



# EXECUTIVE MANAGER

As a Senior Manager you are very aware of the rising costs associated with running your business, the pressures for businesses to be environmentally responsible and the need to be more operationally efficient.

CopperTree Analytics provides you the tools to understand how your buildings are performing, allowing your team to manage these assets with ease and efficiency.



**COPPERTREE  
ANALYTICS**  
Realize building potential

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# Find out how CopperTree can help you as an **EXECUTIVE MANAGER**

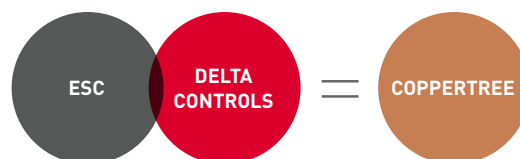
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CopperTree will help you **achieve operational savings** and **energy efficiency** and give you data to ensure you substantiate your Corporate Social Responsibility initiatives.

## About CopperTree

CopperTree is the result of a joint venture between ESC, one of North America's largest systems integrators and Delta Controls, one of the world's largest independent Building Automation System manufacturers and one of the original BACnet innovators. CopperTree is founded on 30+ years of building automation experience.



The International Energy Agency estimates that buildings represent one third of final energy usage. Making them more energy efficient can significantly help to achieve a more sustainable environment. Recent research\* also shows there are measurable cost saving benefits possible with the reduction in energy consumption and the improvement in operational efficiency.

\* Green Noise or Green Value? Measuring the Price Effects of Environmental Certification in Commercial Buildings Franz Fuerst and Patrick McAllister, School of Real Estate and Planning, Henley Business School, University of Reading.

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# INCREASE ENERGY EFFICIENCY

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CopperTree Analytics gives every Executive Manager access to the accurate metrics needed to allow changes to behaviors, processes and site management to cut energy use. CopperTree delivers the essential information to staff allowing them to act on improved energy efficiency, helping you achieve the green business goals you have set.

## REDUCE ENERGY CONSUMPTION

CopperTree helps you achieve this by giving you a better understanding of your building systems, showing which parts are over-using energy. These systems can be targeted for improvement.

### Calculate savings

Where costs are under scrutiny, CopperTree helps you optimize maintenance expenditures, by helping you target them specifically and demonstrate energy savings. You can see energy usage trends for sites, or individual system components, showing the progress you are making to reduce energy consumption.

### Access Government rebates

CopperTree can also integrate your utility tariffs so the building team can adapt usage of non core systems away from peak times.

CopperTree gives you all the data you need to demonstrate how much energy you are saving in support of your energy efficiency planning. This may make your business eligible for a number of special grants and tax breaks in some regions. Further, CopperTree's custom reporting tool allows you to meet the reporting requirements simply. Schedule these reports to run and be delivered to your inbox automatically and you'll always be informed and armed with the most recent results to communicate.

## CORPORATE RESPONSIBILITY

Making a more sustainable organization a reality can seem an expensive commitment, partly because behavioral change is required and people don't automatically think 'green' at work. CopperTree dashboards make your sustainability agenda very visible and have been proven to improve energy savings and helps to substantiate your Corporate Social Responsibility initiatives.

### Carbon footprint

The world's buildings create more CO<sub>2</sub> than all of the world's cars combined and climate change is a reality which needs addressing now. Businesses have a significant part to play in actively reducing the carbon buildings generate. CopperTree is an ideal solution to assist by helping you highlight energy saving opportunities and report on your progress. CopperTree can be configured to show different energy inputs your building uses and measure each separately, so you can be confident your renewable contribution will be tracked and measured.

### Aligning goals

CopperTree can be a shared energy platform accessed by multiple users in your organization, so you can set shared key performance indicators visible to all. You can print and export energy reports and display the dashboards in public areas or on your corporate website to demonstrate your organization's commitment to carbon reduction.

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# IMPROVE OPERATIONAL EFFECTIVENESS

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Site operating costs and productivity are significantly influenced by the effectiveness of management. CopperTree analyzes your data to give **powerful insight** into your buildings' performance. This allows you to **optimize resources** allocated to maintenance and protect the value of your physical assets.

## RESOURCE OPTIMIZATION

Value for money from your building maintenance budget is traditionally judged on either 'down time costs' or the number of complaints or issues being resolved. CopperTree analyzes your BAS data and provides insightful reports and alerts, so your Operations Team can prioritize their time and budgets, focusing on actual problems indicated by the system, often before they cause down time or building occupant complaints. **CopperTree enables 'just in time' proactive maintenance with all its efficiencies, such as longer equipment life, less routine servicing, and lower energy costs.**

## Smart maintenance cycles

CopperTree collects data from the system controllers in your infrastructure – normally programmed to turn on lights, lock doors, grant occupant access, or maintain ambient temperatures and air quality; so by their nature they generate huge amounts of data about your building.

CopperTree uses your data to see the whole interconnected system's past and present performance, and provides insights that allow you to direct maintenance to where it is needed now, rather than following a traditional pre-set maintenance schedule, which may be unnecessary and costly.

## EFFECTIVE FACILITY MANAGER TOOLS

Your Facilities Manager has a difficult job to do and needs to make choices about where to invest time and money, without impacting the smooth operation of the building.

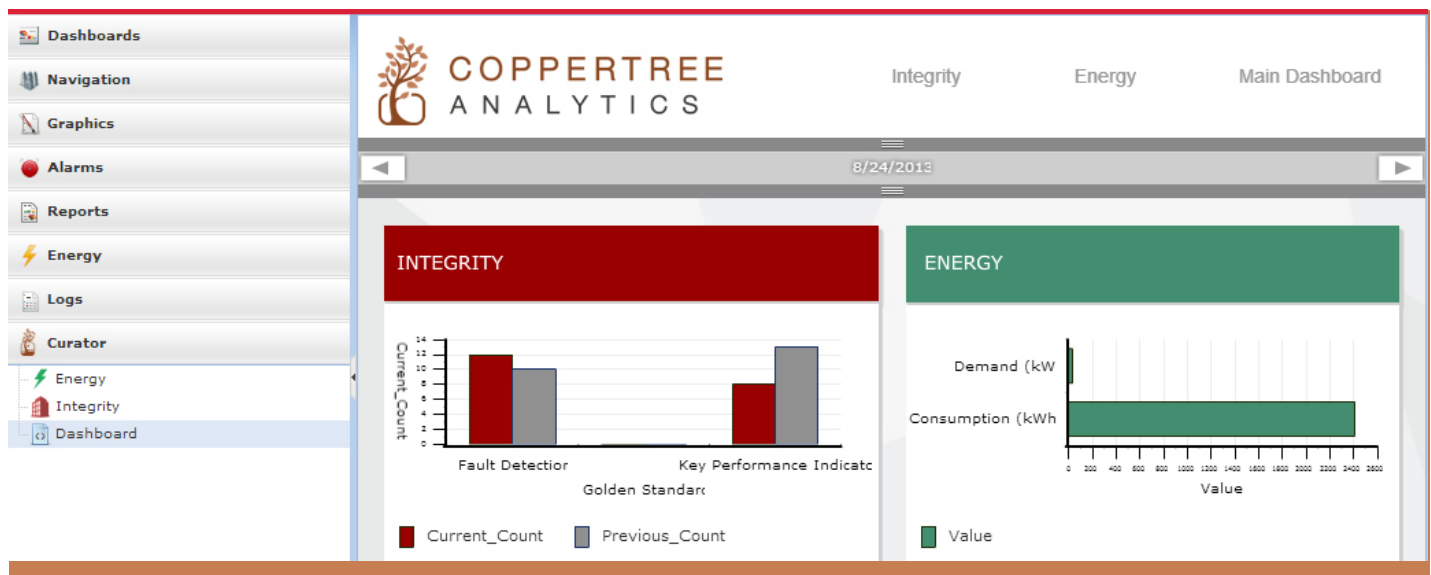
CopperTree makes a Facility Manager's job easier. Dashboards can be configured to show key views, with need-to-know data prominently displayed. Key Performance Indicators (KPIs) can be set and tracked by managers and executives.

## Measure performance

With CopperTree you can find out almost anything about your BAS, including HVAC performance, alarms, or even schedule changes. We charge based on systems and store all of your trend logs, so you can change reports or alerts at any time and still have a retrospective view of the new log.

CopperTree Kaizen can be programmed to show a number of dashboard KPIs. You can drill into the data to find trends for as long as the CopperCube has been in place. There is no charge for retrospective data and all data is securely stored for future use.

With so much data available, you need to know what is important. CopperTree's experience has been used to create the algorithms that interpret the data generated by your building. We can recommend key indicators to monitor, and we can also display your building information in ways that are meaningful to you.



## MAXIMIZE ASSET VALUE

Buildings and equipment likely add up to a sizable sum on your balance sheet, so they need to be carefully protected at the lowest possible cost. With CopperTree, you can target your spending and control your environment by constantly monitoring your system to evolve your own Golden Standard. CopperTree tells you what has changed in your system and allows you to determine if those changes are beneficial or need to be returned to their prior state.

### Protect investments

All buildings have implicit value and their systems need careful management. Others may contain expensive equipment or other costly assets which may be damaged by system malfunctions. CopperTree sorts through the sea of data your buildings generate and gives you meaningful information to help control these buildings with focus and purpose.

An investment in CopperTree will give you additional peace of mind, and will pay for itself several times over.

### Lifecycle costs

With CopperTree you can target your equipment reinvestments to those that need it most urgently. CopperTree gives your team the live information they need to make informed decisions about equipment maintenance and replacement – that's money in the bank for you.

## PRODUCTIVITY

Facility Managers have to balance urgent unplanned requests with ongoing maintenance cycles and system improvements. CopperTree allow staff to get on top of their workflow allowing the important preventative tasks to be completed.

### Quick response

CopperTree has built-in alerts which can be sent directly to the mobile devices of the people in your organization who need to know and can act appropriately. CopperTree goes a step further and can preempt when a problem is about to happen, advising if equipment starts performing outside of set standards.

### Site efficiency

With CopperTree you have information reporting at almost every level, so you can start seeing your building or site as a complete entity. CopperTree pinpoints irregularities so less time is wasted figuring out what the problem is and provides more time to address it.

### Comfort for people

Looking after the comfort and productivity has to be a top priority for your Facilities Team. CopperTree helps ensure you can provide optimal conditions often while reducing energy costs. Where tenant comfort is an important part of rent income, CopperTree can help you demonstrate you've met the requirements of occupancy comfort.



At CopperTree, we have 30 years of practical energy and building management expertise behind us, allowing us to bring you a SaaS solution to help you start saving energy now. Our passion is to empower you to take charge, by giving you the right tools to optimize building performance.

With CopperTree, you get more than just data presented back to you: our system takes real time data and adds insight about the impact of variables, unique to your building. This means you take back control of managing your resources – people, time and money – as you have the information you need to schedule the important and deal with the urgent, in the most efficient manner.

We understand that energy and building management is not about static measures, but about how systems develop. With CopperTree, you get all the information you need in one single platform, so you can be proactive in managing your building.

To find out what CopperTree can do for your building, visit our website at [www.coppertreeanalytics.com](http://www.coppertreeanalytics.com).

Or contact your local distributor now:



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[www.coppertreeanalytics.com](http://www.coppertreeanalytics.com)  
+1.855.575.5943