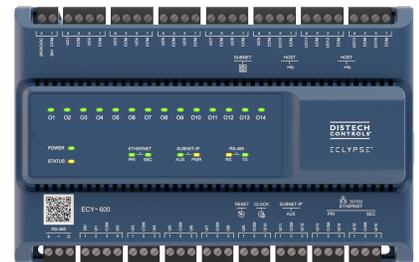# Eclypse™ Equipment Series Controllers

Eclypse controllers reimagined: advanced, adaptable, and engineered for tomorrow's facilities

- **Flexible**. Wider range of supported installation types to allow for easier installation and retrofitting:
  - Can be mounted **vertically and horizontally**; to allow for easier panel retrofits or when horizontal space is limited.
  - **Extended temperature range** of operation (-40 to 158°F (-40 to 70°C)) that will support installations in different equipment types. (Not for the ECY-103 Series)
  - Software Configurable I/Os reduce controller manipulation.
  - Optimum set of I/Os to control efficiently HPU, RTU, and AHU applications.

- **Designed for IoT**. Multiple networking options reduce installation costs and help with isolating networks.

- **Future-ready**. Each controller is powered by Eclypse Facilities and includes two years of Atrius Facilities - Organize.

- **Integrated LCD Screen**. An optional full-color backlit display with jog dial provides direct access to a wide range of controller functions. (Not for the ECY-103 Series)

- **Improved Fieldbus Integration**. More openness and flexibility towards fieldbus integration (licensed option for connectivity in Eclypse Facilities) on Eclypse controllers with an RS-485 port on all models.

- **Open**. Open platform for easy integration with 3rd party apps and systems.

- **Secure**. Cybersecure hardware that complies with the latest security standards for HVAC equipment controls.

www.distech-controls.com

DISTECH CONTROLS™

Extended Range of Applications

	Simple Equipment Control			Complex Equipment Control	

| Models	ECY-103	ECY-203/253	ECY-300/350	ECY-400/450	ECY-600/650 +ECY-IOM
Applications	Fan Coil Unit Zone Control Application Dedicated Air System	Heat Pump Unit Roof Top Unit	Roof Top Unit Small Air Handling Unit	Air Handling Unit	Large Air Handling Unit Chiller / Boiler
Onboard IO	8	14	16 or 18	24	30 + Modules
External HMI		ECx-Display / Subnet	or	ECLYPSE-Display / 10" 15" 21"	
Fieldbus integration					

Model Selection

Series	Model	Connectivity
ECY-	**103:** 8-Points, 24VAC/DC Power Supply, 4 UI, 2 UO, 2 DUO	**-C0:** default model if no connectivity is required **-C1 ... C25:** if connectivity is required
	203: 14-Points, 24VAC/DC Power Supply, 6 UI, 2 UO, 2 DUO, 4 DOT	
	253: 14-Points, 24VAC/DC Power Supply, 6 UI, 2 UO, 2 DUO, 4 DOT, Color display	
	300: 18-Points, 24VAC/DC Power Supply, 10 UI, 2 UO, 6 DUO	
	350: 18-Points, 24VAC/DC Power Supply, 10 UI, 2 UO, 6 DUO, Color display	
	400: 24-Points, 24VAC/DC Power Supply, 12 UI, 12 UO	**-C0:** default model if no connectivity is required **-C1 ... C50:** if connectivity is required
	450: 24-Points, 24VAC/DC Power Supply, 12 UI, 12 UO, Color display	
	600: 30-Points, 24VAC/DC Power Supply, 16 UI, 14 UO	
	650: 30-Points, 24VAC/DC Power Supply, 16 UI, 14 UO, Color display	

DISTECH CONTROLS™

DISTECH CONTROLS™

ECLYPSE Designer

Unlock Your Design Potential with this Easy-to-Use Web-Based Tool

A web-based graphic design and visualization tool used to deliver interactive user interfaces

- **Fast Loading and Responsive Design.** Native web pages with no browser plugins allow for quick loading and rapid responsiveness.

- **Multi-Device Support.** HTML5 allows content to be displayed on any web browser or mobile device independent of the operating system being used.

- **Intuitive Interface.** Create complex graphical interfaces through simple to use positioning and alignment tools.

- **Enhance Productivity.** Intuitive drag-drop functionality and graphical based programming.

- **Interoperability.** Consolidate data from multiple sources into a single unified display.

- **Provide a Better End-User Experience.** Deliver cost and time saving analytical tools through visually appealing dashboards.

- **Comprehensive Widget Library.** Utilizing the dcLibrary template gives users access to over 500 pre-built widgets that facilitate easier custom graphic creation.

- **Seamless integration**. Designer can be easily leveraged through ECLYPSE Building Intelligence via the Designer specific cards on the ECLYPSE Dashboard.

www.distech-controls.com
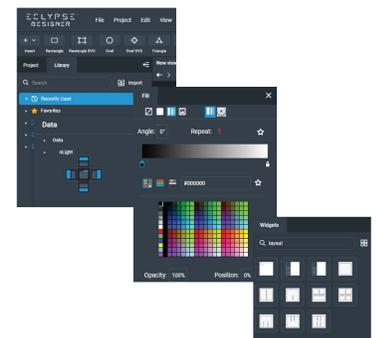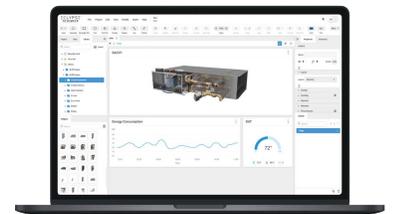
ECLYPSE Designer

The Distech Controls ECLYPSE Designer allows user to utilize the workflow oriented "drag and drop" Graphical User Interface (GUI) tool, to easily provide end users with analytical tools for their buildings, including dashboards, equipment graphics, alarm consoles, and more.
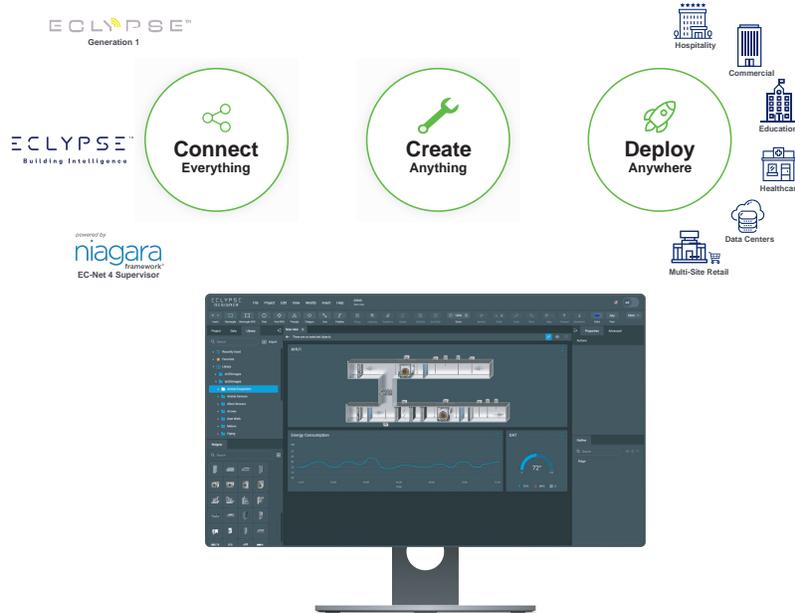
Model Selection

Series	Description
ECY-STAT-UPG-ENVY	License upgrade for Connected Thermostat. Adds ECLYPSE Designer to the ECY-STAT Series Thermostat.
ECY-VAV-UPG-ENVY	License upgrade for Connected VAV Controller. Adds ECLYPSE Designer to the ECY-VAV Controller.
ECY-PTU-UPG-ENVY	License upgrade for Connected Terminal Unit Controller. Adds ECLYPSE Designer to the ECY-PTU Series Controller.
ECY-303-UPG-ENVY	License upgrade for Connected Equipment Controller. Adds ECLYPSE Designer to the ECY-303 Controller.
ECY-303M3-UPG-ENVY	License upgrade for Connected Equipment Controller. Adds ECLYPSE Designer to the ECY-303-M3 Controller.
ECY-S1000E-28	Connected System Controller - Control, Automation and Connectivity Server with support of up to 28 I/O points and 3 Modbus devices. Embedded ECLYPSE Designer.
ECY-S1000E-28-MS	Connected System Controller - Control, Automation and Connectivity Server with support of up to 28 I/O points and 3 Modbus devices. Supports BACnet MS/TP. Embedded ECLYPSE Designer.
ECY-S1000E-48	Connected System Controller - Control, Automation and Connectivity Server with support of up to 48 I/O points and 10 Modbus devices. Embedded ECLYPSE Designer.
ECY-S1000E-48-MS	Connected System Controller - Control, Automation and Connectivity Server with support of up to 48 I/O points and 10 Modbus devices. Supports BACnet MS/TP. Embedded ECLYPSE Designer.
ECY-S1000E	Connected System Controller - Control, Automation and Connectivity Server with support of up to 320 I/O points (20 ECY I/O Extension Modules max) and 96 Modbus devices (32 Modbus RTU per trunk). Supports BACnet MS/TP. Embedded ECLYPSE Designer.
ECY-UPG-ENVY	License upgrade for Connected System Controller. Adds ECLYPSE Designer to the ECLYPSE control, automation and connectivity server.
EC-Net Designer 250	EC-Net Designer Core Software. Maximum limit of 250 Niagara points.
EC-Net Designer 500	EC-Net Designer Core Software. Maximum limit of 500 Niagara points.
EC-Net Designer 1250	EC-Net Designer Core Software. Maximum limit of 1250 Niagara points.
EC-Net Designer 2500	EC-Net Designer Core Software. Maximum limit of 2500 Niagara points.
EC-Net Designer 5000	EC-Net Designer Core Software. Maximum limit of 5000 Niagara points.
EC-Net Designer 10000	EC-Net Designer Core Software. Maximum limit of 10000 Niagara points.
EC-Net Designer 25000	EC-Net Designer Core Software. Maximum limit of 25000 Niagara points.
EC-Net Designer 50000	EC-Net Designer Core Software. Maximum limit of 50000 Niagara points.
EC-Net Designer UNL	EC-Net Designer Core Software. Unlimited Niagara points.

DISTECH CONTROLS

DISTECH CONTROLS™

PLATAFORMA

CONECTADA

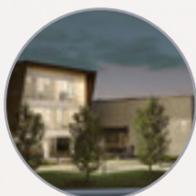## ABIERTA A DIFERENTES SERVICIOS

ECLYPSE™

OFICINAS

GM WORLD HEADQUARTERS
Detroit, MI, USA

RAYTEC VISION S.P.A. HEAD OFFICE
Parma, Italy

COMMERCE COURT
Toronto, ON, Canada

THE CORNICHE BUILDING
Lambeth, London, UK

EDUCACIÓN SUPERIOR

STANFORD UNIVERSITY
Stanford, CA, USA

EDIFICIO DE USOS MULTIPLES

THE GEORGE
Halifax, NS, Canada

EXPERIENCIA ECLYPSE

Con la plataforma ECLYPSE, puede proporcionar funcionalidades para controlar confort, eficiencia energética, así como una conectividad probada, sin rival, abierta a los servicios digitales.

GOBIERNO

LUKE AIR FORCE BASE
Phoenix, AZ, USA

BANCOS

CREDIT SUISSE HEADQUARTERS
Raleigh, NC, USA

THE MARITIME AND PORT AUTHORITY (MPA)
Singapore

ESCANEA PARA MÁS INFO

EL CENTRO PARA ACCEDER A LOS SERVICIOS

Disfrute de la flexibilidad de una plataforma que admite los protocolos más comunes del sector de la construcción y las tecnologías de la información para crear soluciones personalizadas para edificios y servicios de valor añadido disponibles tanto en las instalaciones como en la nube.

BMS

ECLYPSE™

IoT

BACnet IP

RestfulAPI.io

Modbus

M-Bus

Bluetooth®

enocean alliance
Building Smarter Connectivity

SEGURIDAD

Nuestra plataforma ECLYPSE ha sido creada con un proceso de ciclo de vida de desarrollo seguro y está validado y auditado por entidades independientes.

DISEÑADO PARA PERDURAR Y EVOLUCIONAR

UNA GAMA COMPLETA

Los controladores ECLYPSE comparten una única plataforma que permite configurar, escalar y adaptar una amplia gama de aplicaciones de climatización: desde el control de un cuarto o hasta centralizar un edificio completo.

PREPARADO PARA EL FUTURO

Nuestro compromiso con los estándares abiertos, combinado con la conectividad de la plataforma ECLYPSE, prepara los edificios para el futuro, ya que los adapta a una tecnología en continua evolución.

MANTENIMIENTO SIMPLIFICADO

Ahorre recursos valiosos con nuestras herramientas móviles para una instalación y mantenimiento rápidos.

- Conexión directa por IP y punto de acceso Wi-Fi a su controlador.
- La conectividad temporal permite a los ingenieros de campo configurar un entorno eficiente para las fases de instalación y mantenimiento.

EL PODER DE LA PLATAFORMA ECLYPSE

DISEÑO E INSTALACIÓN SIMPLIFICADOS

- Conectividad IP end-to-end
- Entrega in situ de productos preconfigurados

CONECTIVIDAD

La gama de controladores ECLYPSE le permite elegir entre una conexión IP cableada y/o Wi-Fi e intercambiar datos utilizando protocolos BMS, IT e IoT.
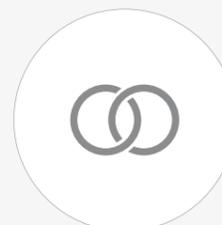
VISUALIZACIÓN

Controlar sus instalaciones es fácil gracias a los gráficos avanzados y fáciles de usar, los cuales se pueden ver en una PC, tableta o celular.

EFICIENCIA

Gracias a su conectividad IP, los controladores ECLYPSE se benefician de un mayor ancho de banda y velocidad, lo que permite el intercambio de grandes cantidades de datos.

TODO EN UNO

La serie de controladores ECLYPSE es compatible con la solución Smart Room Control, un sistema unificado para el control de equipos terminales de climatización, iluminación y persianas. Al elegir ECLYPSE, podrá incorporar conectividad basada en IP a esta solución única y modular.

DISTECH CONTROLS™
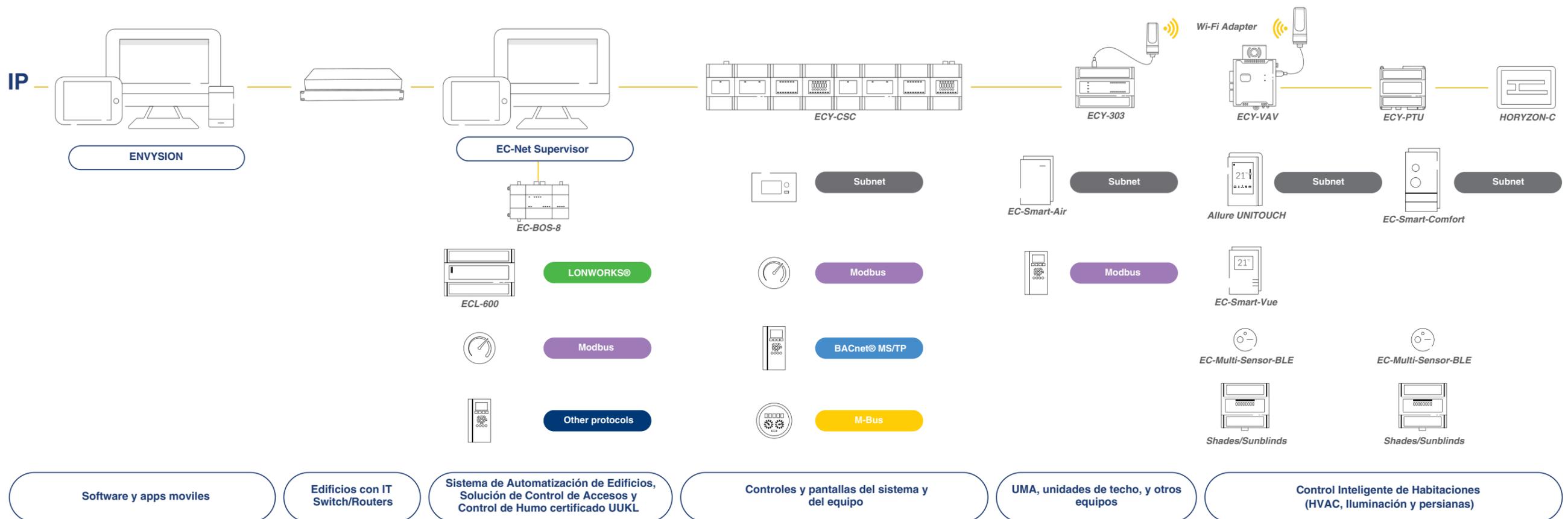## DISTRIBUCIÓN DE LA CONECTIVIDAD IP EN TODO EL EDIFICIO

IP

ENVYSION
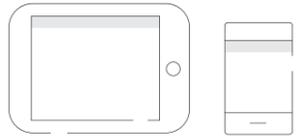
Apps Moviles

myDC AirBalancing, xpressNetwork Companion, myDC Control, my PERSONIFY and my PERSONIFY Workplace

MEJORA DEL RENDIMIENTO DE LOS EDIFICIOS

SERVICIO Y BIENESTAR DE LOS OCUPANTES

GESTIÓN DEL ESPACIO

EC-Net Supervisor

EC-BOS-8

ECL-600 · LONWORKS®

Modbus

Other protocols

ECY-CSC

Subnet

Modbus

BACnet® MS/TP

M-Bus

ECY-303

EC-Smart-Air · Subnet

Modbus

Wi-Fi Adapter

ECY-VAV

Allure UNITOUCH · Subnet

EC-Smart-Comfort · Subnet

EC-Smart-Vue

EC-Multi-Sensor-BLE

Shades/Sunblinds

ECY-PTU

HORYZON-C

EC-Multi-Sensor-BLE

Shades/Sunblinds

Software y apps moviles	Edificios con IT Switch/Routers	Sistema de Automatización de Edificios, Solución de Control de Accesos y Control de Humo certificado UUKL	Controles y pantallas del sistema y del equipo	UMA, unidades de techo, y otros equipos	Control Inteligente de Habitaciones (HVAC, Iluminación y persianas)

SERIES DE CONTROLADORES ECLYPSE

Controlador del sistema conectado ECLYPSE ECY-S1000
- Ideal para el control de plantas centrales y equipos mecánicos, el controlador de sistemas conectados ECLYPSE es modular y escalable para abordar eficazmente cualquier aplicación de climatización.

Controlador conectado ECLYPSE para equipos de climatización ECY-303
- Diseñado para controlar pequeñas unidades de tratamiento de aire, bombas de calor, fan & coils y chillers, así como instalaciones multisitio.
- Aplicaciones integradas precargadas.

ECLYPSE Connected VAV Controller / ECY-VAV y ECY-VAV-PoE Series
- Diseñado para controlar todo tipo de instalaciones de Volumen de Aire Variable (VAV)
- Aplicaciones integradas precargadas

Controlador conectado para unidades terminales ECLYPSE ECY-PTU/TUSeries
- Diseñado para controlar unidades terminales como fan coils, vigas frías, bombas de calor y techos
- reversibles. Compatible con nuestra solución Smart Room Control, para una solución unificada e integral para el control de la climatización, la iluminación y las
- persianas. Aplicaciones preinstaladas integradas para unidades terminales.
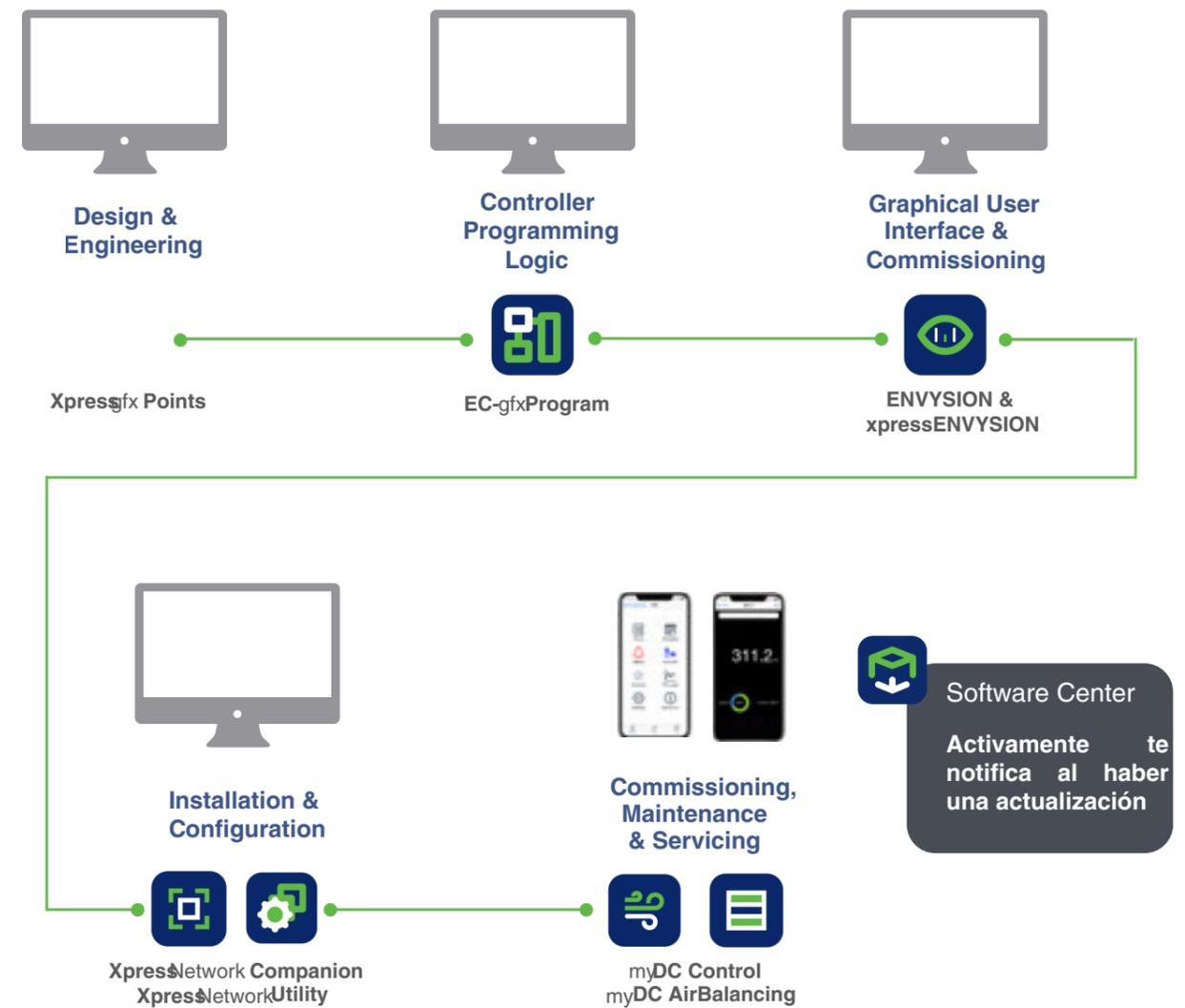
Termostato Conectado ECLYPSE ECY-Stat
- Un controlador que ofrece diversas funciones a través de su interfaz táctil.
- Permite ajustar la temperatura, la velocidad del ventilador, el modo HVAC y la posición de la iluminación/persiana mediante BACnet.

HERRAMIENTAS DE PROGRAMACIÓN Y MEJORA DE PRODUCTIVIDAD

Distech Controls proporciona herramientas para programar y mejorar la productividad que se pueden utilizar con nuestros controladores de climatización ECLYPSE Connected BACnet/IP y Wi-Fi, que le ayudan a entregar su proyecto a tiempo y sin sobrepasar el presupuesto.

Design & Engineering

Xpress*gfx* **Points**

Controller Programming Logic

EC-*gfx***Program**

Graphical User Interface & Commissioning

ENVYSION & xpressENVYSION

Installation & Configuration

Xpress*Network* **Companion**
Xpress*Network* **Utility**

Commissioning, Maintenance & Servicing

my*DC* Control
my*DC* AirBalancing

Software Center

Activamente te notifica al haber una actualización

INTERFACES DE USUARIO PARA TODAS LAS PARTES INVOLUCRADAS DEL EDIFICIO

PARA TÉCNICOS

La gama de interfaces dedicadas de Distech Controls permite a los integradores de sistemas y a los gestores de instalaciones visualizar y controlar los parámetros operativos de sus sistemas para simplificar el proceso de puesta en marcha y optimizar las operaciones de mantenimiento.

HORYZON-C

ECx-Display

my**DC Control**

PARA USUARIOS

Proporcione a los usuarios un control personalizado del confort gracias a interfaces modernas y atractivas que mejoran la eficiencia de los residentes.

- Solucion Modular: **Una amplia gama para satisfacer todas tus necesidades.**

- Fácil de instalar: **Disponible en formato con cable o inalámbrico para adaptarse mejor a las necesidades de su proyecto.**

- Experiencia de usuario mejorada: **Gracias a interfaces conectadas y fáciles de usar.**

my**PERSONIFY**

Allure
UNIWAVE*

Remote
UNIWAVE*

Allure
UNITOUCH*

ECLYPSE Connected
Thermostat*

* Todos los productos están disponibles en dos colores: blanco y negro.

Conectamos a las personas con soluciones inteligentes para edificios con el fin de mejorar la salud, los espacios y la eficiencia.

Distech Controls conecta a las personas con soluciones inteligentes para edificios a través de nuestras tecnologías y servicios innovadores. Colaboramos con nuestros clientes para ofrecer soluciones innovadoras que proporcionen una mejor salud, mejores espacios y una mayor eficiencia. Nuestra pasión por la innovación, la calidad y la sostenibilidad guía nuestro negocio, que presta servicio a múltiples segmentos del mercado a través de divisiones comerciales en todo el mundo, oficinas de servicio y una red superior de integradores y distribuidores de sistemas autorizados. Distech Controls, Inc. es una filial de Acuity Brands Lighting, Inc.

Eclypse™ Apex

The most powerful Eclypse Series Controller with advanced IoT and AI capabilities.

The Eclypse APEX controller combines powerful building automation with built-in IoT and AI capabilities empowering building operators to leverage unmatched connectivity and openness to uncover time and energy savings, streamline operations, and deliver exceptional occupant experiences.

Eclypse Apex Controllers in Action

- **Developer Ready:** 3rd party developers can easily design and implement their own applications to support HVAC equipment goals such as energy efficiency, and equipment optimization.

- **Designed for Flexibility:** Eclypse APEX controllers adapt to the unique needs of your buildings with open RESTful APIs and support for industry-standard protocols including BACnet, Modbus, and M-Bus.

- **Secure by Design Compliant:** Enterprise-grade cybersecurity with protections that align to the latest IT standards and strengthen over time through continuous updates, keeping your building secure today and tomorrow.

- **Bridging OT and IT:** Support for Docker-based edge applications enables on-controller logic and easy integration with enterprise/cloud services.

- **Enhanced User Experiences:** Add digital services for specific needs such as energy reporting directly to any Eclypse Controllers.

- **Custom Application Development:** Deploy a custom air-quality monitoring app directly on the controller to improve occupant health without adding extra hardware.

- **Cloud Connectivity:** Every Eclypse Controller is powered by Eclypse Facilities, our leading software designed to expand remote monitoring and connectivity. Working seamlessly with Atrius Facilities, this cloud-based platform unlocks portfolio-wide dashboards and advanced analytics across all your buildings, while enabling scalable, cloud-driven equipment management for smarter, more efficient operations.

- **Expanded Service Offerings:** APEX extends beyond control, with containerized apps and custom connectors on Eclypse Facilities enabling digital services such as analytics, KPIs, and seamless third-party integrations.

Eclypse™

DISTECH CONTROLS™

Powerful specs, leading the Way in Smart Building Management with AI at the Edge

CPU Microprocessor
Quad core 1.6 GHz
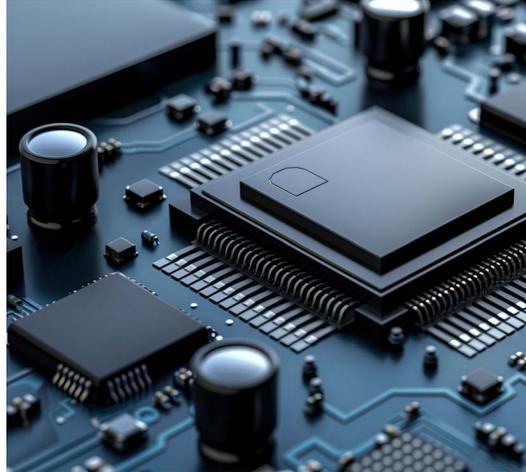ARM Cortex A53 64 bits

Connectivity
2x USB 3.0 Type-B Ports,
1x USB Type-C
Dedicated processor for
RS-485 communications

Network
2x Gigabit
Ethernet ports

Security
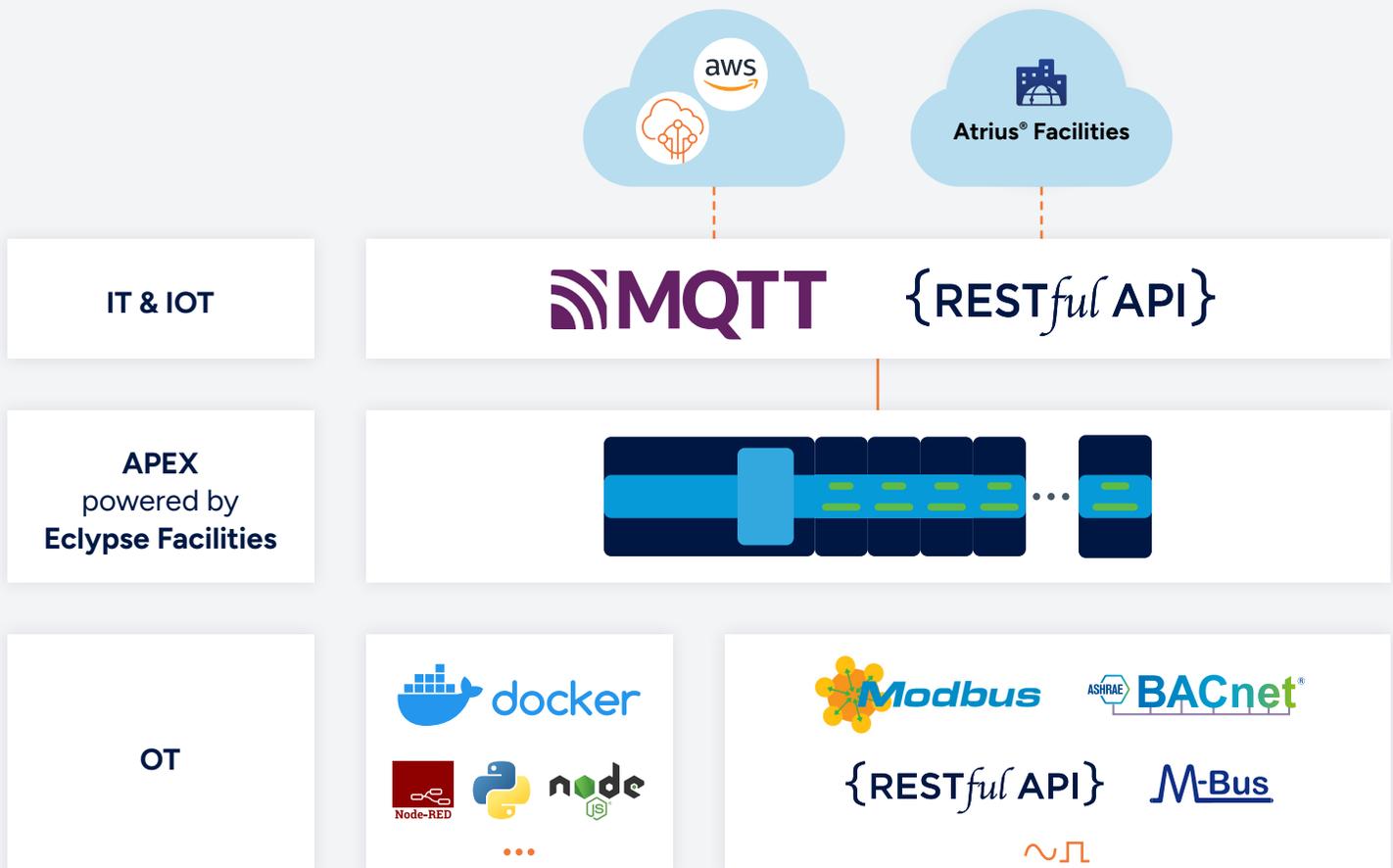Secure boot and additional
physical security measure

Memory
2GB RAM
(512MB for docker containers)
32GB Flash
(20GB usable)

AI Machine Learning
AI Accelerator

One Controller to Orchestrate the Building and Empower Your Applications

aws

Atrius® Facilities

IT & IOT — MQTT, {RESTful API}

APEX powered by Eclypse Facilities

OT — docker, Node-RED, python, node JS, Modbus, ASHRAE BACnet®, {RESTful API}, M-Bus

Acuity

EC-Net™

Building Management and Integration Platform powered by the Niagara Framework®

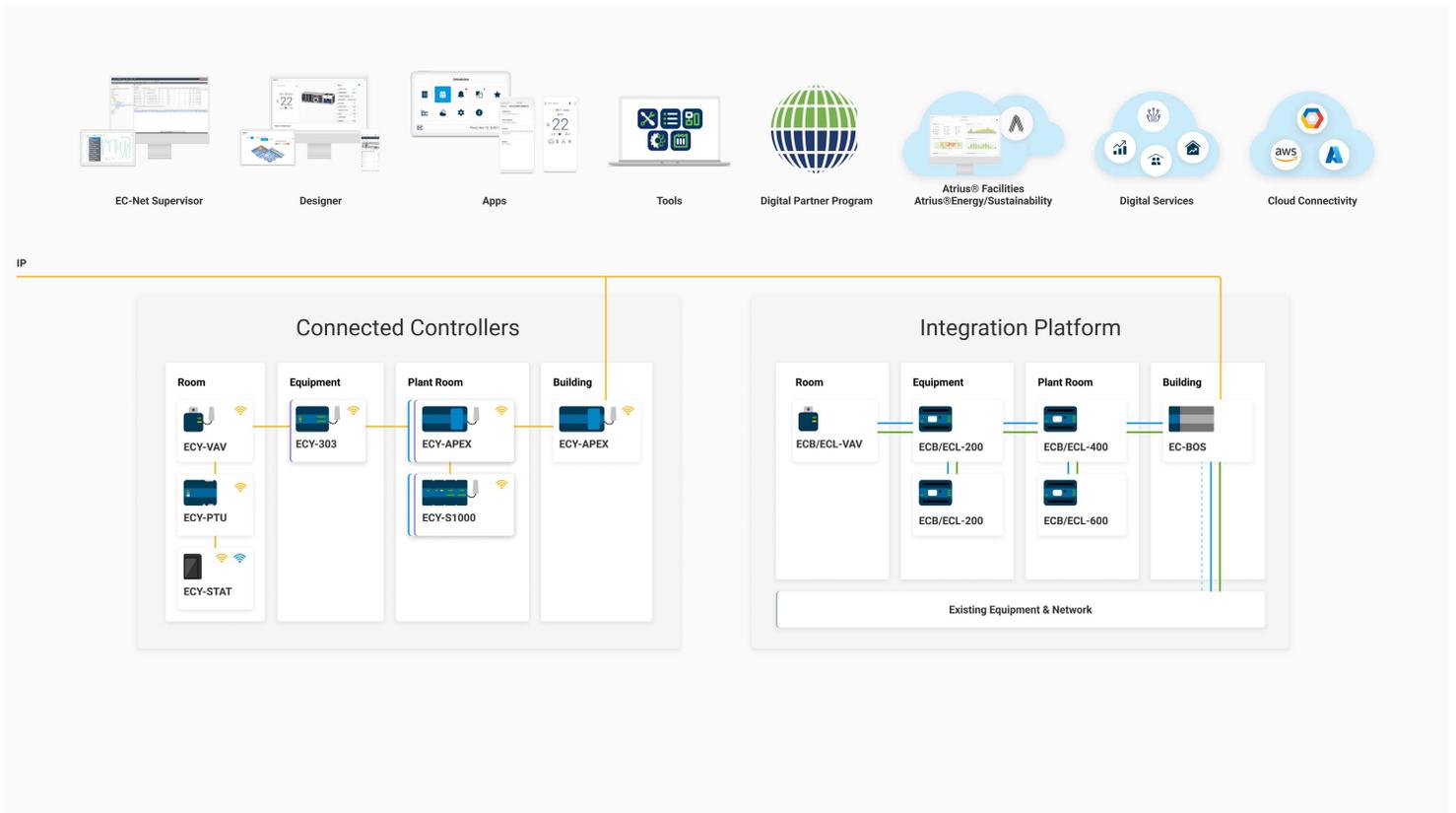## Fully integrate and remotely manage your various building systems

- **Web-based, open and multi-protocol platform**. Open and proprietary protocols for various automation, enterprise and IoT systems including those for HVAC, lighting, energy, fire and smoke, physical access, video, and industrial/processing control.

- **Scalable platform and licensing model**. Suitable for small, single buildings using the EC-BOS embedded building controller, up to large multi-site campuses by also leveraging the EC-Net Supervisor hosted on a Windows® or Linux®-based server.

- **Enhanced integration platform**. Improved navigation, searching, tagging, and templating functions that provide the foundation for organizing data, advanced searching capability and deploying systems quickly and consistently.

- **Distech Controls' complete offering**. A suite of programming and productivity tools built to seamlessly connect our award-winning BAS control products to EC-Net.

- **Powerful security features**. EC-Net 4 ensures both your system and data are secure at all times through advanced authentication and encryption processes.

- **Common platform provides global functions**. Network control, monitoring, alarming, database and log management, and audit trails for all building functions.

- **Graphical user interface**. Includes comprehensive graphic libraries for creating end-user views that are consistent across all commonly used Web browsers and devices.
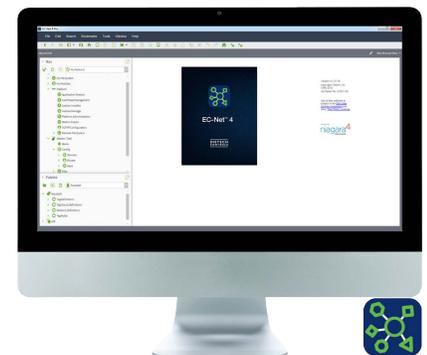
powered by
niagara
framework®

www.distech-controls.com

Integrated Building Management with EC-Net

The open architecture of EC-Net's building management system (BMS) creates a common development and management environment for the integration of BACnet®, LONWORKS®, Modbus®, and many other protocols.

EC-Net Supervisor   Designer   Apps   Tools   Digital Partner Program   Atrius® Facilities Atrius®Energy/Sustainability   Digital Services   Cloud Connectivity

IP

Connected Controllers

Room	Equipment	Plant Room	Building
ECY-VAV	ECY-303	ECY-APEX	ECY-APEX
ECY-PTU		ECY-S1000	
ECY-STAT			

Integration Platform

Room	Equipment	Plant Room	Building
ECB/ECL-VAV	ECB/ECL-200	ECB/ECL-400	EC-BOS
	ECB/ECL-200	ECB/ECL-600	

Existing Equipment & Network

DISTECH CONTROLS™

Secure-by-Design

Open, Secure and Connected Solutions

A fast-to-deploy, reliable cybersecurity solution with unmatched inherent security and maintainability.

Elevate the Quality of Your Facility by Leveraging the Power of Our **Digital Partner Program**

Digital Partner Program

The **Distech Controls Digital Partner Program** links smart building integrators and digital service companies to leverage their expertise and best practices in getting the right data to the right people and systems at the right time, making critical facilities more connected, efficient, and intelligent.

- The Digital Partner Program delivers intelligent, efficient, and **innovative building solutions** supported by the collaborative efforts of a network of world-class experts.

- Offer advanced digital infrastructures allowing for a better understanding of the building's overall usage and **enhanced occupant experience.**

- **Ensure quality deployment** of the BMS and facilitate secure and reliable data exchange between OT, IT, IoT and AI disciplines.

High Value Cybersecurity for Critical Facilities

Achieve Better Proactive and Reactive Protection Of Your Buildings

Zuul IoT provides centralized risk and policy driven protection, enforcement, and monitoring mechanisms designed for building control systems and operational technology (OT) deployments.

Zuul IoT simplifies the deployment and management of cybersecure OT Networks by eliminating the complexity of digital certificate management needed to implement secured communication such as BACnet/SC as well as Distech Controls RESTful API.

Zuul IoT insures the integrity of the OT network by identifying unauthorized equipment in real time and monitoring the data exchange inside, across and outside your network, done between each authenticated device and services.

Ensure Optimal Operation of Your Smart Building while Mitigating Cybersecurity Risks

The integration of various system in todays smart building require an extra layer of security to minimize risk of disruption caused by cyberthreats.

BMSs provide automated control over a building's critical operations, including but not limited to climate, lighting, and physical security. As these systems become increasingly inter-connected as well as connected to the internet, they become vulnerable to cyber threats.

By investing in operational technology cybersecurity, companies can protect their digital infrastructure from cyber threats and minimize disruption. With the right cybersecurity technology, business can be better prepared to face cyber threats, minimize the risk of disruption, and reduce liability.

Whitelist-In-Depth Approach To Securing Eclypse and EC-Net Systems

Detailed Equipment Inventory

Accurate asset visibility is an important component of any OT network. It provides the ability to monitor and track controllers, allowing organizations to make informed decisions about their resources, their configuration and protection.

Device Identification, Behavior Profiling and Protection

Device identification, behavior profiling and device hardening are essential steps in ensuring that controllers are secure and protected from malicious actors. Device identification combined with behavior profiling and enforcement can detect and prevent any suspicious activity or anomalies, as well as enforce configuration management.

Network Defense and Segmentation Controls

Network monitoring detects malicious activities in real-time, allowing facility managers to take prompt action to prevent further damage or disruption through the elimination of lateral movement.

Segmentation restricts or limits access to vital resources that could be targeted by cyberattackers. By segmenting networks into multiple small zones, it limits the scope of a potential attack and reduces the risk of any asset being breached.

Digital Certificate and Credential Management

With the increasing threats posed by cyberattacks and a demand for open systems, Distech Controls recognizes the importance of providing secure solutions for their customers.

Secure-by-design simplifies the adoption of BACnet/SC and RESTful API communication protocols by removing complexity and ensuring security. Using certificates can be challenging but with Zuul IoT's integrated approach, leveraging digital certificates to improve your organizations security posture is easy, straight-forward, and is a key component of an organization's Zero Trust strategy.

Secure-by-design with its support for BACnet/SC and RESTful API combined with its integrated approach to endpoint protection, connectivity and credentialing mitigates these "blind" spots and streamlines the deployment and management of this new industry standard.

Zuul IoT Solutions

Security Engine - Defines, monitors, and controls cybersecurity policy, (Vendor Device Profiles, Enterprise Deployment models, and Orchestration).

Network Defense - Identifies and manages network boundaries, lateral movement controls, and network segmentation as well as captures device profiles and executes network white-listing.

Eclypse Protector - Digital certificate management, user access control, device integrity, and malware detection on any Distech Controls' Eclypse Controller.

AAA Connectivity & Credentialing - Cross-vendor, least-privilege access control supporting human-to-machine, machine-to-machine communications, and certificate authority infrastructure.

Real-world, Actionable Dashboards

High quality cybersecurity dashboards are important as organizations face more sophisticated threats. By presenting actionable information in a useful fashion, Zuul dashboards can provide facility managers and security administrators with a clear understanding of their security posture and alert them to potential risks in real-time.

Inventory Dashboard

The dashboard provides secure critical BMS infrastructure with asset discovery and inventory management. Having a comprehensive view of inventory inside and outside the OT network can help organizations better identify what devices are unauthorized.
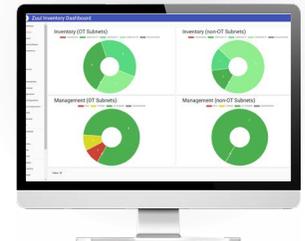
Security Dashboard

This dashboard allows administrators to take proactive measures before an attack occurs. It provides visibility that enables IT and OT departments to identify potential threats, detect anomalies and investigate incidents quickly.
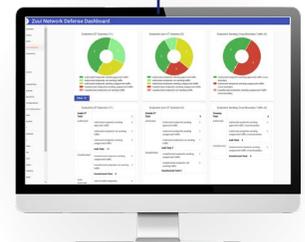
By monitoring the device environment for suspicious activity, companies can ensure that only authorized users have access to sensitive equipment. Malicious actors are prevented from gaining access to critical systems while configuration management best practices and hardening documents are enforced.
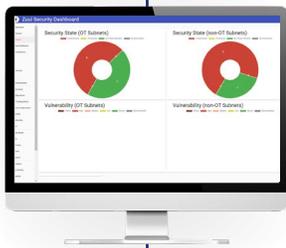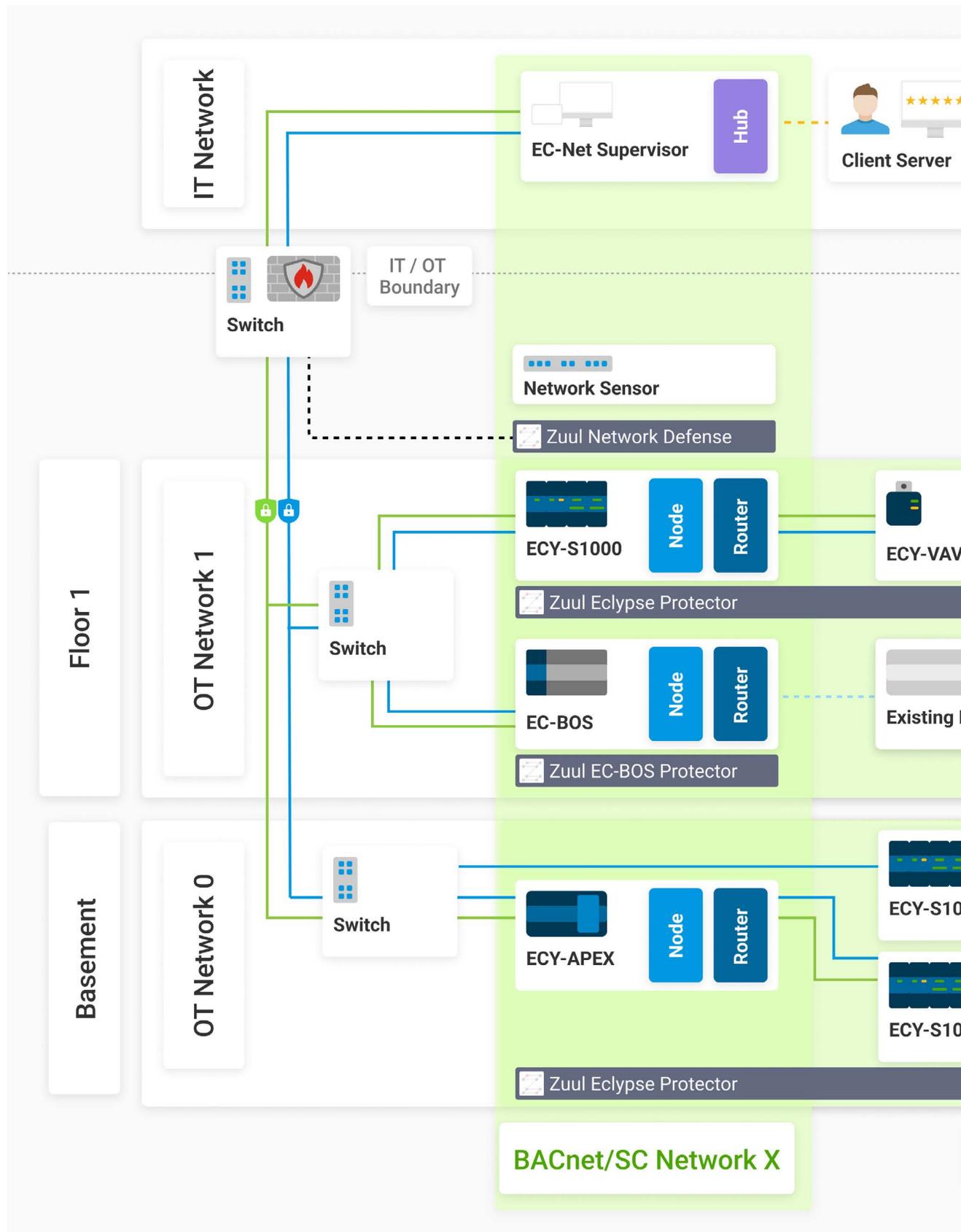
Network Defense Dashboard

The defense dashboard provides complete visibility of network activity including cross-boundary network traffic, network segmentation, and boundary management.

Monitoring cross-boundary traffic on an OT network ensures the security and integrity of the network. Organizations can detect malicious actors and prevent unauthorized access, it can also protect against Denial-of-Service (DoS) attacks, detect suspicious behavior or activities that may signify a breach, and provide visibility into other potential threats. This helps organizations maintain the highest level of security for their IT/OT infrastructure.

Best-In-Class Cyber Secure Architecture

IT Network

EC-Net Supervisor

Hub

Client Server

Switch

IT / OT Boundary

Network Sensor

Zuul Network Defense

Floor 1

OT Network 1

ECY-S1000

Node

Router

ECY-VAV

Switch

Zuul Eclypse Protector

EC-BOS

Node

Router

Existing

Zuul EC-BOS Protector

Basement

OT Network 0

Switch

ECY-APEX

Node

Router

ECY-S10

ECY-S10

Zuul Eclypse Protector

BACnet/SC Network X

Authentication Server

Router

GateKeeper

Zuul Security Engine

ZSE

Node

Node

ECY-VAV

Node

ECY-VAV

Node

ECY-STAT

Node

Equipment

BACnet/SC Network 1

000

000

Node

BACnet/SC Network 0

Firewall ——— BACnet/SC ——— Secure RESTful API ········· Optional third party field buses

The Secure-by-Design solution can also be partially hosted in the cloud to ensure the cyber security of a building portfolio.

The Most Advanced, Secure-by-Design Cybersecurity Solution for Critical Facilities

DISTECH CONTROLS™ + **Ƶ Zuul**

A fast-to-deploy, reliable cybersecurity solution with unmatched inherent security and maintainability.

A streamlined, end-to-end security system that meets the most stringent cybersecurity standards-Zero Trust Security Framework, NIST Cybersecurity Framework (NIST SP 800 82), Cybersecurity of Facility-Related Control Systems (UFC 4-10-06) while leveraging the power of the Eclypse product line.

Simplified day-to-day security management for facility managers and cybersecurity professionals.

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