



Changes for the Better!

Houston – Maggiano's Memorial City
September 10, 2026



1

A Brief (re)Introduction to ICONICS

Now Mitsubishi Electric Iconics Digital Solutions

About Mitsubishi Electric Iconics Digital Solutions

Enabling Smart Manufacturing, Buildings, and Infrastructure



**MITSUBISHI ELECTRIC
ICONICS DIGITAL SOLUTIONS**

Headquartered in Foxboro, MA Since 1986



**100+ Countries
400+ Partners**



**375,000+ Installations
Worldwide**



**Seven-time Microsoft Partner
of the Year Winner**

Enabling Digital Transformation

We are a global leader in industrial automation, smart and sustainable buildings, and digitalization software. Our advanced digital solutions enable businesses to visualize, monitor, and optimize their most critical assets and spaces.



Mitsubishi Electric Iconics Digital Solutions

Our Customers.... and industries served



**Automotive
and Tire**



Data Centers



**Energy
and Utilities**



**Food
and Beverage**



**Government
and Defense**



**Infrastructure
and Transportation**



Life Sciences



Manufacturing



**Materials
and Mining**



**Oil, Gas,
and Chemicals**



Smart Buildings



**Water
and Wastewater**

DeviceXPlorer[®]



Industrial Communications

- Connects PLCs, robots, NC, meters, instruments, and IIoT devices—over 400 device types from 100+ vendors.
- Speaks OPC UA, DA, AE and SuiteLink, plus MQTT and HTTP for cloud, with certificate-based encryption.

GENESIS[™] | 11



- ✓ Unlimited Clients
- ✓ Unlimited Alarming
- ✓ Unlimited Data Historian
- ✓ Unlimited Asset Structures
- ✓ Unlimited Reporting
- ✓ Unlimited Tags available

Automation Software Platform

- Build your ideal solution for HMI/SCADA, Historian, Alarm Management, BMS, FMS, DCIM, EMS and MES.
- Make the *Invisible Visible* with a modern, high-performance, secure and scalable, no-code architecture.

IBSS[®]



Office Experience & Workplace Management

- Cloud platform and app suite unifying spatial, static and live IT, OT and IIoT building data.
- Plug & Play PropTech with open APIs, modular licensing, workplace experience and ESG reporting.

Today's Session Objective

What is a Modern Automation Platform?



01

SELECT

Characteristics of a
modern platform?



02

OPERATIONALIZE

Turn operational data
into informed decisions



03

IMPROVE

Move from reactive to
proactive operations



04

TRUST

Scale securely using
modern IT standards

2

Smart Buildings Industry Point-of-View

Customer Needs and Market Trends... that require modern platforms

Common Objectives for all Building Types

- **Reduce Operating & Energy Costs**
Drive efficiency while maintaining a safe environment
- **Address Workforce Challenges**
Tech to augment the shortage of skilled human resources
- **Maximize Productivity of Available Space**
Occupancy and use pattern changes post-pandemic
- **Comply with Government Policies & Regulation**
Health and safety, carbon neutrality, and sustainability



Smart Buildings Solutions

Transform your people,
places, and spaces.



**MITSUBISHI ELECTRIC
ICONICS DIGITAL SOLUTIONS**



Occupant Experience & Workplace Management

The Intelligent Buildings Software Stack (IBSS) is an office experience and workplace management SaaS Platform which helps organizations transform in-building hybrid work experiences through digital signage, room booking, colleague-finding, announcements and much more.



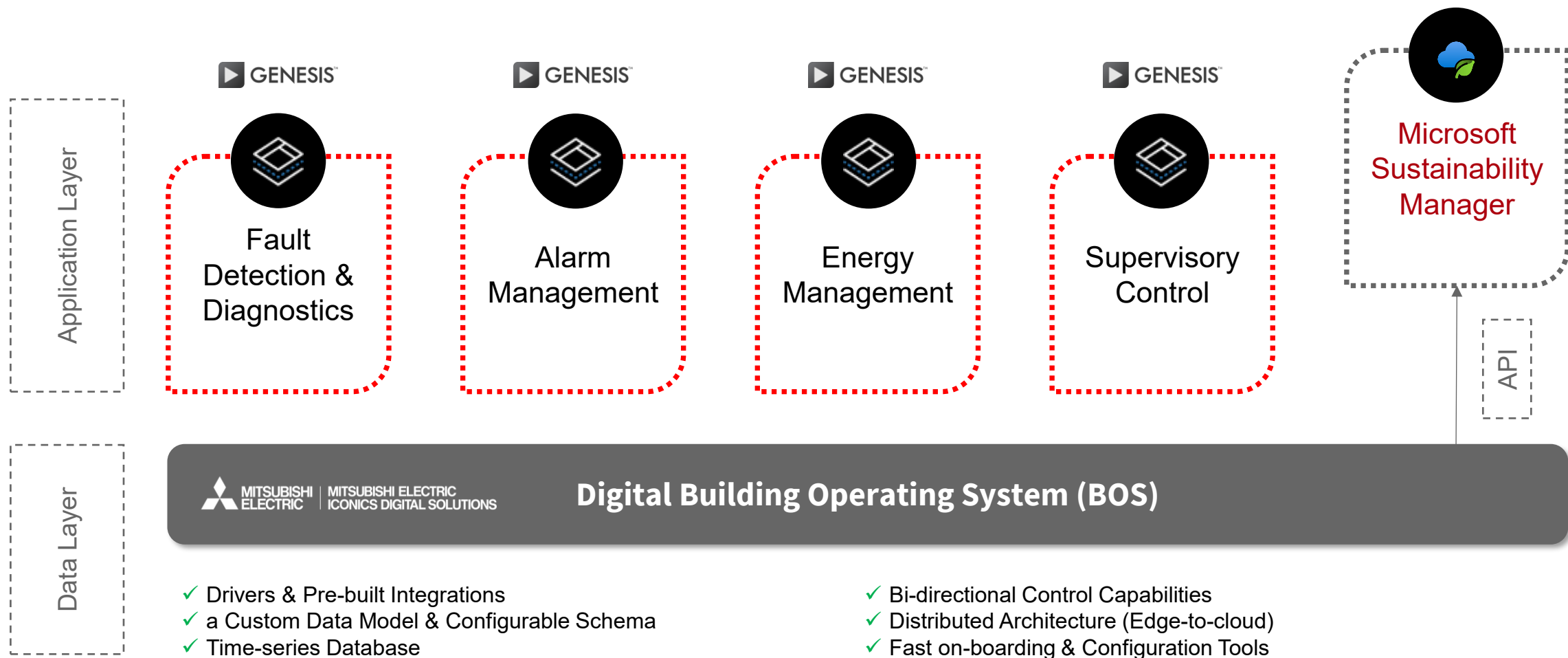
Building Performance Solutions

GENESIS is an edge-to-cloud automation platform, that supports several building performance applications including energy management, fault detection and diagnostics (FDD), advanced alarm management, master BMS control, and carbon reporting via Microsoft Sustainability Manager (MSM).



Building Performance Solutions

Require a modern platform to address multiple needs...Operations, Maintenance, and Sustainability



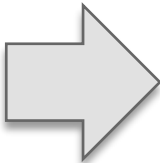
Considerations, Challenges, and Barriers



Fragmented Systems
HVAC, lighting, access control and fire safety sit on separate networks.



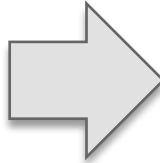
Static Operations
Energy is ~30-40% of operating expenses, yet buildings run to schedules set at commissioning - not to weather, occupancy or grid conditions



Occupant Expectations
Occupants expect better climate, air quality and responsiveness - and a building experience that matches the technology they use everywhere else



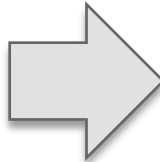
Reactive Maintenance
Current maintenance practices lead to costly emergency repairs.



ESG and Compliance
Certification and disclosure now demand measured operational data - not design intent or once-a-year reporting exercises



Multi-Site Complexity
The diversity of building types, technologies, and operations and maintenance practices makes portfolio-wide standardization difficult



Typical ROI Criteria & Business Outcomes



Energy Savings (Hard \$)
Rule-based fault detection delivers 5-15% reduction in utility spend.



Labor Efficiency (Soft \$)
Facilities staff spend significant time diagnosing comfort complaints; FDD cuts that roughly in half.



MRO Optimization & Asset Reliability
Catching stuck valves and dampers early extends asset life, lowers repair costs, and supports an evolution from time-based maintenance practices



280,000 ft²

INITIAL FLAGSHIP SITE

30

ADDITIONAL BUILDINGS

39,000

USERS, GLOBALLY SYNCED

125,000+

MONTHLY BOOKINGS

PROJECT OVERVIEW

Deloitte has scaled its initial BOS implementation in London to a global program, currently deployed in 30 buildings and over 10,000 spaces. The BOS platform serves as an integration layer, unifying Operational Technology, IT systems, and IoT sensors.

Beyond day-to-day booking, Deloitte leverages advanced booking policies and catering management across all client meeting spaces, ensuring seamless hospitality and efficient use of high-value space.

CONNECTED SYSTEMS

- ✓ Multiple building management systems
- ✓ IoT sensors for occupancy and environmental monitoring
- ✓ Unified meeting room and desk booking apps
- ✓ Advanced booking policies and catering management for client meeting spaces
- ✓ User wayfinding and digital signage for intuitive navigation
- ✓ Space utilization optimization to support hybrid work policies

SUMMARY

“ The most integrated and useable commercial office building in London. To leverage analytics, common user interfaces and built-in continual improvement to deliver leading efficiency throughout the life of the building.

Neal Burgess | IB Programme Manager, Deloitte

1. Initial Landing Page > Dashboard

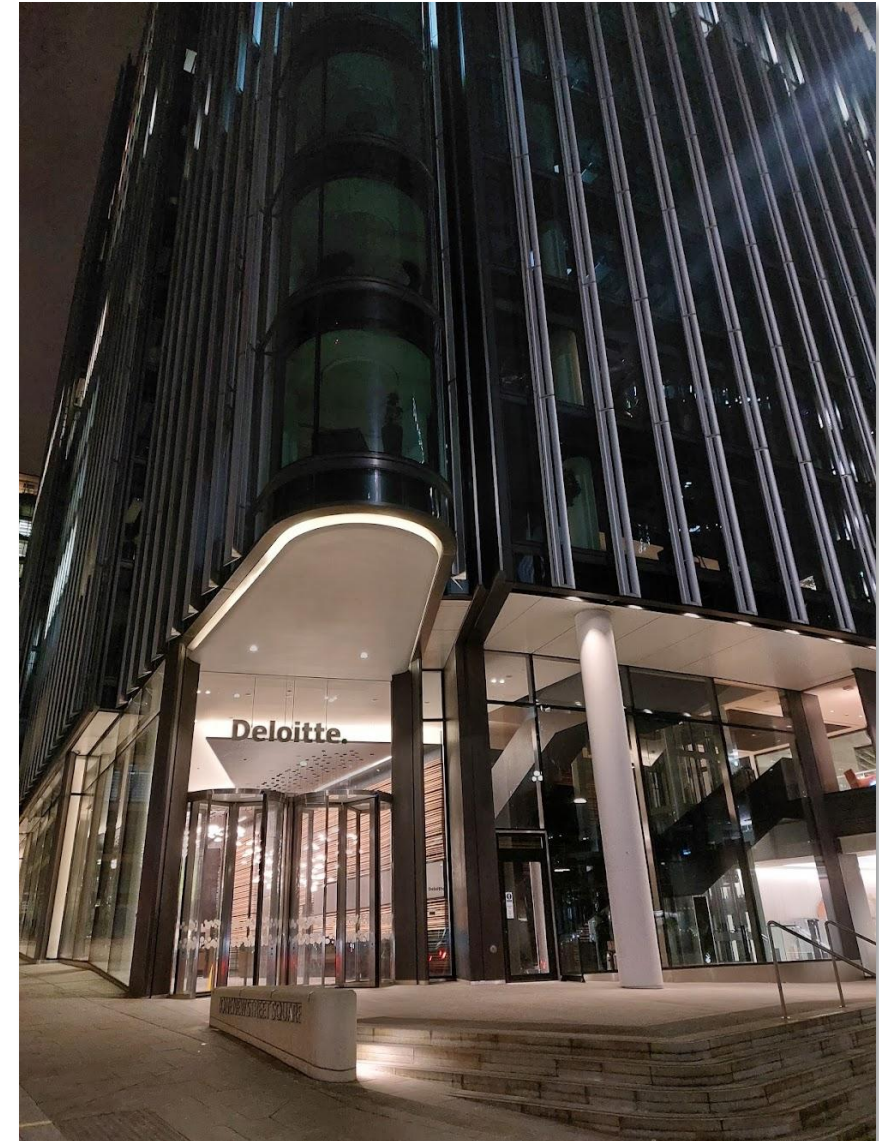
- Real-time Status
- Aggregate Performance

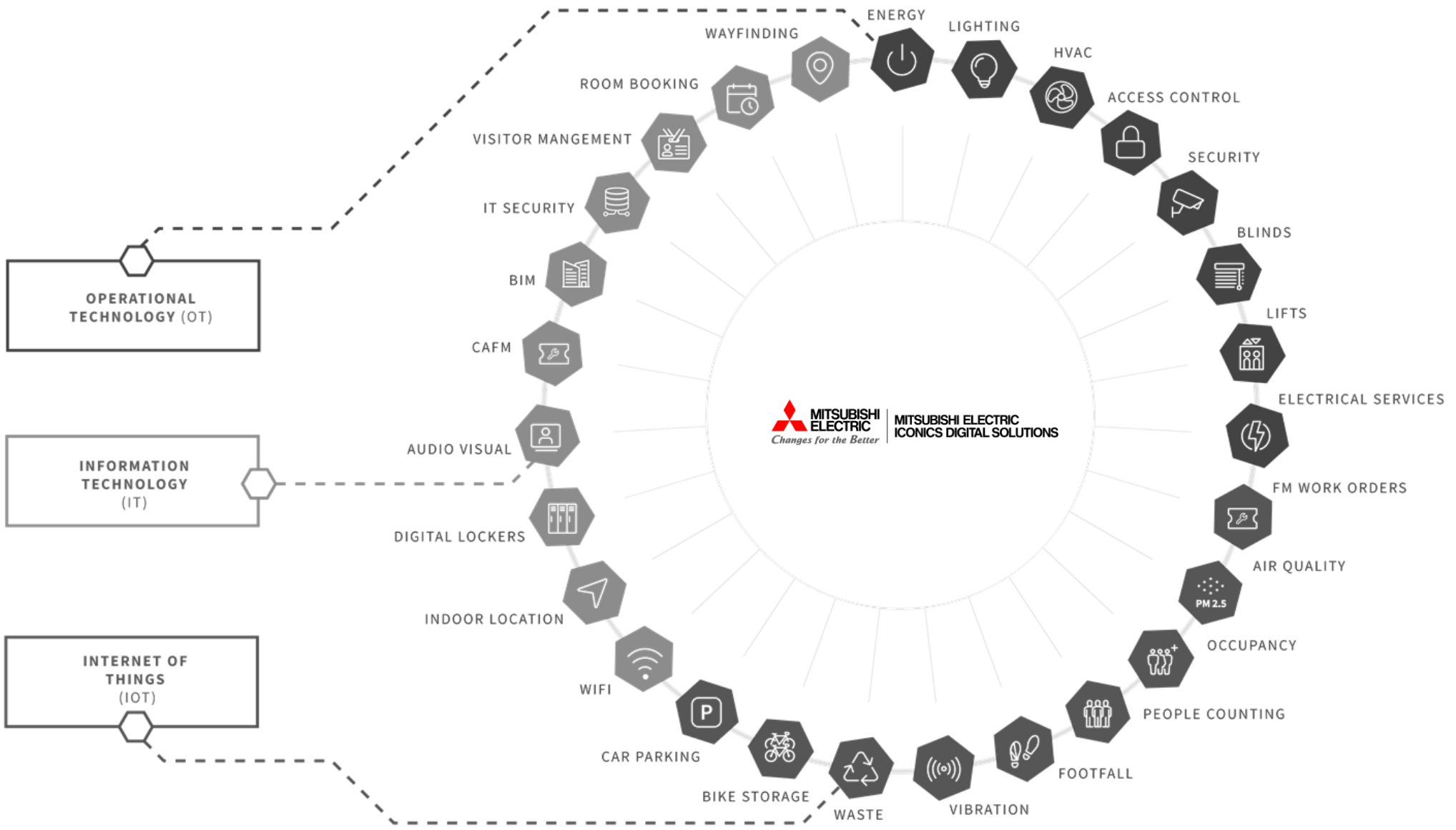
2. Floor & Subsystem Layered View (Floor 3)

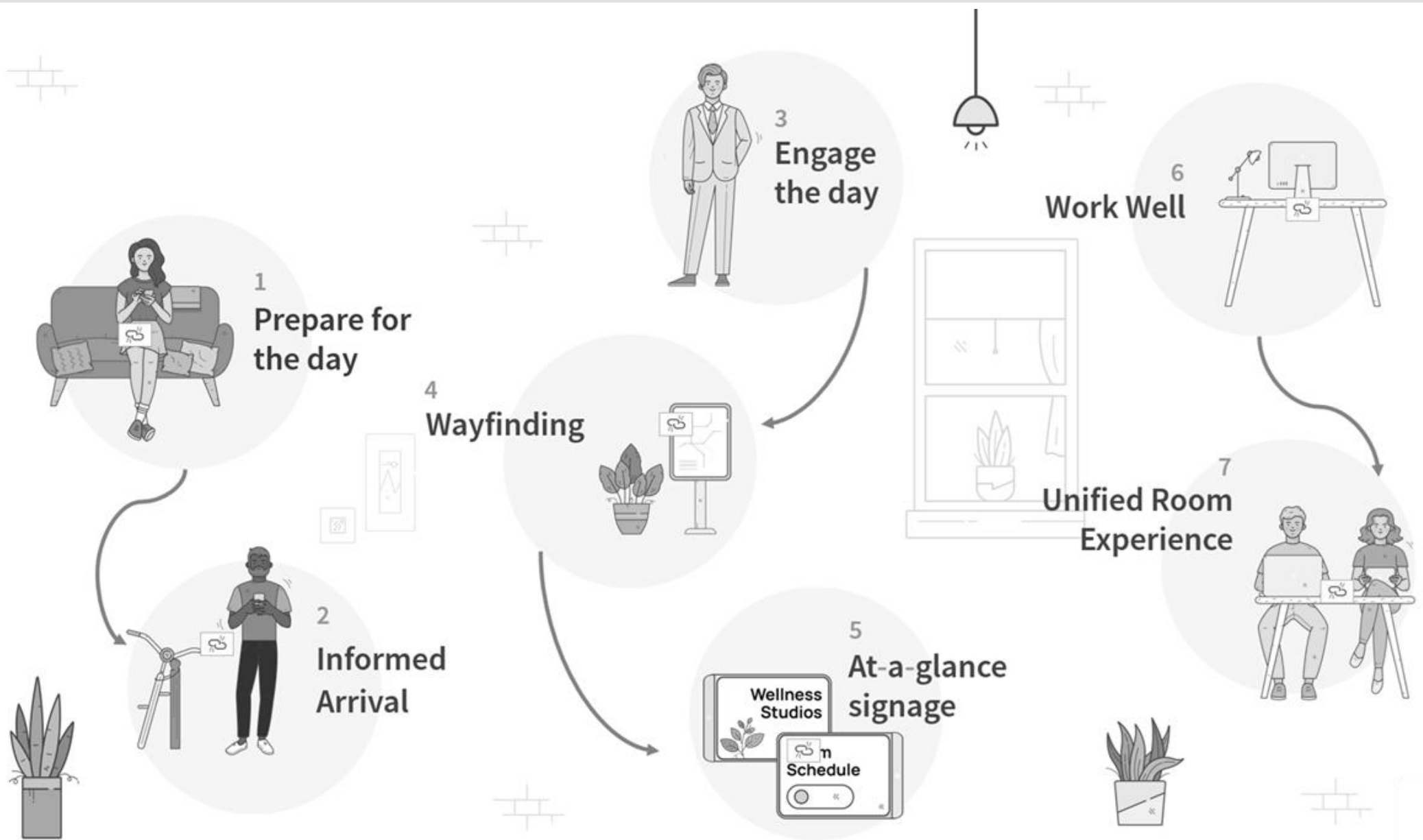
- WiFi Location Tracking
- IoT Sensors: Environmentals and Occupancy
- Systems Status: HVAC, Fire, AV Equipment
- Room Booking

3. Analysis

- Soft FM Tasks
- Workspace Utilization
- Energy Consumption



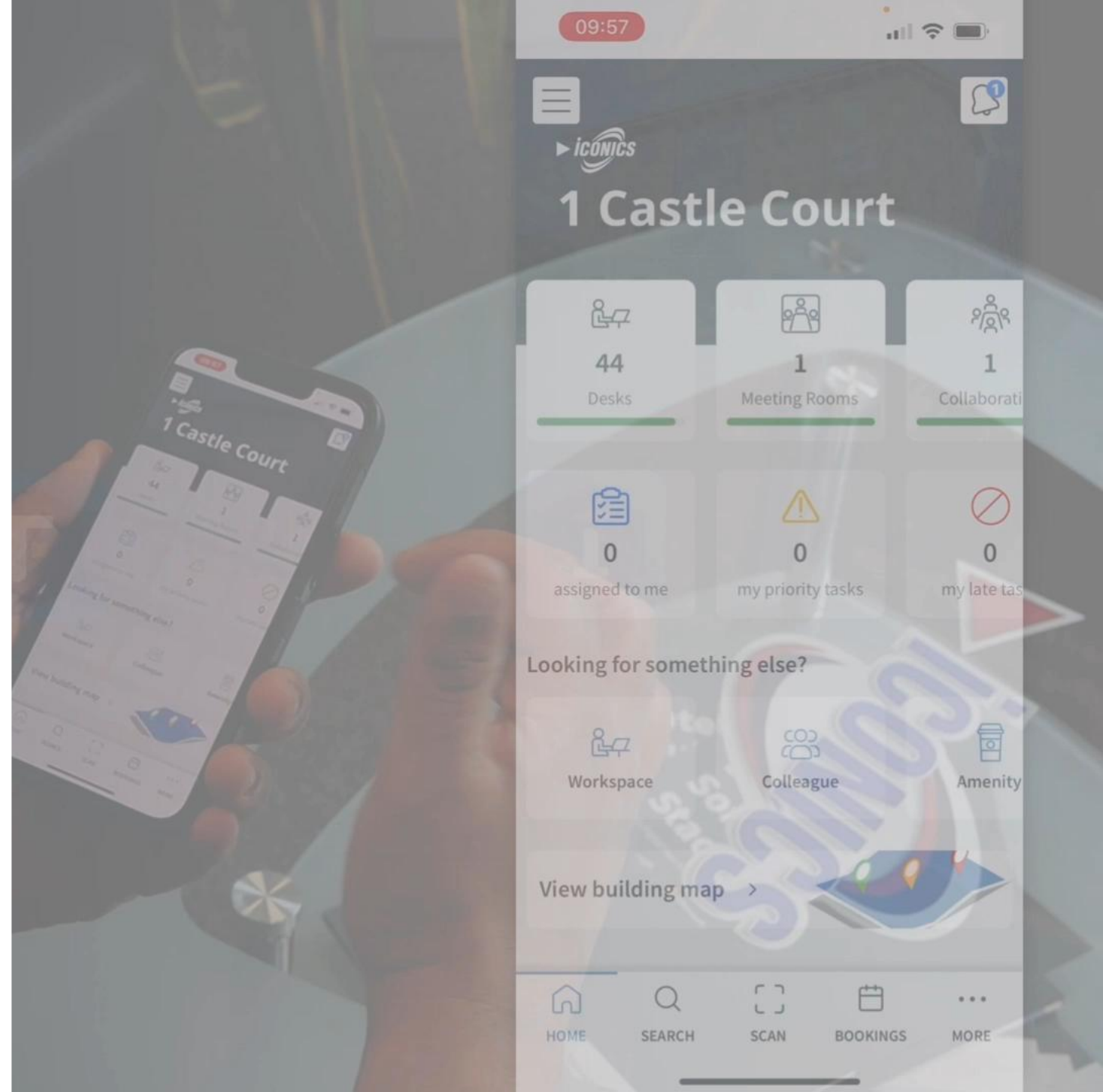






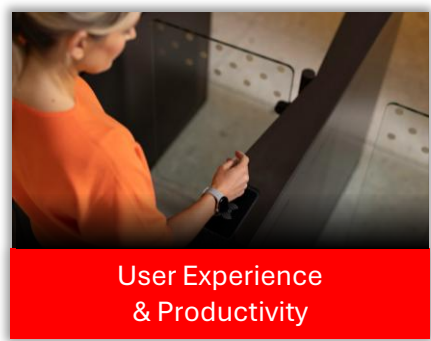
Roamer™

Workplace Productivity
and Experience
Mobile App

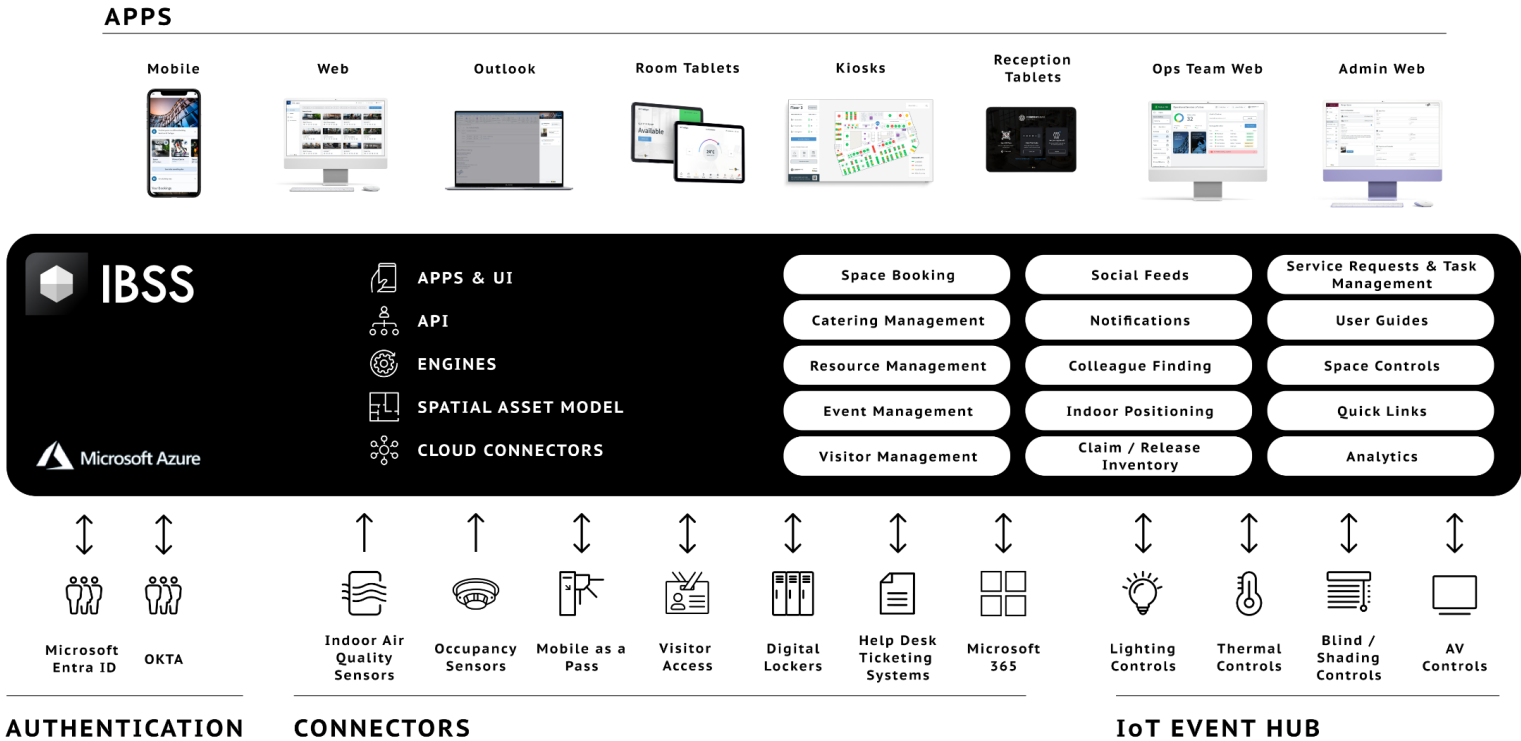




Outcome User Centric Focus



Off the Shelf SaaS



Pillars of Purpose.

Connected Intelligence

MEIDS prioritize secure, open, and interoperable data connectivity. Our highly configurable COTS software enables seamless edge-to-cloud integration, eliminating redundant solutions across your tech stack. Our platform supports:

- ✓ Cloud Connectors
- ✓ Open Protocol Integrations
- ✓ Custom Data Models & Configurable Schemas
- ✓ Time-series Database
- ✓ Bi-directional Control
- ✓ Distributed Architecture (Edge-to-cloud)
- ✓ Rapid Onboarding & Configuration Tools

People-centric Buildings

MEIDS is committed to creating environments that truly prioritize people. Our intuitive workplace management and tenant experience tools empower landlords and tenants alike, crafting spaces that enhance occupant well-being and satisfaction.

High-Performing Operations

Our state-of-the-art building performance solutions are designed with control engineers, maintenance professionals, and property managers in mind. From energy management to fault detection diagnostics (FDD), our applications drive operational efficiency and provide comprehensive reporting.

3

What's New?

GENESIS Version 11 Updates

Prior Version

v10.98 Available for Existing Customers

GENESIS64™

- Mature platform with extensive capabilities and features providing visualization, data historian, analytics, mobile HMI, and edge-to-cloud connectivity
- Security enhancement with ability to update long term
- Improved device connections with Mitsubishi Electric Factory Automation
- Introducing long term support with version v10.98

[v10.98 Press Release](#)

New Version

v11.0x Available Today

GENESIS

The industry leading data centric feature packed, scalable and secure platform for your Digital Transformation, SCADA, HMI, Data Orchestration and Reporting projects!

- User Interface
- User Experience
- Supportability
- Connectivity & Templates
- Platform Enhancements

Migration considerations for existing customers?

- Redesign: “Secure by Design” = Deprecated Features
- New Licensing Model = Nodes vs. Tags | Clients

What's New in v11?

A GENESIS System = Base Node + Expansion Node(s) + Optional Features

HOW A GENESIS SYSTEM IS DEFINED

BASE NODE

One GENESIS license, any edition

+

EXPANSION NODE(S)

Added to Unlimited editions

+

OPTIONAL FEATURES

Added per the price sheet

Edition

A single GENESIS license priced by tag count or unlimited tags, with included options per the price sheet. Additional options can be added.

Base Node

A single GENESIS license of any edition — the starting point of every deployment.

Node

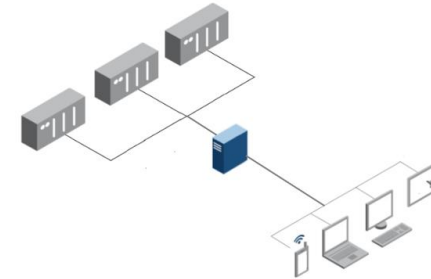
An expansion node added to a base node. Available on Unlimited editions only.

System

Two or more nodes (base + expansion) combined for load distribution, client scaling, or redundancy.

ONE PLATFORM — ANY SCALE

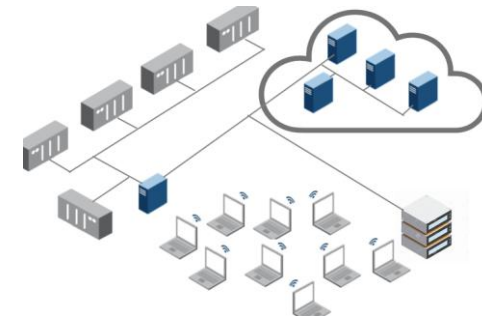
SMALL · SIMPLE SCADA



Single base node, one site

SCALES UP

LARGE · MULTI-SITE & CLOUD HYBRID

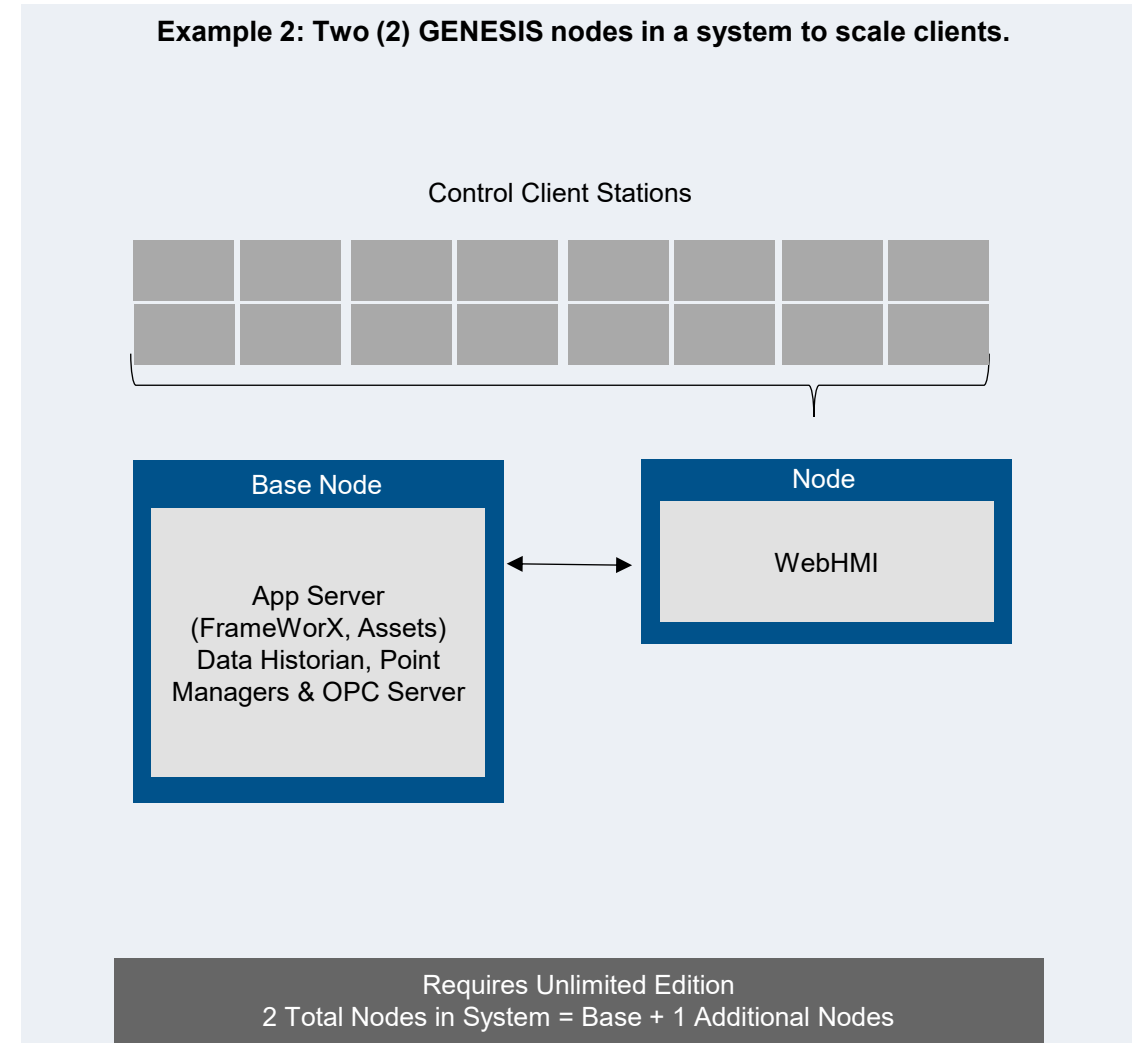
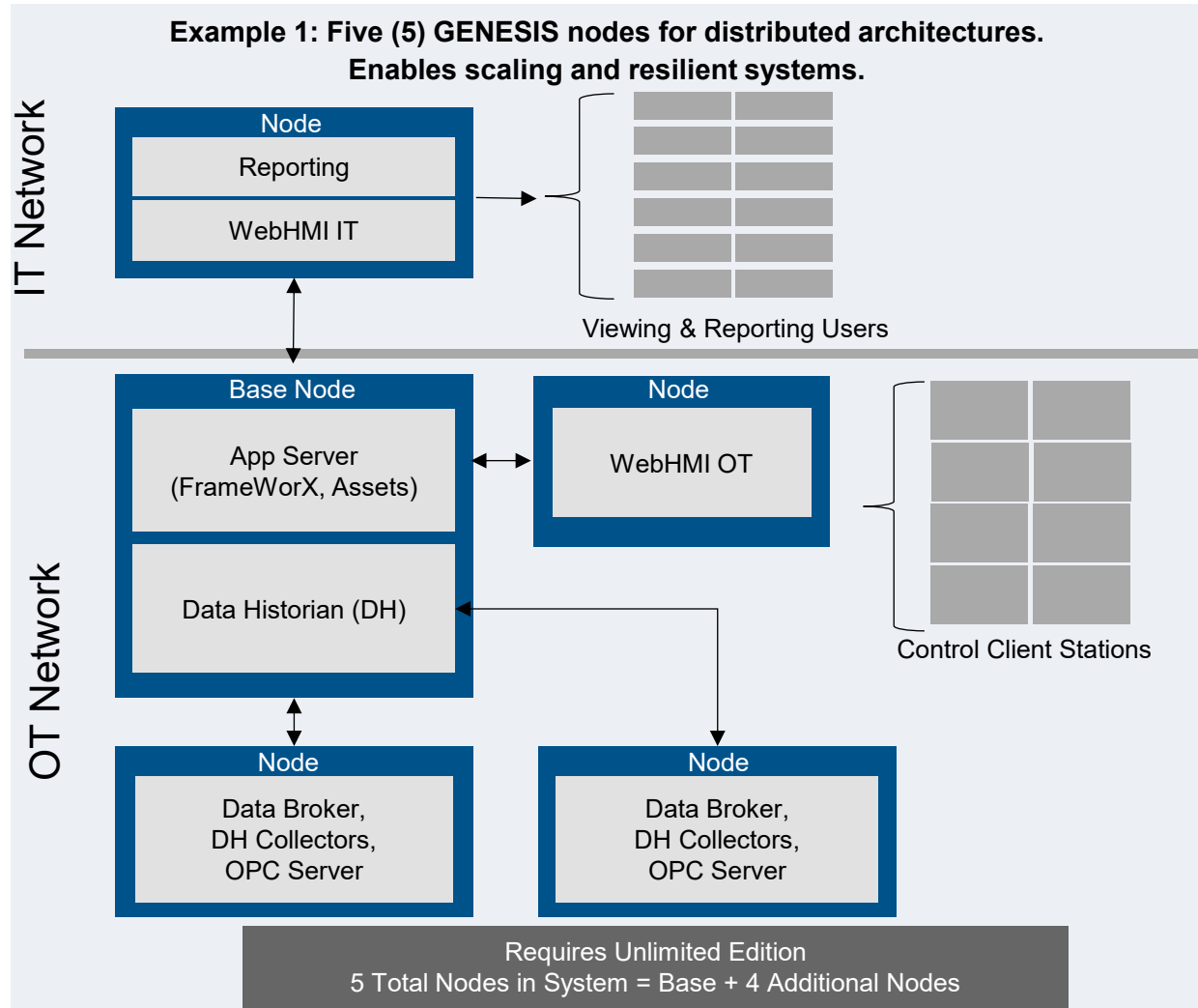


Base node + expansion nodes, distributed & redundant

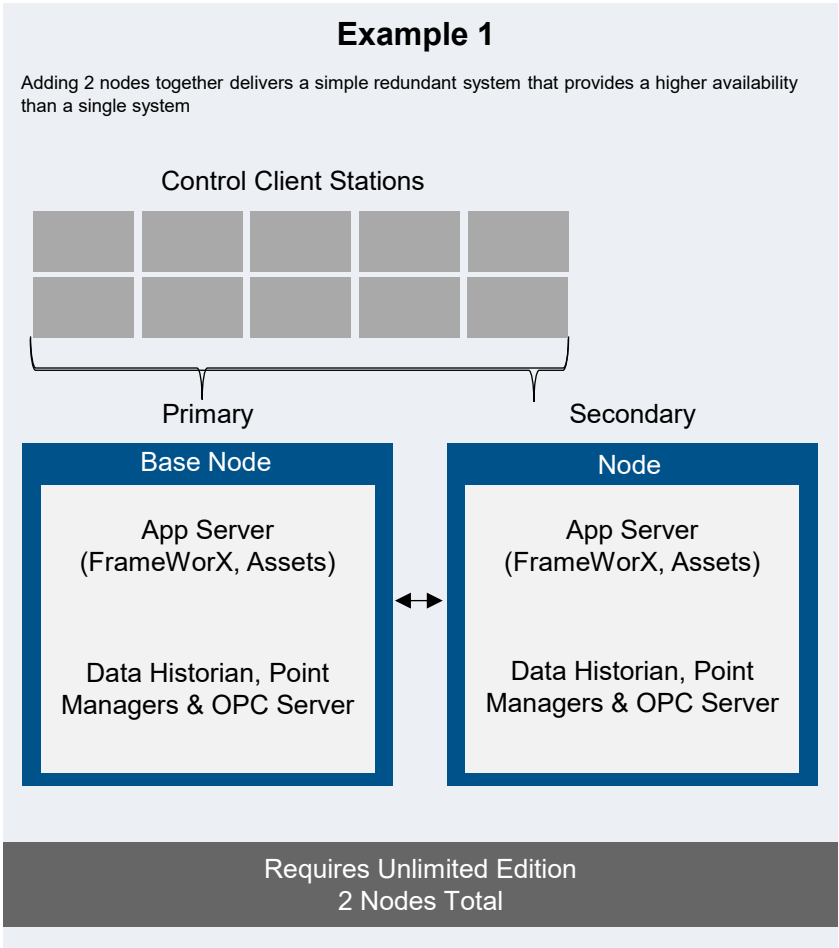
What's New in v11?

Multi-Node GENESIS System Examples

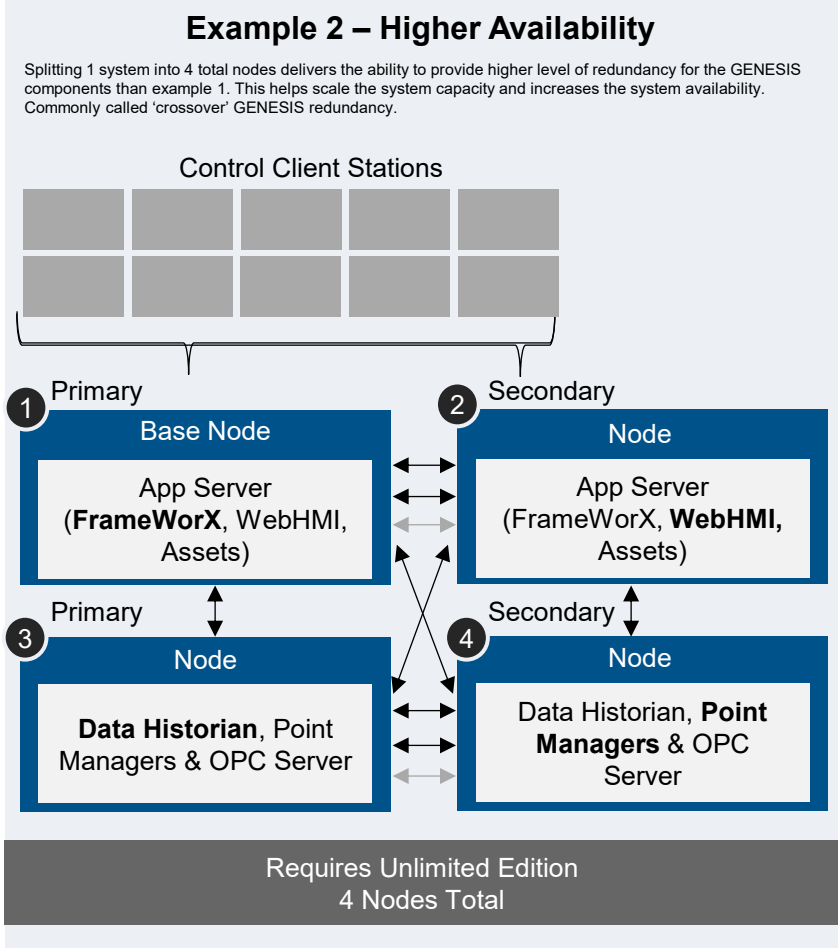
Some projects require distributed control points and/or scaled GENESIS services. The GENESIS platform does this seamlessly through an encrypted, secure and highly performant GENESIS-to-GENESIS node connection(s).



Customers can choose different levels of GENESIS redundancy ([online help](#)) for a highly available system. All unlimited editions support redundancy, with higher editions offering even more system availability.

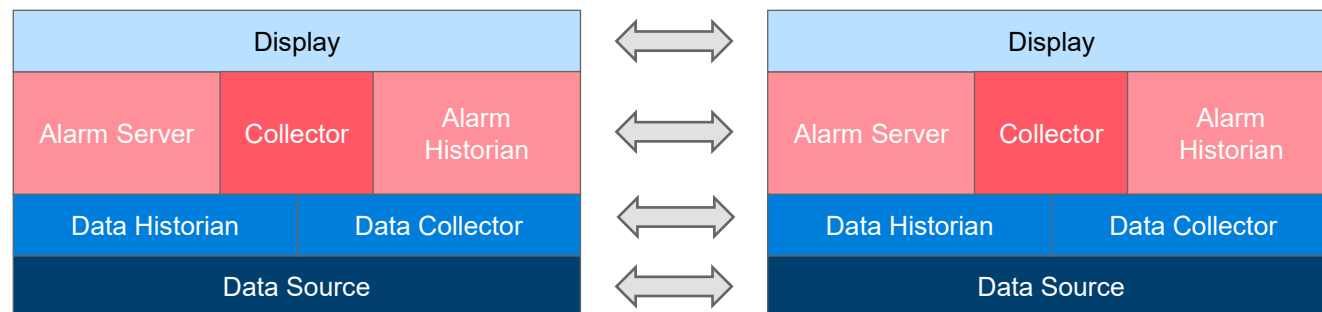


1 cluster
1 app servers combined with data historian
If anything on primary node goes down, the entire system fails over to secondary node.



2 clusters
2 app servers, 2 data historians and services
If any part of the primary nodes fails, the system will switch to a backup. If individual services fail, the system will find the best node to run those services and switch them over.

Unified Redundancy Failure Scenarios

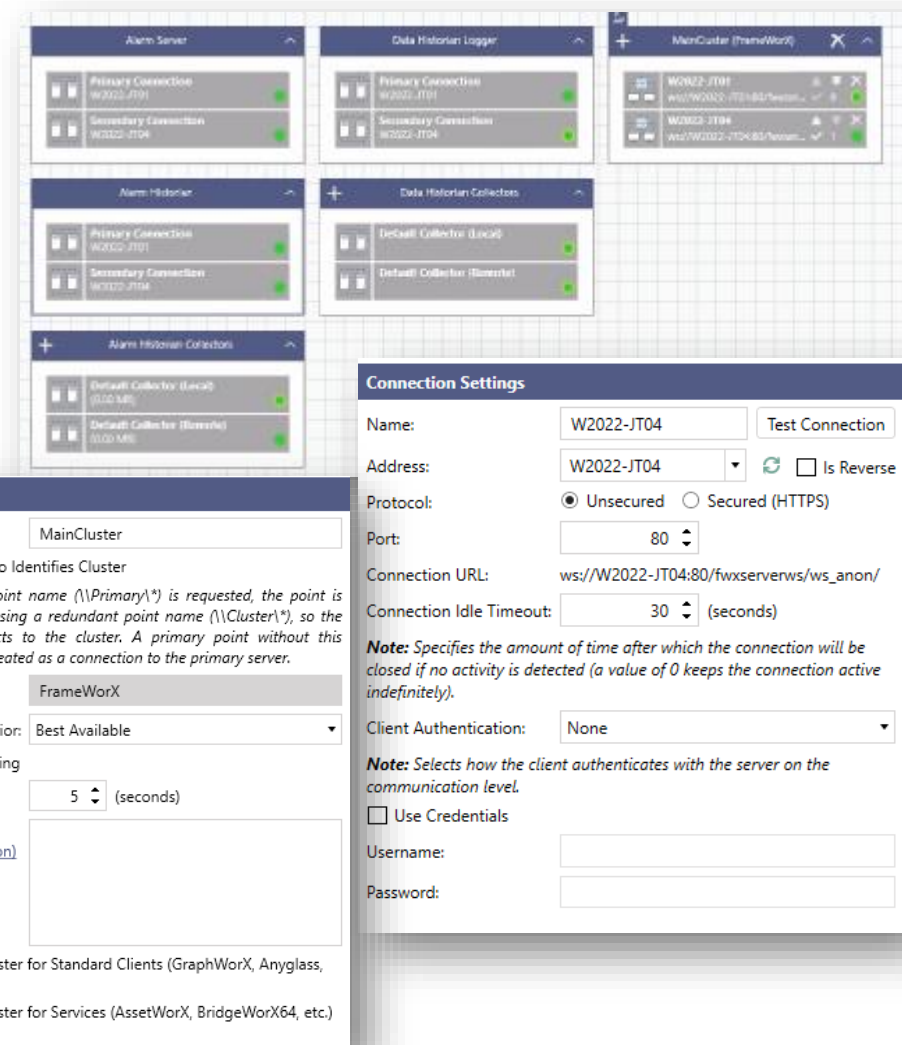


- **Client failure**
 - AnyGlass, WebAPI, GraphWorX64, Workbench*
- **FrameWorX failure**
 - Users are remembered after the failure (security context synchronization)
- **Point Manager failure** (can be combined with FrameWorX)
- **Data Historian failure**
- **Alarm Server failure**
- **Alarm Historian failure**
- **Alarm Historian Collectors failure**

Additional Considerations:

- **SQL Server** – Always On availability group
- **Network Load-balancers** – such as HAProxy, Nginx, Windows NLB

* AnyGlass redundancy does require load balancer to be present in the architecture.



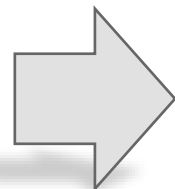
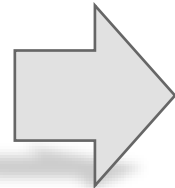
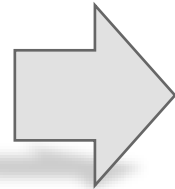
Old Method

GENESIS64 Licensing Model

- GENESIS64 Tags
- GENESIS64 Clients
- Assets
- Historian Tags
- Other Features:
- BridgeWorX, ReportWorX, CFSWorX, etc.

Support and Sustainment

- Tiered support plans and entitlement
- Barriers to enabling a dev/test sandbox

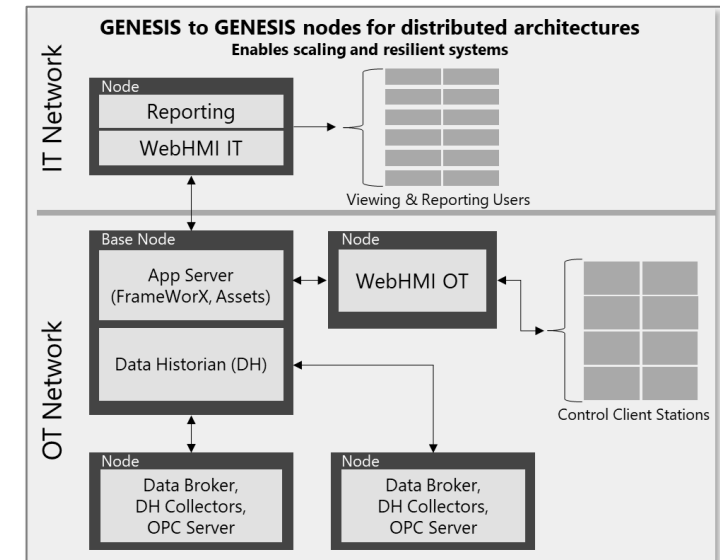


New Method

GENESIS Version 11

A system is a combination of nodes to achieve architectures for larger deployments for load distribution, clients or redundancy.

- Base Node
- Extra Node(s)
- Option Pack(s)



Revised Premier SupportWorX with Version 11	
Community Portal Access	✓ knowledgebase and technical references
Self-Paced Online Portals	✓ tutorials and education
Product & License Online Portals	✓ product downloads and licensing management
Synchronized Renewals	✓ For customers with multiple systems who prefer coordinated agreement renewals for budgetary planning and procurement simplification
Phone (24x7) & Email Support	✓ “follow the sun” global coverage
Version 11 Software Updates	✓ critical fix, maintenance, and new releases
Development System (“Sandbox”)	✓ a complete set of duplicate licensing for development and testing

1. Obsolete Features – Upgrading v10 to v11

- Publicly Available [Version 11 Release Notes](#)

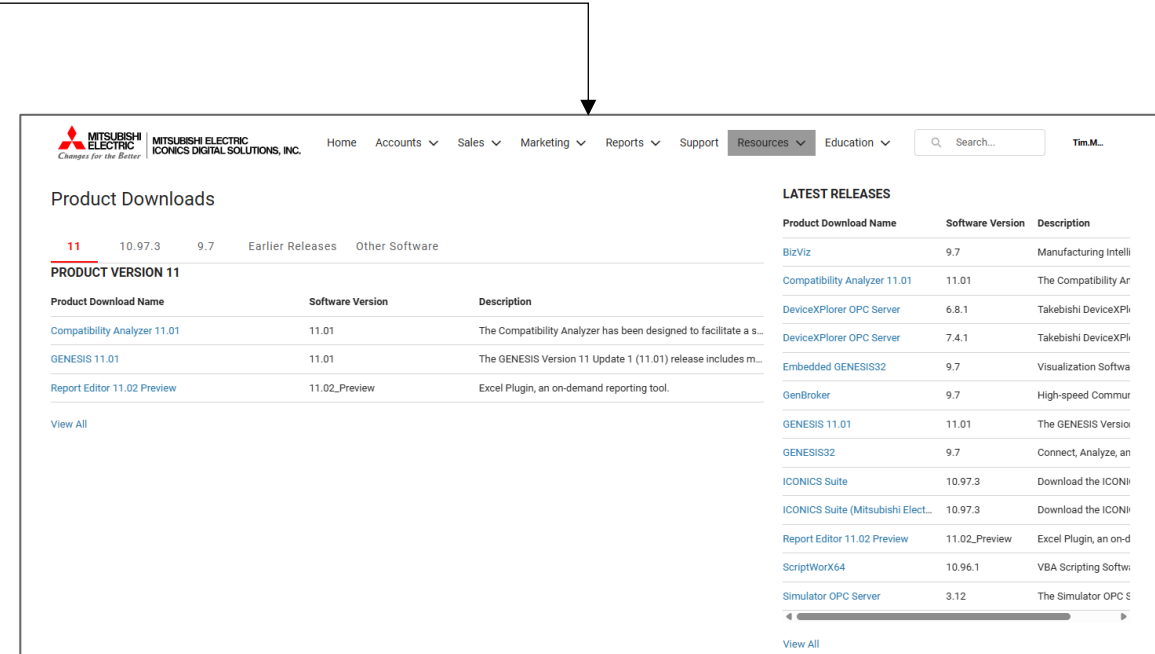
2. Compatibility Tool

What is it? Where do you get it?

- Documentation found in [Version 11 Online Help](#)
- Download from the [Community Portal](#)

3. AlarmWorX64 Migration Instructions

- Publicly Available [Version 11 Online Help](#)



■ GENESIS v11 Fundamentals Learning Journey

- 9 required modules, approx. 50 hours
- Accessible today: <https://meids.learnupon.com/>

■ Specialized Courses

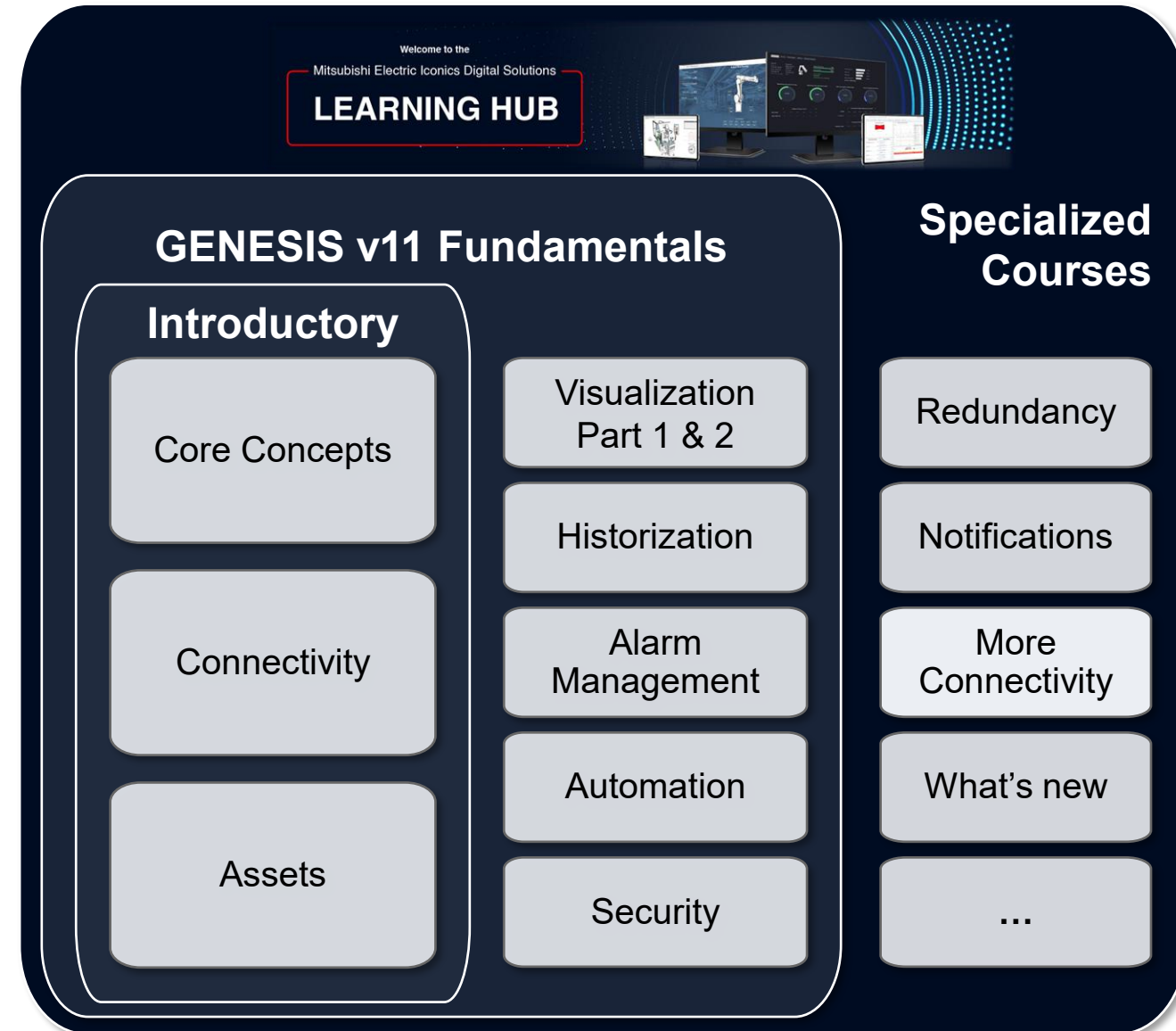
- Self-enroll at any time from the catalog
- Redundancy
- Notifications
- Modbus / REST / IoT / BACnet Connectivity
- V10 to V11 Conversion
- and What's New in GENESIS V11

■ Recognition and Community

- Gamified learning badges
- Completion certificates for each learning journey
- Moderated FAQ forum
- Additional languages, starting with Japanese, are on the roadmap

■ Prerequisites

- Working knowledge of basic HMI/SCADA development including data logging, plus familiarity with PLC-based data acquisition



Content type

Category

Enrollment status

Live sessions

Difficulty level

Less filters

Sort: Release date (Newest first)

Certificate available

4

What's Ahead!

GENESIS Roadmap

SAFE HARBOR STATEMENT

Our forward-looking statement.

This document, file, presentation, or website may contain forward-looking statements that involve risks, uncertainties, and assumptions. All statements other than statements of historical fact could be deemed forward-looking statements. Statements regarding strategies or plans for future operations; statements concerning new features, enhancements, or upgrades to our existing applications or plans for future applications; statements relating to the expected performance or benefits of our offerings; statements about current or future economic conditions; and any other statements of expectation or belief.

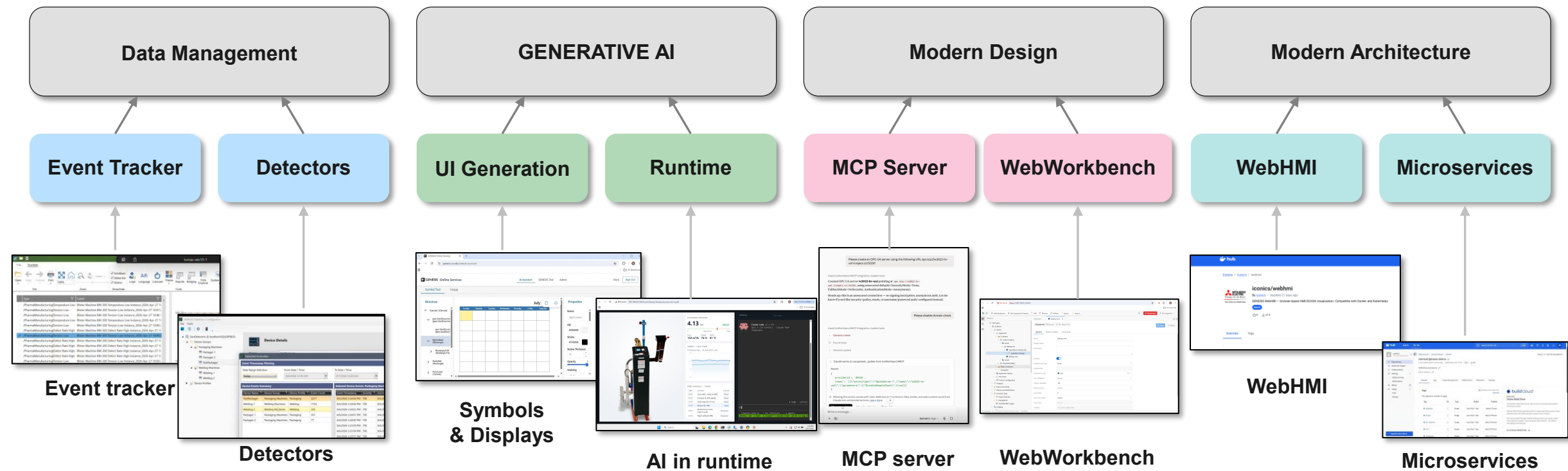
Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks, and changes in circumstances that are difficult to predict and many of which are outside of our control.

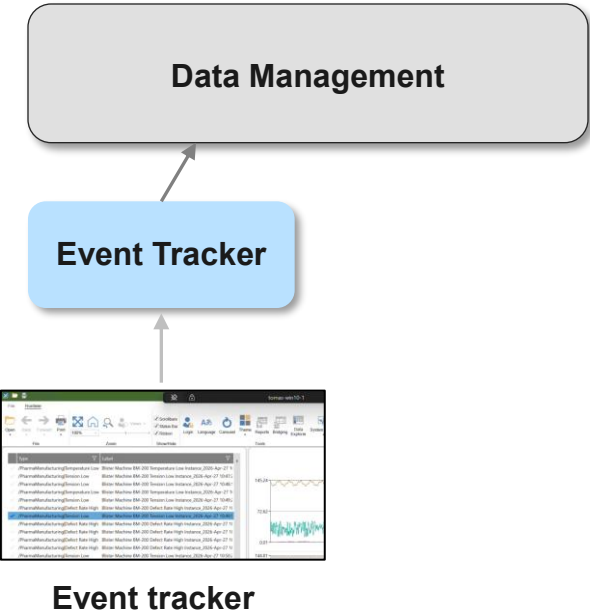
The risks and uncertainties referred to above include, but are not limited to, competition, management of growth, development of the market for industrial software, market acceptance of our applications, breaches of our security measures, compliance with global laws and regulations, risks associated with maintaining a global business and global economic conditions, fluctuations in our operating results, interruptions or delays in the provision of our services, and risks associated with selling globally, through our regions and to larger enterprise customers. Mitsubishi Electric Iconics Digital Solutions assumes no obligation for, and does not intend to update, any forward-looking statements.

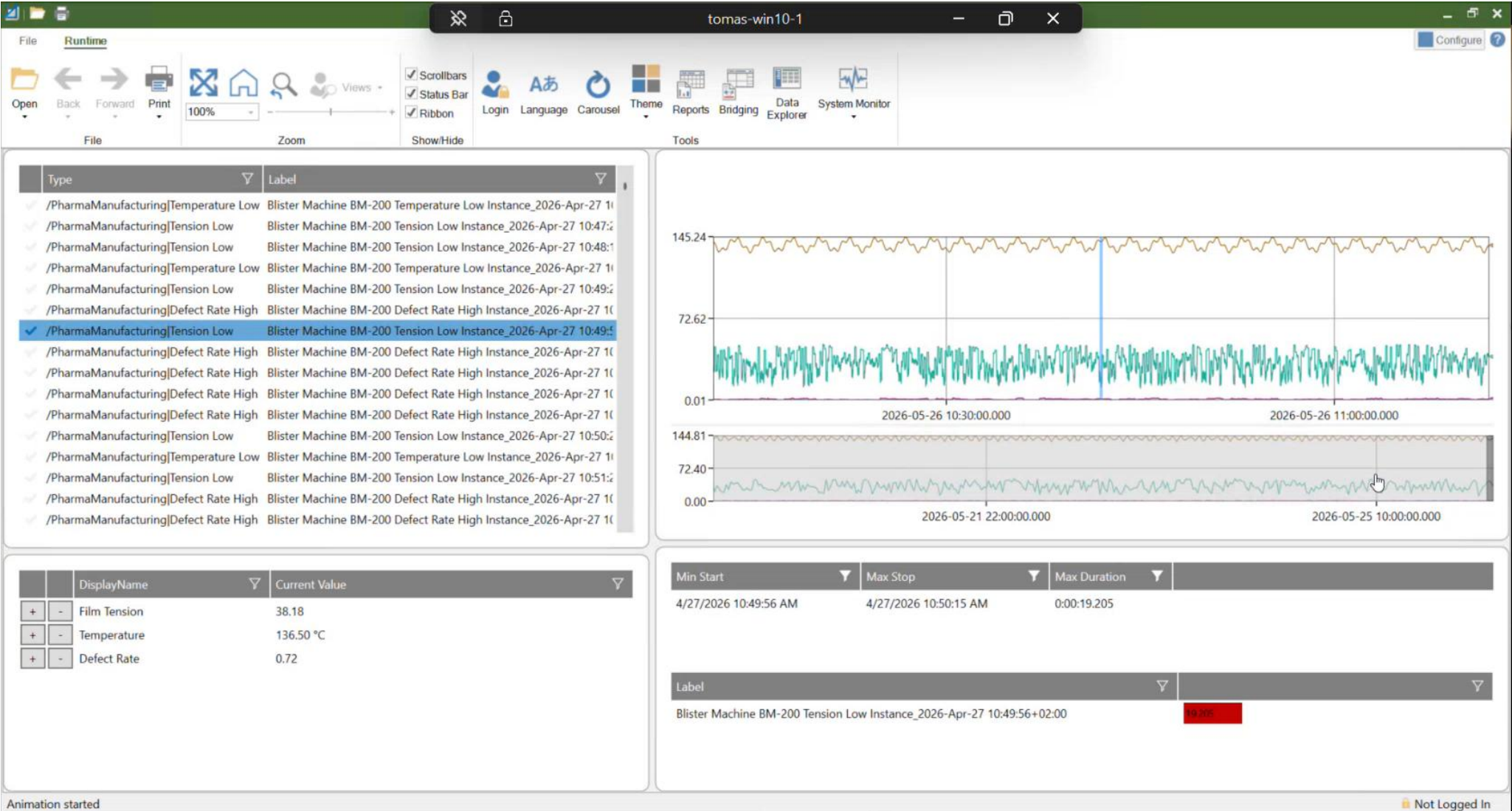
Any unreleased services, features, functionality, or enhancements referenced in a Mitsubishi Electric Iconics Digital Solutions document, roadmap, blog, website, press release, or public statement that are not currently available are subject to change at Mitsubishi Electric Iconics Digital Solutions discretion and may not be delivered as planned or at all. Customers who purchase our applications should make their purchase decisions based upon features and functions that are currently available.

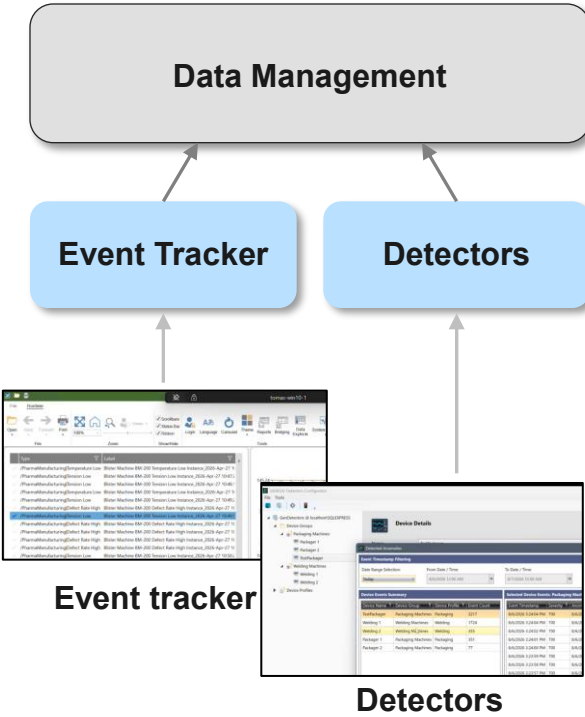
What's Driving the GENESIS Roadmap?

Four Platform Pillars









GENESIS Detectors Configurator

File Tools

GenDetectors @ localhost\SQLEXPRESS

Device Groups

- Packaging Machines
 - Packager 1
 - Packager 2
 - TestPackager
- Welding Machines
 - Welding 1
 - Welding 2

Device Details

Detected Anomalies

Event Timestamp Filtering

Date Range Selection: Today

From Date / Time: 8/6/2026 12:00 AM

To Date / Time: 8/7/2026 12:00 AM

Refresh Device Events Summary

Device Events Summary

Device Name	Device Group	Device Profile	Event Count
TestPackager	Packaging Machines	Packaging	3217
Welding 1	Welding Machines	Welding	1724
Welding 2	Welding Machines	Welding	355
Packager 1	Packaging Machines	Packaging	351
Packager 2	Packaging Machines	Packaging	77

Total Event Count: 5724

Selected Device Events: Packaging Machines\TestPackager

Event Timestamp	Severity	Anomaly Timestamp	Anomaly Value	MP Processing (ms)	MP Value	MP Ref Value	Verified Anomaly
8/6/2026 3:24:04 PM	700	8/6/2026 3:24:03 PM	0.23754182862048	0.0859	251.41459858869288	126.24369465442624	✗
8/6/2026 3:24:04 PM	700	8/6/2026 3:24:02 PM	3.058973462530601	0.11	254.55488995939177	126.24369465442624	✗
8/6/2026 3:24:02 PM	700	8/6/2026 3:24:01 PM	8.894767742016723	0.091	258.632855390015	126.24369465442624	✗
8/6/2026 3:24:01 PM	700	8/6/2026 3:24:00 PM	17.370173589376968	0.1136	261.2199376557611	126.24369465442624	✗
8/6/2026 3:24:00 PM	700	8/6/2026 3:23:59 PM	27.929784803969483	0.0721	260.9673386884481	126.24369465442624	✗
8/6/2026 3:23:59 PM	700	8/6/2026 3:23:58 PM	39.879111894094976	0.0907	260.17823264964466	126.24369465442624	✗
8/6/2026 3:23:58 PM	700	8/6/2026 3:23:57 PM	52.48709008187906	0.0872	255.04317172513896	126.24369465442624	✗
8/6/2026 3:23:57 PM	700	8/6/2026 3:23:56 PM	64.983995590942	0.087	248.07089771874138	126.24369465442624	✗
8/6/2026 3:23:56 PM	700	8/6/2026 3:23:55 PM	76.51489573838268	0.0908	241.546358257472	126.24369465442624	✗
8/6/2026 3:23:55 PM	700	8/6/2026 3:23:54 PM	86.31047116012216	0.239	234.2713061549185	126.24369465442624	✗
8/6/2026 3:23:54 PM	700	8/6/2026 3:23:53 PM	93.79107259320958	0.1773	223.42517358490144	126.24369465442624	✗
8/6/2026 3:23:53 PM	700	8/6/2026 3:23:52 PM	98.44787196585496	0.2627	213.86047666157555	126.24369465442624	✗

Page 1 of 13

Selected Event ID: 20711

Detection Settings

Extreme MP Values removed on initial run: ✓

Pattern Size Window: 20

Sliding Size Window: 300

Initial Run Interval (min): 15

Normalized Data: ✗

Smoothed Detection: ✗

Anomaly Data

Device Data Point: svrsimsine double fast

Anomaly Timestamp: 2026-Aug-06 15:24:03.363

Anomalous Value: 0.23754182862048

Matrix Profile Value: 251.41459858869288

Matrix Profile Reference: 126.24369465442624

MP Value over Reference: 199%

Anomaly Threshold: 138.86806411986888 (110%)

Human Review

Selected Event Verification Status: Not Verified, could be False Positive

Confirm Selected Event as Anomaly

Confirm all Events for the selected Device in the Date Range as Anomalies

localhost\SQLEXPRESS

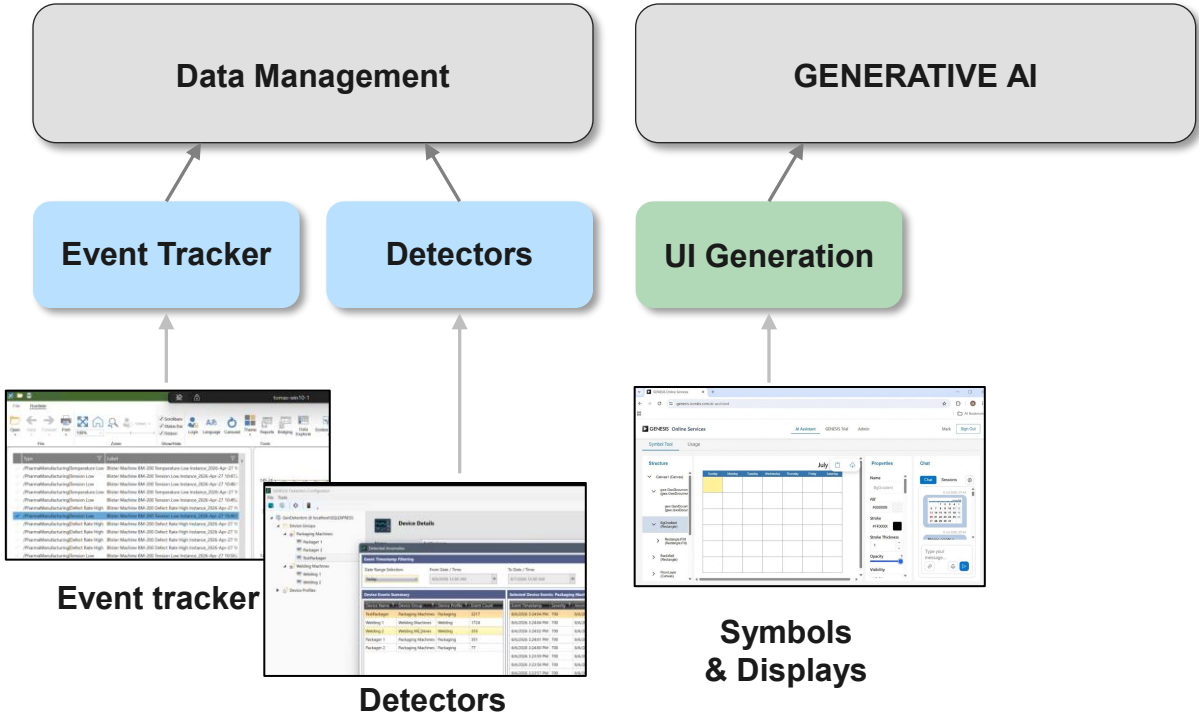
Connected to GenDetectors @ localhost\SQLEXPRESS

Apply

Reset

©Mitsubishi Electric Icons Digital Solutions, Inc.

37



GENESIS Online Services

genesis.iconics.com/ai-assistant

All Bookmarks

GENESIS Online Services

AI Assistant

GENESIS Trial

Admin

Mark

Sign Out

Symbol Tool

Usage

Structure

Canvas1 (Canvas)

gwx:GwxDocumen (gwx.GwxDocumer)

gwx:GwxDocum (gwx.GwxDocur)

BgGradient (Rectangle)

Rectangle.Fill1 (Rectangle.Fill)

BackWall (Rectangle)

FloorLayer (Canvas)

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

Properties

Name

BgGradient

Fill

#000000

Stroke

#FF0000

Stroke Thickness

1

Opacity

1

Visibility

Chat

Chat

Sessions

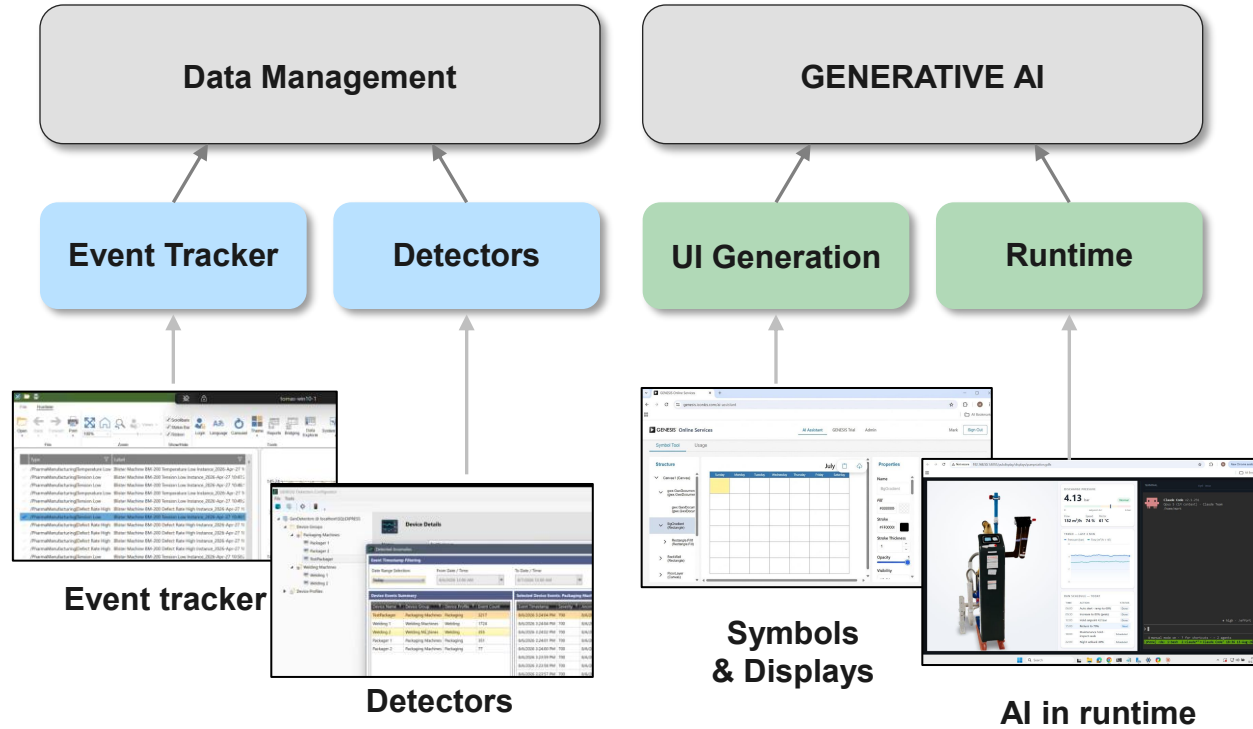
6 Jul 2026, 07:43

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31				

6 Jul 2026, 07:43

Please create a

Type your message...

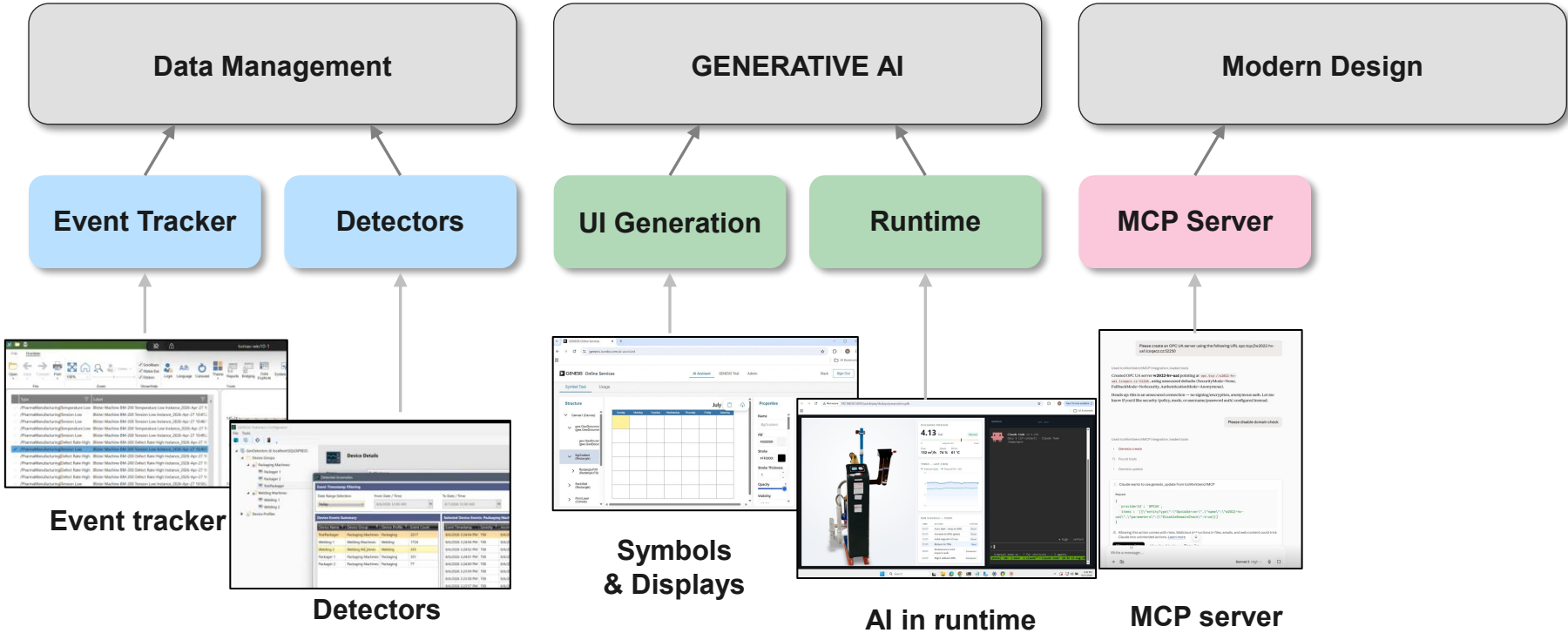


The screenshot displays a web browser window at the URL `192.168.50.1:8092/pubdisplay/displays/pumpstation.gdpx`. The interface is divided into three main sections:

- Left Panel:** A 3D CAD model of a pump station unit with various pipes and valves.
- Right Panel (Data & Trends):**
 - DISCHARGE PRESSURE:** Shows a current value of **4.13 bar** on a scale from 0 to 6 bar, with a setpoint of 4.2 bar. The status is "Normal". Below this, it shows **Flow: 132 m³/h**, **Speed: 74 %**, and **Motor: 61 °C**.
 - TREND — LAST 3 MIN:** A line graph showing the trend of Pressure (bar) and Flow (m³/h + 40) over the last three minutes.
 - RUN SCHEDULE — TODAY:** A table listing scheduled actions and their status.

TIME	ACTION	STATUS
06:00	Auto start · ramp to 60%	Done
09:30	Increase to 80% (peak)	Done
12:00	Hold setpoint 4.2 bar	Done
15:00	Reduce to 70%	Next
18:00	Maintenance hold · inspect seals	Scheduled
22:00	Night setback 40%	Scheduled
- Terminal Window:** A dark-themed terminal window titled "Claude Code v2.1.231" showing the user "Opus 5 (1M context) · Claude Team" at the path `/home/mark`. It displays a command prompt `> |` and a system message: `ll manual mode on · ? for shortcuts · ← 2 agents`. The bottom of the terminal shows a timestamped log entry: `[phone] <de- 1:bash 2:claude*" Claude Code" 18:36 13-Aug-26`.

The Windows taskbar at the bottom shows the system time as 2:36 PM on 8/13/2026.



Please create an OPC UA server using the following URL `opc.tcp://w2022-hv-ua1.icoqacz.cz:52250`

Used IcoWorkbenchMCP integration, loaded tools

Created OPC UA server **w2022-hv-ua1** pointing at `opc.tcp://w2022-hv-ua1.icoqacz.cz:52250`, using unsecured defaults (SecurityMode=None, FallbackMode=NoSecurity, AuthenticationMode=Anonymous).

Heads up: this is an unsecured connection — no signing/encryption, anonymous auth. Let me know if you'd like security (policy, mode, or username/password auth) configured instead.

Please disable domain check

Used IcoWorkbenchMCP integration, loaded tools

- Genesis create
- Found tools
- Genesis update

Claude wants to use `genesis_update` from IcoWorkbenchMCP

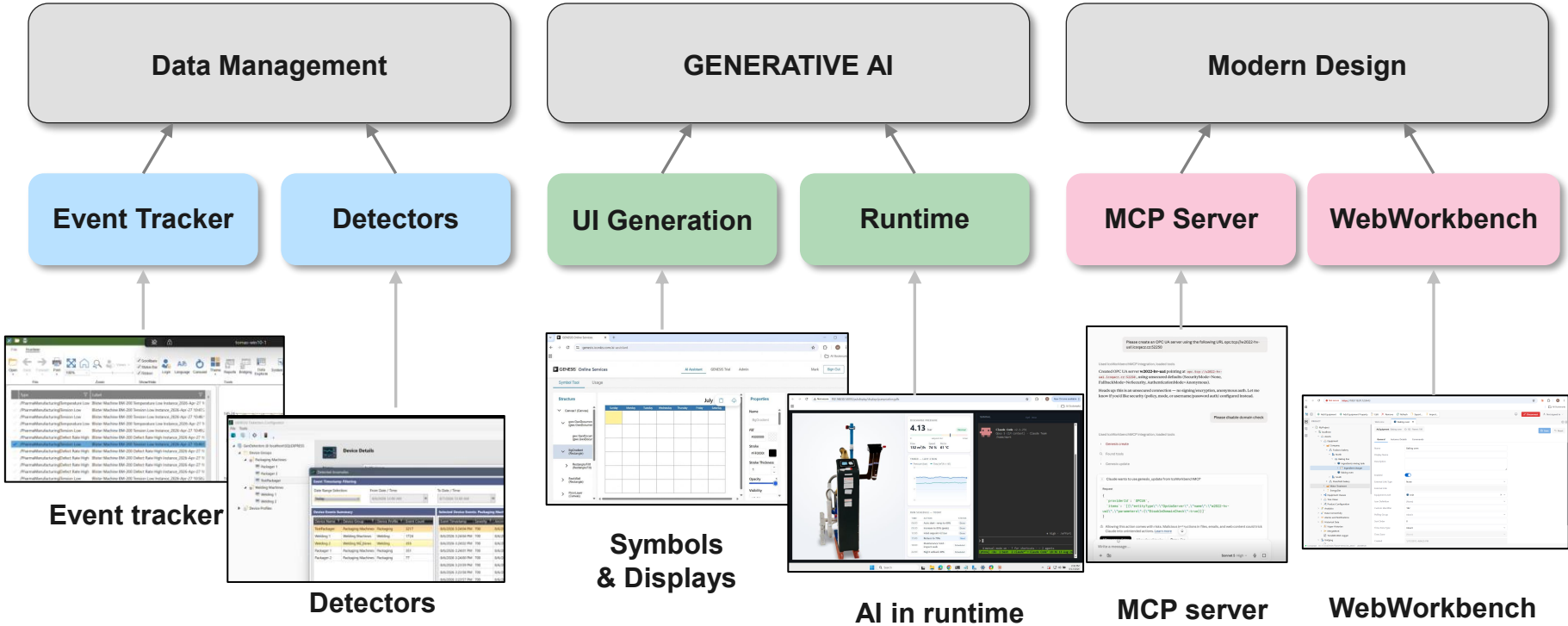
Request

```
{
  'providerId': 'OPCUA',
  'items': ' [{\"entityType\": \"OpcUaServer\", \"name\": \"w2022-hv-ua1\", \"parameters\": {\"DisableDomainCheck\": true}} ]'
```

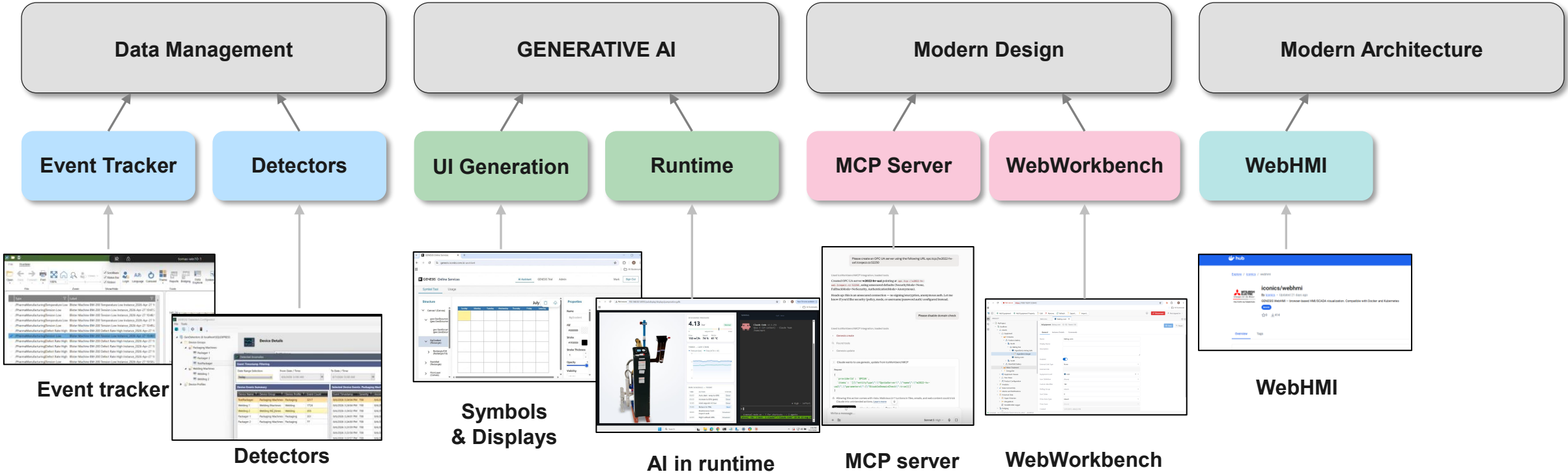
⚠️ Allowing this action comes with risks. Malicious instructions in files, emails, and web content could trick Claude into unintended actions. [Learn more](#)

Write a message...

Sonnet 5 High



CONFIDENTIAL



hub

Search Docker Hub

[Explore](#) / [iconics](#) / webhmi



**MITSUBISHI
ELECTRIC**
Changes for the Better
FACTORY AUTOMATION

iconics/webhmi

By [iconics](#) • Updated 21 days ago

GENESIS WebHMI – browser-based HMI/SCADA visualization. Compatible with Docker and Kubernetes

IMAGE

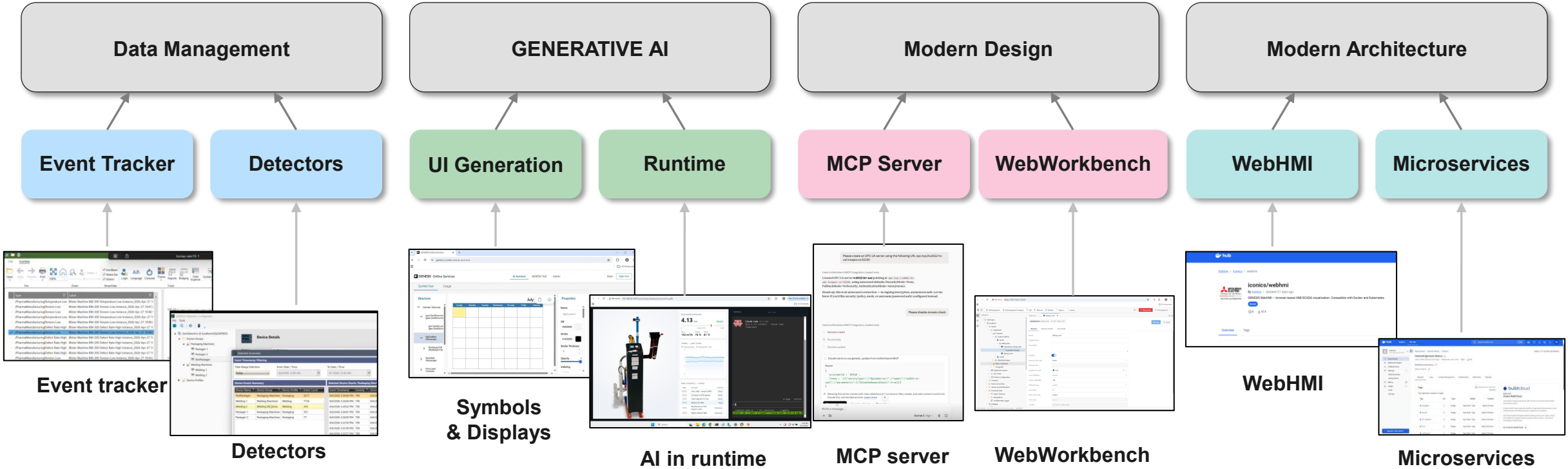
☆0 ↓ 414

[Overview](#) [Tags](#)

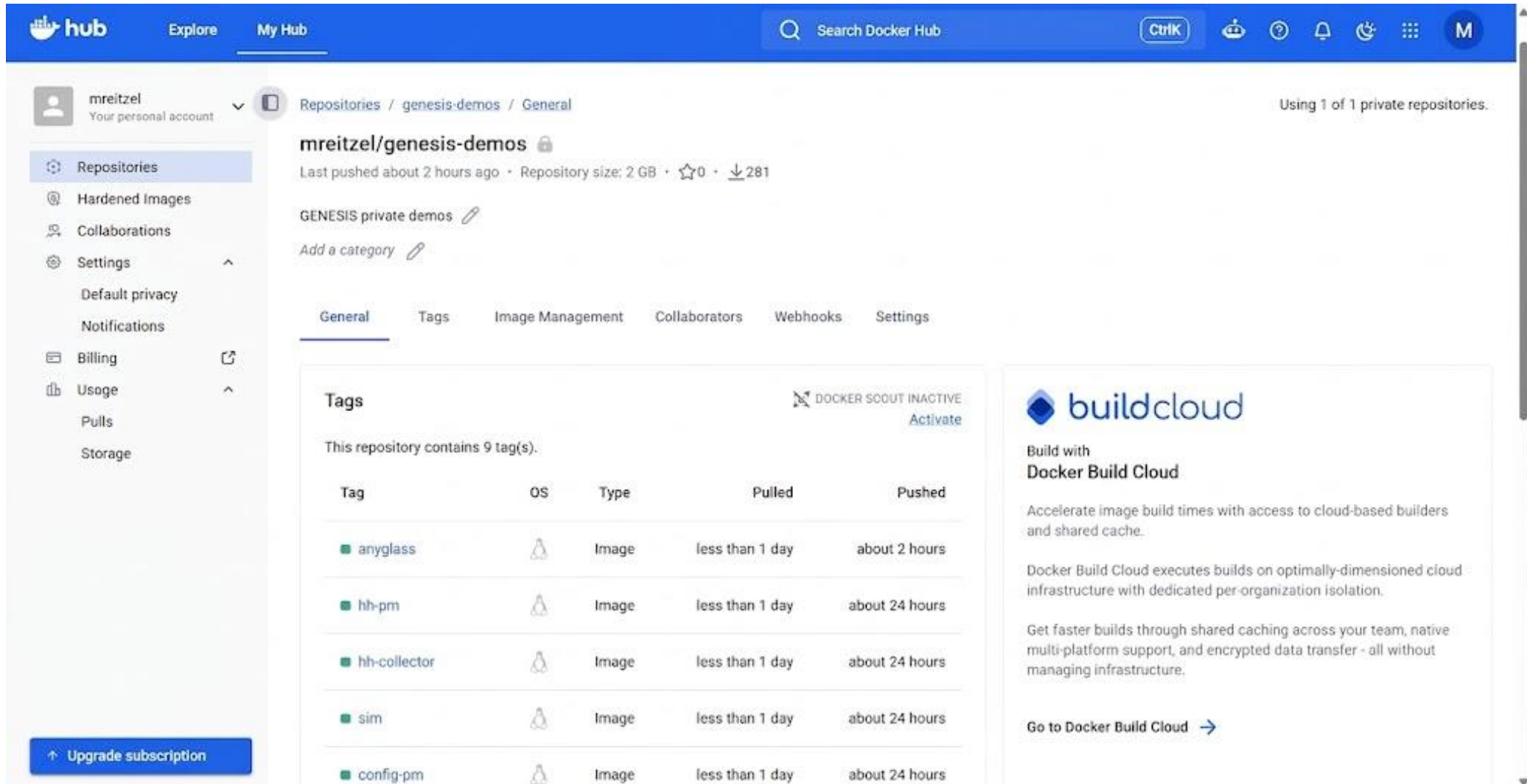
GENESIS WebHMI

This Docker image contains the **WebHMI** server module for **GENESIS**. WebHMI delivers zero-install, browser-based HMI/SCADA visualization, allowing operators to view and interact with GraphWorX displays from any modern web browser without a local client.

The image runs anywhere Docker runs—from a single container on a workstation or server, to a horizontally scalable workload on **Kubernetes**. Each container runs a WebHMI instance that connects to one or more **FrameWorX** servers. When deployed to Kubernetes, you increase the replica count as client demand grows and Kubernetes distributes the load across the available nodes—delivering consistent performance, automatic recovery, and rolling updates for large numbers of concurrent users.



Containers for Edge and Microservices



The screenshot shows the Docker Hub interface for the user 'mreitzel'. The main content area displays the 'mreitzel/genesis-demos' repository, which is a private repository. It shows the repository size as 2 GB, 0 stars, and 281 downloads. The repository is categorized under 'GENESIS private demos'. The 'Tags' tab is selected, showing a list of 9 tags. The tags are: anyglass, hh-pm, hh-collector, sim, and config-pm. Each tag is associated with an OS (Ubuntu), a type (Image), and the time it was pulled and pushed. The 'anyglass' tag was pushed about 2 hours ago, while the others were pushed about 24 hours ago. A sidebar on the left contains navigation links for Repositories, Hardened Images, Collaborations, Settings, Billing, Usage, Pulls, and Storage. A 'Upgrade subscription' button is visible at the bottom left. On the right, there is a 'buildcloud' advertisement for Docker Build Cloud.

Tags

This repository contains 9 tag(s).

Tag	OS	Type	Pulled	Pushed
anyglass	Ubuntu	Image	less than 1 day	about 2 hours
hh-pm	Ubuntu	Image	less than 1 day	about 24 hours
hh-collector	Ubuntu	Image	less than 1 day	about 24 hours
sim	Ubuntu	Image	less than 1 day	about 24 hours
config-pm	Ubuntu	Image	less than 1 day	about 24 hours

buildcloud

Build with
Docker Build Cloud

Accelerate image build times with access to cloud-based builders and shared cache.

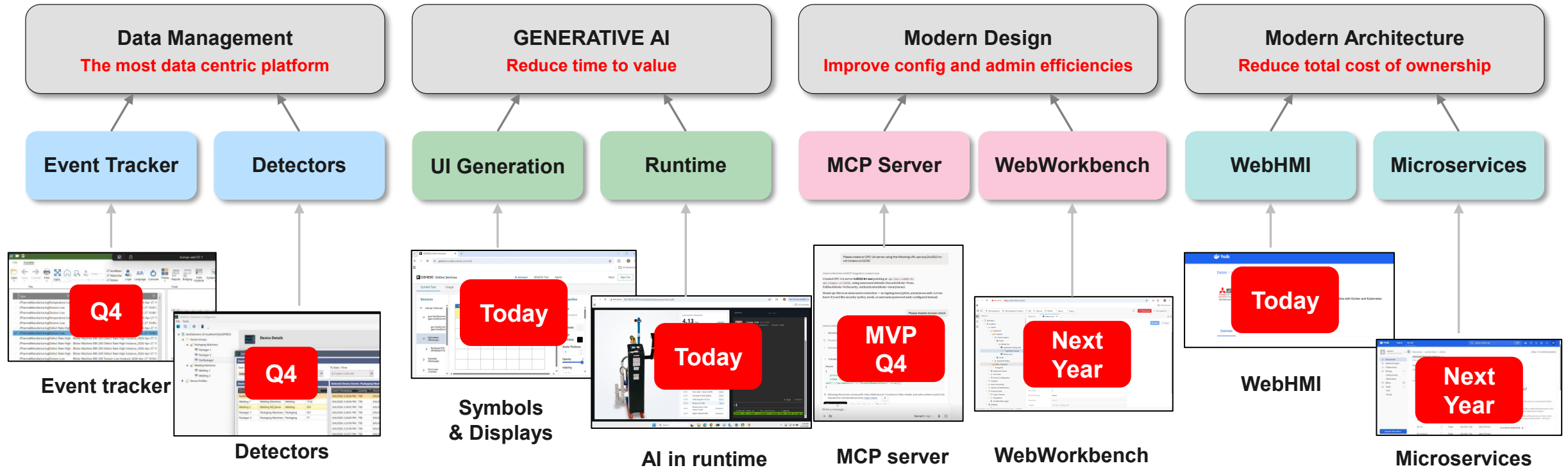
Docker Build Cloud executes builds on optimally-dimensioned cloud infrastructure with dedicated per-organization isolation.

Get faster builds through shared caching across your team, native multi-platform support, and encrypted data transfer - all without managing infrastructure.

[Go to Docker Build Cloud](#)

What's Driving the GENESIS Roadmap?

Four Platform Pillars



All four pillars are live and demonstrable today!
data management to GENERATIVE AI to containerized deployment

5

Session Summary

Call-to-Action & Reference Resources

Session Summary

What is a Modern Automation Platform?

What's new in GENESIS version 11?

- GENESIS version 11 is NOT a BETA
- There is an Upgrade Path

What's coming!

- PCD Event – Spring 2027
- SI Round Table

References

GENESIS Version 11

- [GENESIS Brochure](#)
- [Getting Started with GENESIS Version 11](#)
- [Platform Introduction Project](#)
- [Learning Hub](#) – Management System (LMS)

DeviceXPlorer

- [General Information](#)
- [Trial Download](#)

Demos & Accelerators

- Data Centers – available!
 - [Public Demo](#)
 - [Solution Accelerator](#)
- Smart Buildings – coming soon!
- Oil & Gas – future!
- Water & Wastewater – coming soon!

Event Survey



Scan to Take the Survey

Session Feedback

Share your feedback on today's session

Presenter Contact



Tim McCain

Mitsubishi Electric Iconics Digital Solutions

Director of Channel & Industry Development, Americas

Stay in touch!



[Mitsubishi Electric Iconics Digital Solutions](#)



[@MEIDSvideo](#)



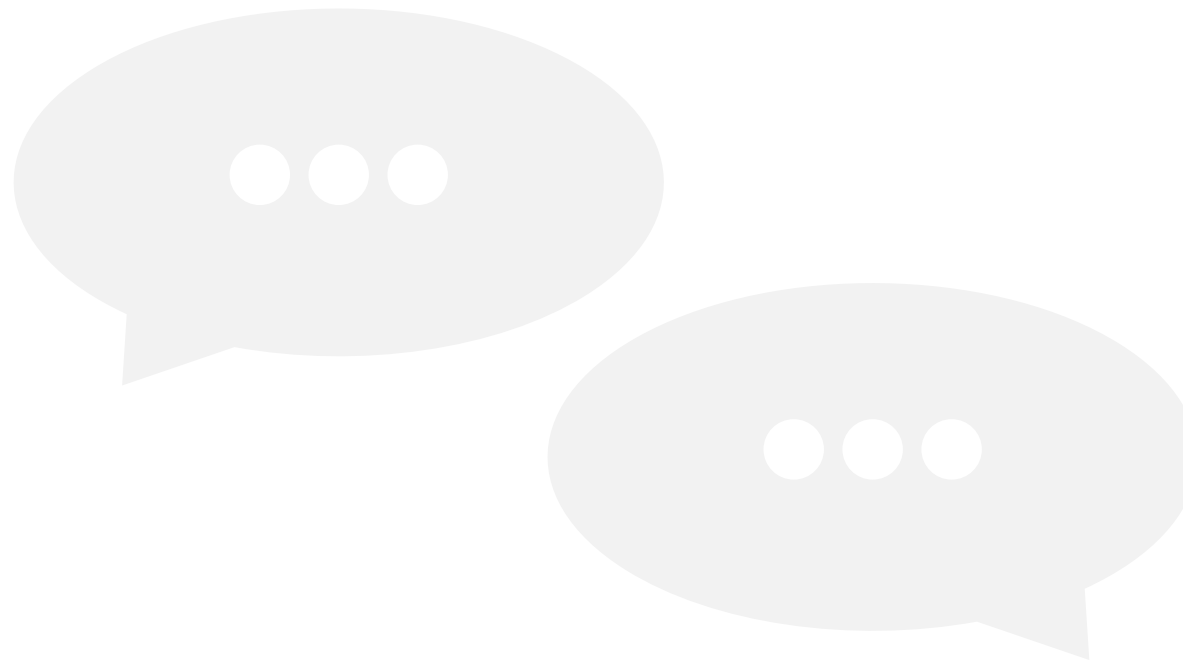
[@MEIDS](#)



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[Newsletter](#)



Supplemental Information

Advanced Topics – GENESIS Online Services & Containerization

Lifecycle Benefits

Rapid Prototyping

Explore concepts and options quickly

Accelerate Time-to-Value

Develop design standards and project-specific displays

Support Evolving Needs

Enable ad hoc development and modifications after go-live

Example: Single Line Diagram

Electrical Power Monitoring Software (EPMS)

- Typically work well with one specific brand of hardware
- Offer limited customization

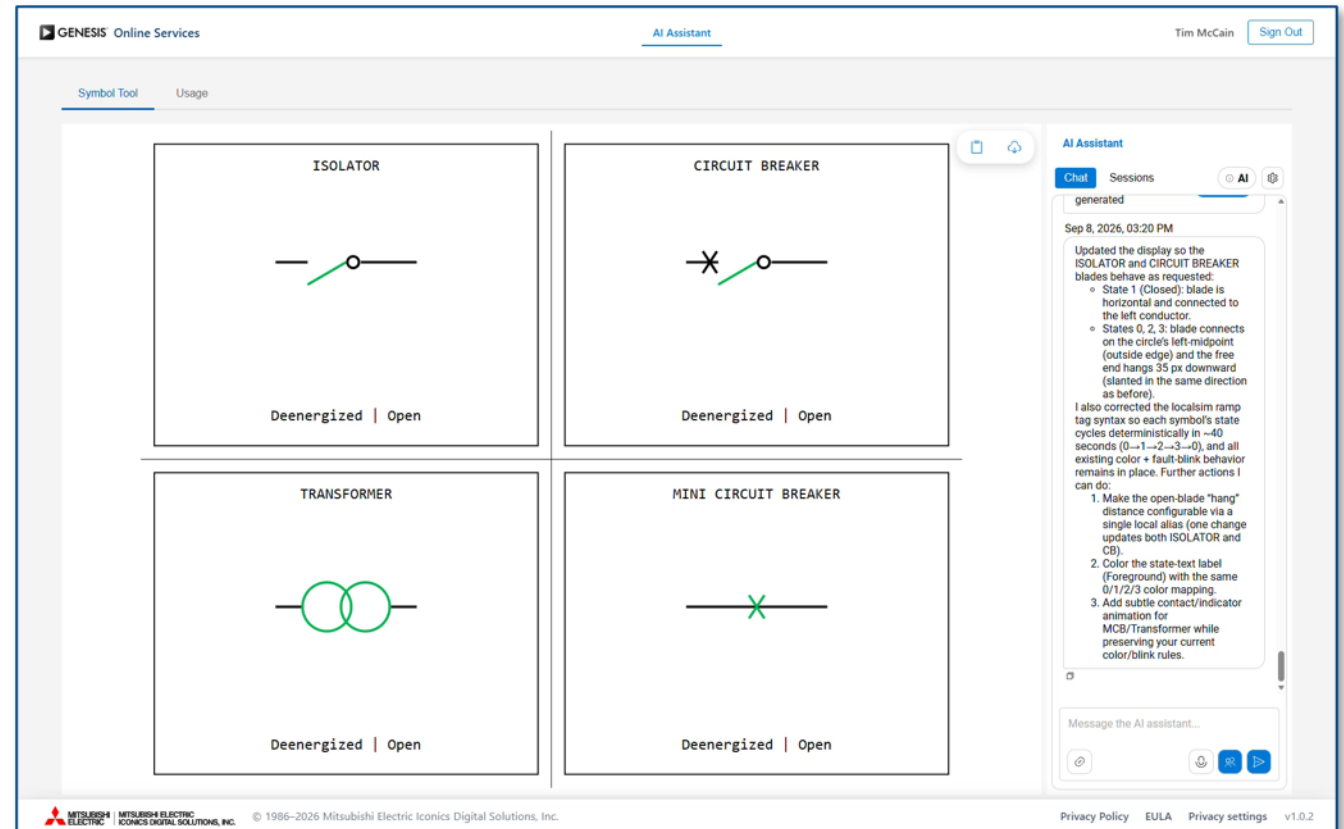
Critical Infrastructure typically has

- Unique power systems
- Heterogeneous, with equipment from multiple suppliers

GENESIS as an EPMS

- Single-pane-of-glass visualization
- Alarming
- Historization
- Supervisory Control
- Analytics

GENESIS Visualization



GENESIS Online Services

AI Assistant

Tim McCain Sign Out

Symbol Tool Usage

ISOLATOR

Deenergized | Open

CIRCUIT BREAKER

Deenergized | Open

TRANSFORMER

Deenergized | Open

MINI CIRCUIT BREAKER

Deenergized | Open

AI Assistant

Chat Sessions AI

generated

Sep 8, 2026, 03:20 PM

Updated the display so the ISOLATOR and CIRCUIT BREAKER blades behave as requested:

- State 1 (Closed): blade is horizontal and connected to the left conductor.
- States 0, 2, 3: blade connects on the circle's left-midpoint (outside edge) and the free end hangs 35 px downward (slanted in the same direction as before).

I also corrected the localsim ramp tag syntax so each symbol's state cycles deterministically in ~40 seconds (0→1→2→3→0), and all existing color + fault-blink behavior remains in place. Further actions I can do:

1. Make the open-blade "hang" distance configurable via a single local alias (one change updates both ISOLATOR and CB).
2. Color the state-text label (Foreground) with the same 0/1/2/3 color mapping.
3. Add subtle contact/indicator animation for MCB/Transformer while preserving your current color/blink rules.

Message the AI assistant...

Privacy Policy EULA Privacy settings v1.0.2

The GENESIS architecture is being containerized with delivery in three phases...

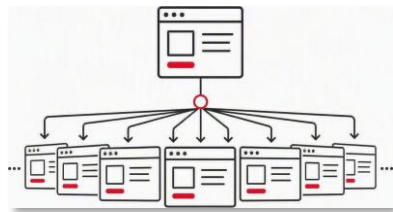
We are here!
v11.05

01

WebHMI

Horizontal scaling for clients

- First GENESIS service to be containerized
- Easily deploy, only what is needed
- Scale out to serve very large numbers of concurrent clients
- Resources allocated on demand — effectively unlimited capacity



02

EDGE CONTAINERS

Tethered edge deployment

- Reduced technical footprint for on-prem access to remote systems
- Local communication with buffered store and forward — secure ingress and egress
- Hybrid connectivity to centralized supervisory control workloads and persistent storage
- Built to address challenges of highly distributed systems with edge requirements

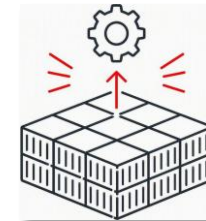


03

FULL PLATFORM

The rest of GENESIS in containers

- Remaining platform services containerized for serviceability
- Faster time to provision new systems
- Removes Windows OS provisioning, updates and maintenance effort
- At least 30% lower IT provisioning and administrative cost



Lifecycle Benefits

Rapid Provisioning

Stand up new services in minutes, not days

Lower Cost of Administration

Self-healing, centrally managed workloads

Enhanced Operational Performance

Add capacity dynamically, release it when it drops

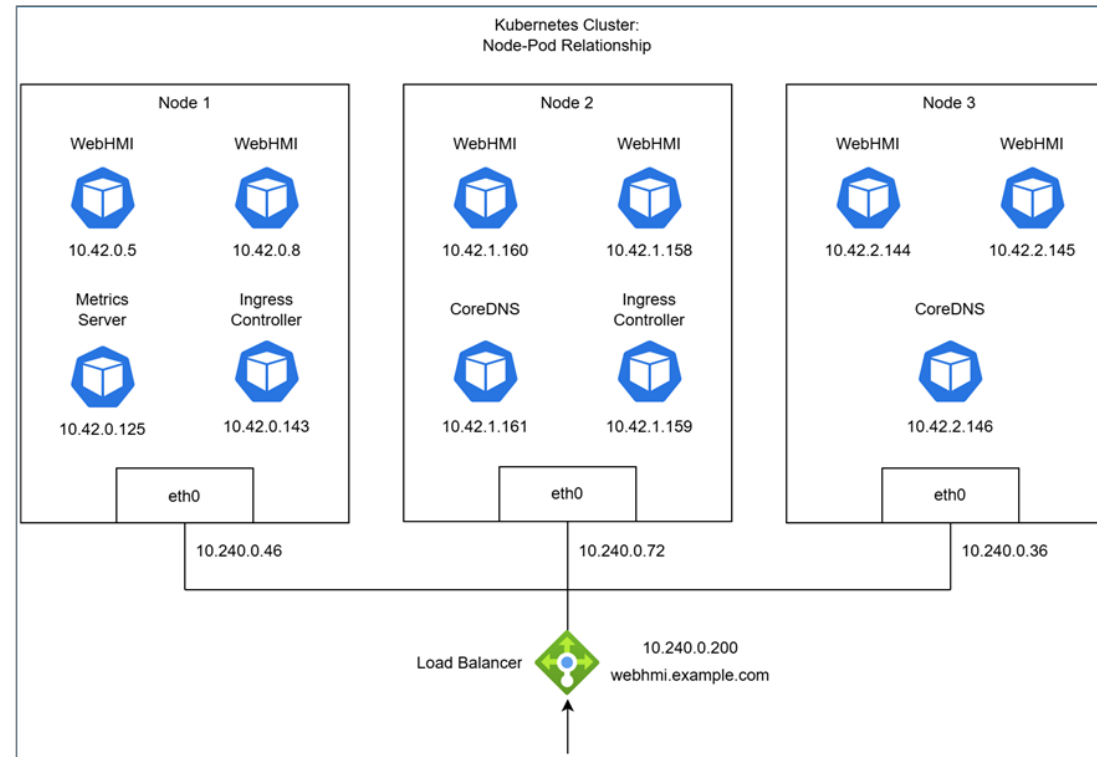
Lower Lifecycle Costs

Roll out updates without full-system downtime

Terminology

- **Kubernetes**
Orchestration layer that schedules and heals services
- **Containers**
Portable, isolated packages of a GENESIS service
- **Nodes**
Physical or virtual machines that host the pods
- **Cluster**
The pooled nodes running the WebHMI front end
- **Pods**
One or more containers deployed and scaled as a unit

Containerized Service Architecture



WebHMI Front End Deployment

