

BEYOND CONTROLS

Harnessing Daintree® Networked to Enable IoT and Create an Intelligent Environment



Daintree® Networked puts the power of a fully automated facility in the palm of your hand. As the IoT backbone of an intelligent environment, Daintree Networked unleashes capabilities that generate more for your business operation, room after room, floor after floor, building after building.

It's designed to help you make smart business decisions while enhancing productivity and efficiency 24/7.

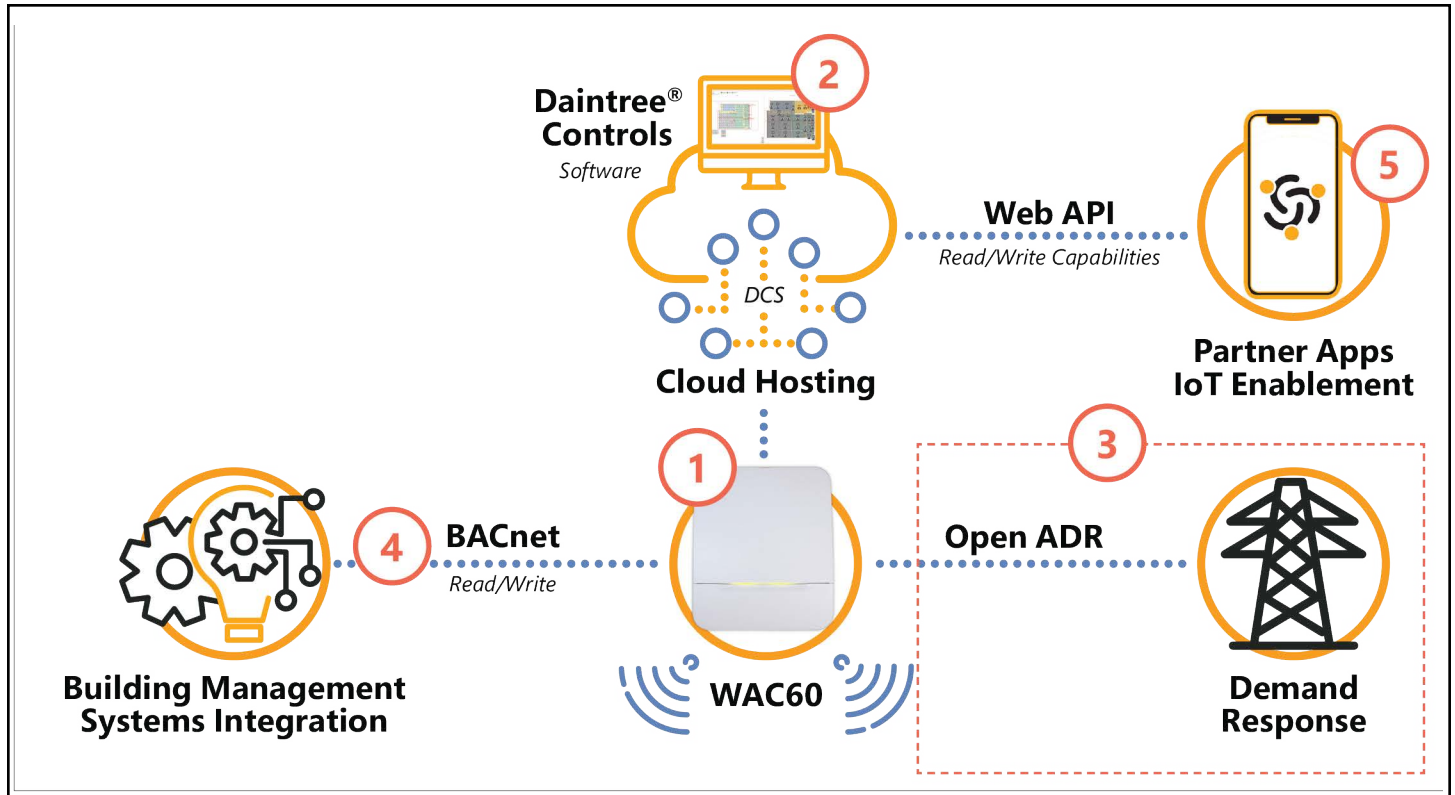
This technology used to tap into IoT is already incorporated on many of the most popular fixtures from Current. That means you won't need to invest in extra components to make IoT a reality.

Let's take a look at how it works.



IoT 101

With Daintree Networked, you're in the "captain's chair" of a comprehensive portfolio of amenities that expand into areas beyond lighting controls and energy savings.



Bringing IoT 101 to Life

1 The wireless area controller (WAC60) is the heart of the Daintree Networked platform, connecting lighting, plug loads and HVAC devices, and enabling dimmable light control, daylight harvesting, occupancy detection, people counting and other intelligent opportunities. It captures information from all Daintree® Wireless nodes and feeds them to Daintree® Controls Software by way of the cloud.

2 Daintree Controls Software is the brains of Daintree Networked, synthesizing data to handle simple tasks—like scheduling and monitoring of buildings—to more advanced executions—such as providing the open architecture to work with third-party devices and API platforms. This data utilization allows buildings to use IoT to increase productivity and efficiency.

 SOFTWARE THAT SAVES ENERGY
REAL-TIME REPORTING TO SHOW YOU HOW MUCH

3 Demand Response is an artery of IoT, allowing commercial buildings to shift their electricity usage back to the grid during peak periods in response to time-based energy rates or other financial incentives. Energy suppliers can utilize automatic switching to reduce power consumption in strategic locations, lessening the odds of power failures or brownouts.

4 Open architecture is the nerve center of IoT, letting you take advantage of the best third-party apps for your operation. Zigbee protocol technology serves as a common language to connect different building automated systems, breaking down the barriers between sensors, letting you pair your lighting sensors with other Daintree systems like HVAC and water heater controls.

5 By leveraging this specialized Zigbee technology translator, you can link devices from different third-party vendors and apps to create your own unique smart ecosystem—and control it from one centralized Daintree Networked hub.

Productivity Potential

Sensors, lamps and fixtures integrated to let you see and do more.



PRODUCT

WHS20 sensor and Albeo® lighting

FUNCTION

Heat mapping

USE CASES

Change manufacturing lines, layouts or shipping/receiving logistics based on usage patterns



PRODUCT

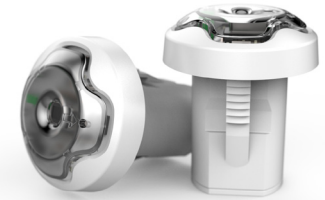
Daintree Networked occupancy sensor and photocell integrated into Lumination® fixtures

POTENTIAL FUNCTION

Occupancy sensing and daylight harvesting

USE CASES

Conference room booking; lights on/off based on occupancy



PRODUCT

WMZ10 people-counting sensor

FUNCTION

People counting

USE CASE IDEA

Improve store and building layouts and product positioning based on employee and customer counts

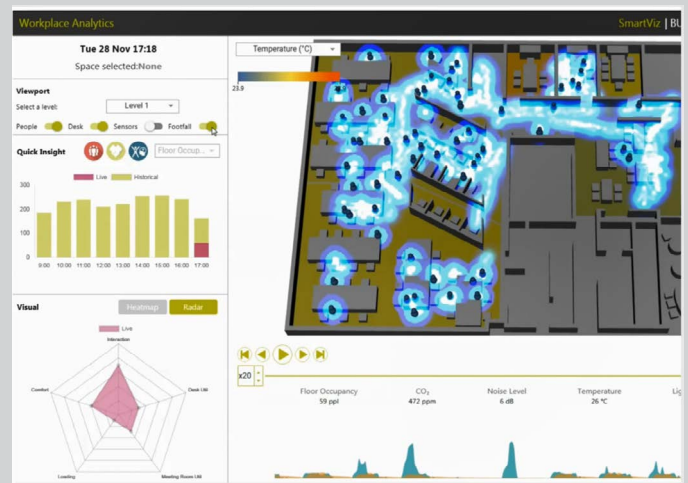
Excellence in Execution

INDUSTRIAL CASE STUDY: BuroHappold

A Safer Reopening

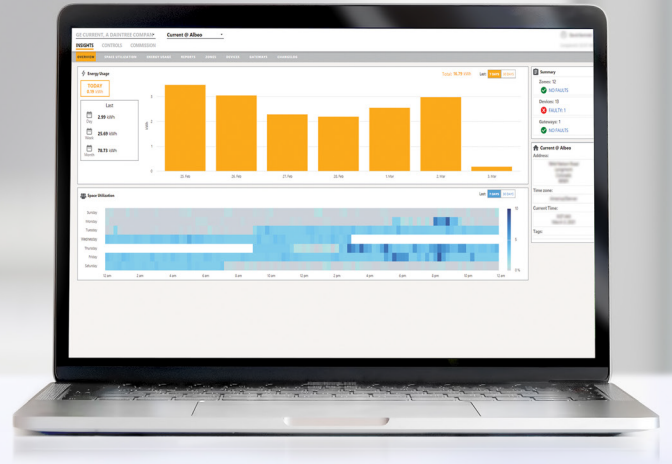
See how one integrated consultancy giant used controls and sensors that track temperature, humidity, carbon dioxide, light, noise and occupancy levels to ensure safe distancing and efficient layouts when returning to work.

To read about this study, refer to [LED.com](https://www.led.com)



WHY IT WORKS

Unpack the Complex to Simplify Your Operations



CONTROL

Energy savings

By combining networked controls with integrated sensors, Daintree Networked gives you full command of your entire building in one visual, web-based platform, ensuring every system runs as efficiently as possible.



IMPLEMENTING THE FULL SUITE OF DAINTREE NETWORKED CONTROLS CAN MEAN 50% ADDITIONAL ENERGY SAVINGS ACROSS LIGHTING, PLUG LOAD AND FANS.

ADDED CONTROL

Tapping into IoT

This smart tech lighting controls system can be utilized as a base IoT infrastructure that captures valuable data to help improve the efficiency of a building's lighting fixtures and its energy consumption, as well as increase the productivity of workers and employees.

ABSOLUTE CONTROL

Maximizing the unlimited

The possibilities for this expanded IoT infrastructure are endless. Offices can deploy productivity tools that identify open meeting rooms and change schedules on-the-fly, so employees don't waste time searching for a workspace.

Industrial facilities can use asset-tracking or wayfinding apps to monitor high-value assets and make it easier for workers to find what they need.

All spaces can use these controls for people counting to comply with occupancy limits and heat mapping to identify the most populated areas in a space, enabling you to achieve anything from optimizing cleaning schedules to more strategic retail displays.

Plus, tie into third-party sensors for temperature, leak detection and more. **And you're set up for future technological advances that haven't been created yet.**

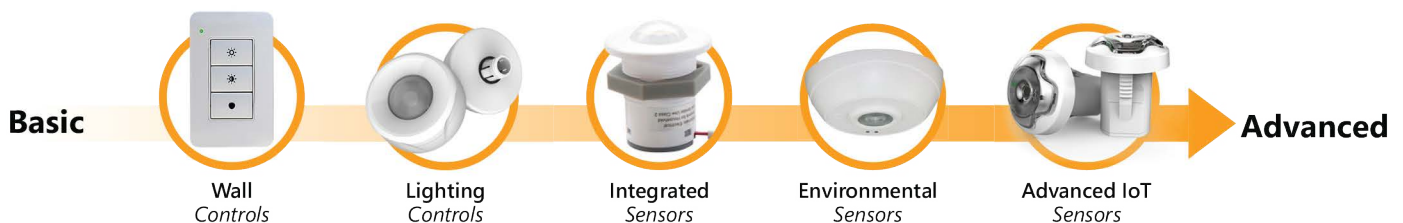
RIGHT PLACE. RIGHT TIME.

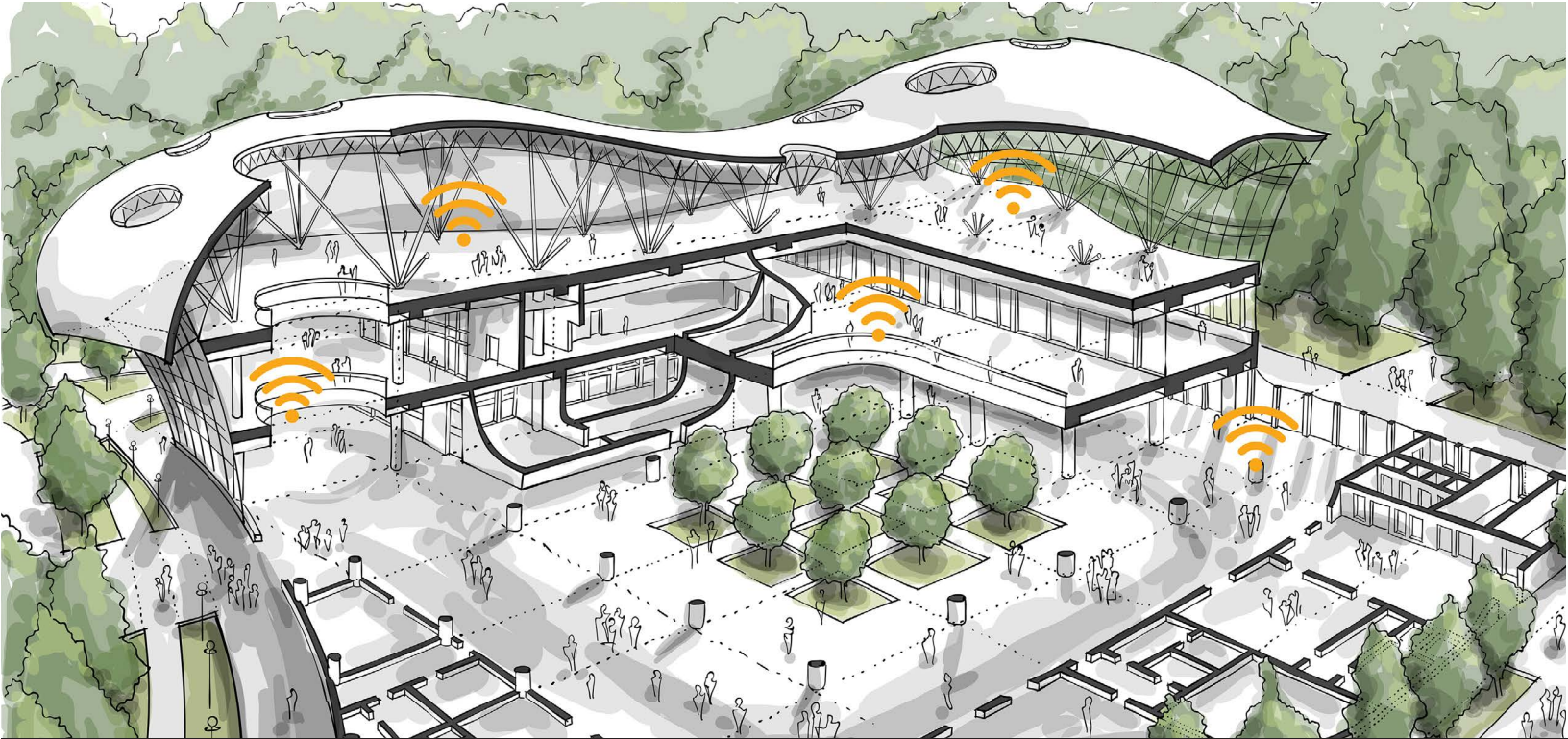
Scale Up to Your Needs

Add. Upgrade. Swap components. Do what you need to stay ahead of what's next rather than looking to catch up to it.

From wall-mounted displays to a centrally located dashboard that lets you see integrated data on all amenities, Daintree Wireless Controls allow you to scale up and customize over time as your

needs evolve and as technology advances. Thanks to the largest open-architecture advanced wireless control system, you can integrate other third-party sensors, devices and apps to help future-proof your operations and extend functionality.





PUTTING IoT INTO ACTION

Flexible. Focused. Set Up Right, Right From the Start.

For single facilities and especially for multilocation setups, we can help get your API up and running. We can introduce you to third-party developers, or if you already have an API partner, we can develop a networked strategy that enables the system they construct and deploy it for your operation.

DESIGN, SALES ENGINEERS AND SERVICE SUPPORT

Help on the Front End

Controls sales engineers assess your needs to find the optimum way to use the system. Expert design teams can review a blueprint and configure a system to it quickly.

Support on the Back End

Daintree support services provide 24/7/365 peace of mind to keep systems connected and cutting-edge as your business evolves.

Work with your Current rep to schedule a consultation with our Daintree Wireless Controls staff to customize an IoT solution that can make your business more productive today ... **and evolve with your business needs in the future.**

Current

Current - GLI Brands

25825 Science Park
Beachwood, OH 44122

LED.com

© 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

(Rev 06/26/23)

DT045-Daintree-IoT-and-Intelligent-Environments-Brochure_R01