CO2
3.25 Metric Tons of N2O
2,271 Barrels of Oil
16,273 Tree Seedlings
East Warehouse
Tag Savings
$1,123
4,678 kWh
Tag Trends
Energy Usage
Last 7 Days
Last 30 Days
Last 90 Days
Occupancy
Fab Shed
Tag Savings
$528
2,201 kWh
Tag Trends
Energy Usage
Last 7 Days
Last 30 Days
Last 90 Days
Occupancy

# Powerful Capabilities Today — Even More Ahead

We continually enhance SiteWorx to meet the evolving needs of our customers. The cloud-based SiteWorx suite is updated automatically, so you can take advantage of new capabilities and enhancements as soon as they are released. When you make SiteWorx part of your facility, you can be confident that it will provide great results and an impressive ROI right from the start and year after year. It's a future-proof solution that grows and evolves along with your facility, delivering ongoing value to your business.

# See What Our Customers Think

Our customers rely on us to make their facilities smarter, more efficient, safer, and more sustainable. But the specific details vary from site to site, since every facility is different. Every customer has a story to tell. Here are just some of them — intended to inform and inspire.




Learn more about our customer success stories at
siteworxsoftware.com/markets/customer-success-stories/

# Put SiteWorx to Work at Your Facility

Find out more about how our SiteWorx solution can help you achieve Facility Wellness.

- **Operate at peak efficiency**
  No delays, shutdowns, or surprises.
- **Keep critical equipment and processes up and running**
  Thanks to proactive maintenance, not emergency repairs.
- **Give key people a clear, comprehensive vision of facility activity**
  So they can make better decisions.
- **Ensure that the workplace is safe for people**
  And sustainable for the environment.

Sound good to you? Our customers think so. Now it's your turn.

To find out more, go to:
siteworxsoftware.com/solutions/siteworx-applications/

Copyright © 2024 SiteWorx Software USA, LLC.

All rights reserved. SiteWorx, the SiteWorx logo, We Generate Facility Wellness, LightRules, and any other trademark, service mark, or tradename (collectively "the Marks") are either trademarks or registered trademarks of SiteWorx Software USA, LLC in the United States and/or other countries, or remain the property of their respective owners that have granted SiteWorx Software USA, LLC the right and license to use such Marks and/or are used herein as nominative fair use. Due to continuous improvements and innovations, specifications may change without notice.

**PUB-001005-00 Rev C 03-24**

SiteWorx