Delta Intelligent Building Technologies

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Make Every Engineering Hour Go Further.

Keep the Ceiling. Raise the floor.

AI-assisted engineering that helps Delta Partners program faster, reduce rework, and overcome the skilled workforce gap.

Do it right. deltacontrols.com

BUILDING CANVAS

Engineering Built Around the Way Integrators Actually Work

Building Canvas is Delta IBT's unified, AI-powered platform for engineering intelligent building systems — virtual controllers, programming, graphics, AI assistance, and project organization in one cloud workspace.

The Canvas Flow

User Inputs

Building Specs, Equip Schedules, Commands, Questions.

Building Canvas

Draws on three sources:

- Delta product knowledge (BACnet objects, controller I/O constraints, sequences of operation)
- Your standards, templates, and project files
- The building's own twin, points, and live system data



Controller Database

Objects, GCL, Graphics, Ready to Deploy.

Your Growth Shouldn't Be Limited by Engineering Capacity

Today

Field-crafted automation

Success depends on tribal knowledge, custom workarounds, and senior-technician heroics.

With Canvas

AI-driven delivery

A repeatable workflow that guides design, configuration, validation, commissioning, and handover.

Six pressures

01 Skilled labor pool shrinking and retiring

02 New engineers take too long to become productive

03 Fragmented tools

04 Manual data re-entry between stages

05 Late discovery of errors

06 No persistent system model



Save engineering time

Turn engineering efficiency into project capacity.

Canvas reduces repetitive engineering work so your existing team delivers more without adding headcount at the same rate.

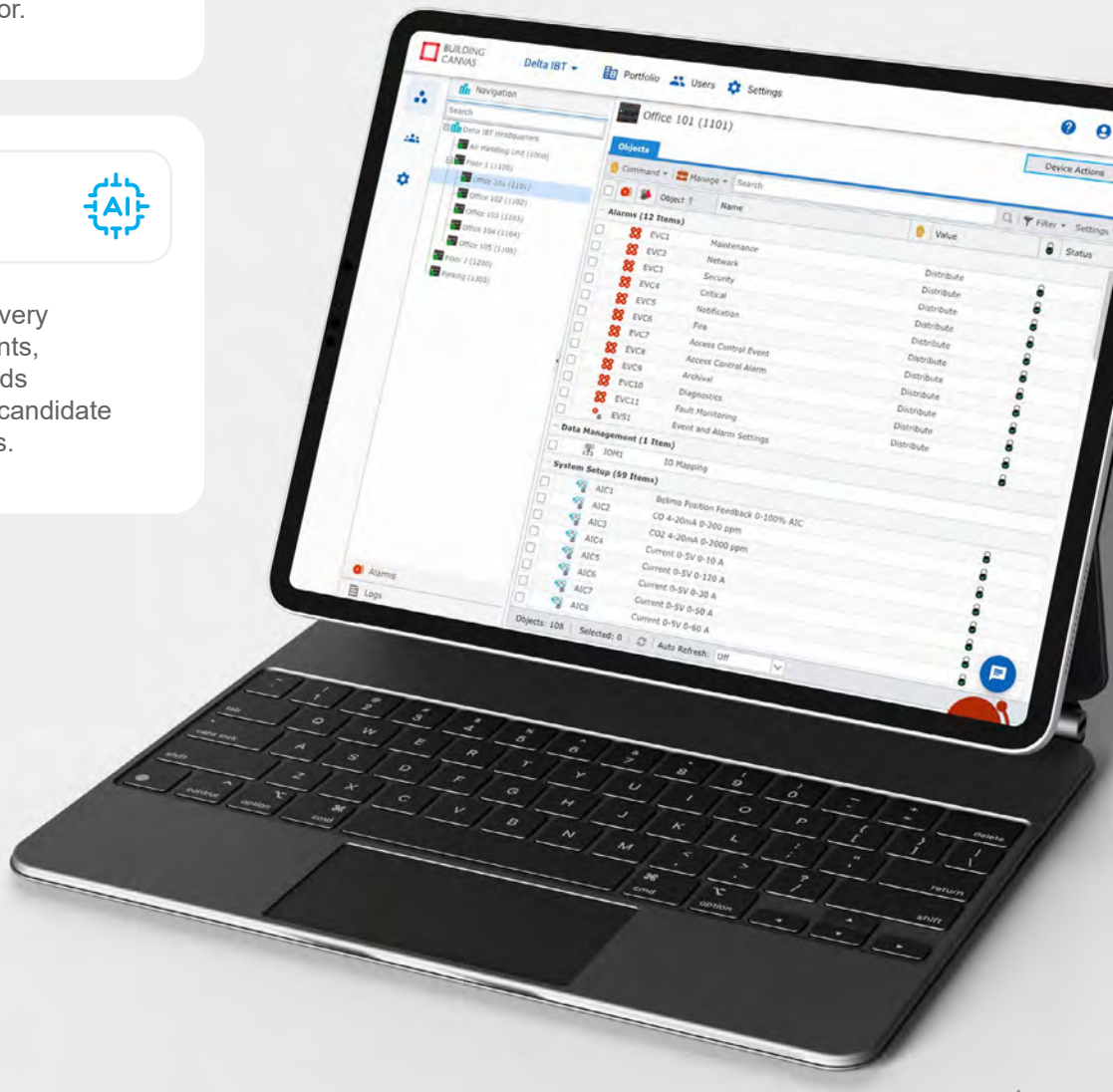
Two Foundations:
Canvas AI & Digital Twins

Canvas Digital Twins

A living semantic model of buildings, systems, equipment, and controllers. A single source of truth drawn from drawings, specs, programming, and telemetry — representing equipment, I/O, networks, graphics, and real-time behavior.

Canvas AI

The central engine powering every workflow. Interprets requirements, applies Delta rules, recommends supported devices, generates candidate logic, and populates databases.



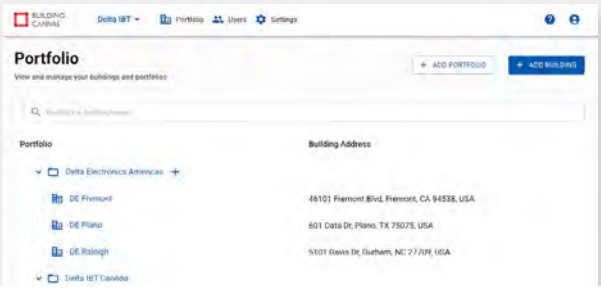
BUILDING CANVAS

Engineer the Whole Building Before It Reaches the Field

Capability	What it Does	Partner Value
Portfolios & Buildings	Organize around customers and actual buildings, not network segments.	*Clearer project structure*
Unlimited Virtual Devices	Hundreds or thousands of virtual controllers in one building.	*Full-building simulation*
Automatic Startup	Navigate to a device; Canvas starts it in seconds.	*No manual site startup*
AI Device Creation	Describe the system in natural language; Canvas creates devices, objects, and I/O.	*Faster engineering start*
Duplicate Complete Devices	Copy one configured controller to many, database included.	*Repeatability, fewer errors*
Programming & Graphics	GCL programming and enteliSKETCH creation and test in one workspace.	*Less tool switching*
Database Export	Export completed databases in one step.	*Faster handoff to the field*

Project Structure

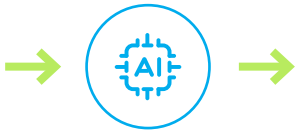
Organization
↳ Portfolio
↳ **Building = a 'Site' in eWeb**
↳ Devices + Graphics + Model



AI Accelerates the Engineer. It Does Not Replace the Engineer.

Natural Language in, Structure Engineering Out

AI Prompt: Design an air handling unit (AHU) with 5 variable air volume (VAV) zones for a medium sized office building in California. Ensure the design complies with Title 24, part 6 energy efficiency standards



Devices Models + Firmware

Objects & I/O Points + Naming

Candidate Logic Engineer Review

Database Ready to Test

One Connected Delivery Flow

01

Describe the Project

Specs, equipment schedules, natural-language requirements.

02

Build Project Context

Partner standards, project data, Delta product knowledge, the living building model.

03

Generate Engineering

Support devices, objects and I/O, candidate logic, populated databases.

04

Review and Pretest

Edit programming, build graphics, simulate, validate before the field.

05

Deliver

Export completed databases into your existing deployment workflow.

The field should confirm the engineering — not finish it.

Guardrails and What the AI Actually Touches

Guardrails

Canvas AI Can

- **Interpret user inputs**
- **Generate candidate logic**
- **Apply Delta rules**
- **Populate databases.**

Canvas AI Cannot

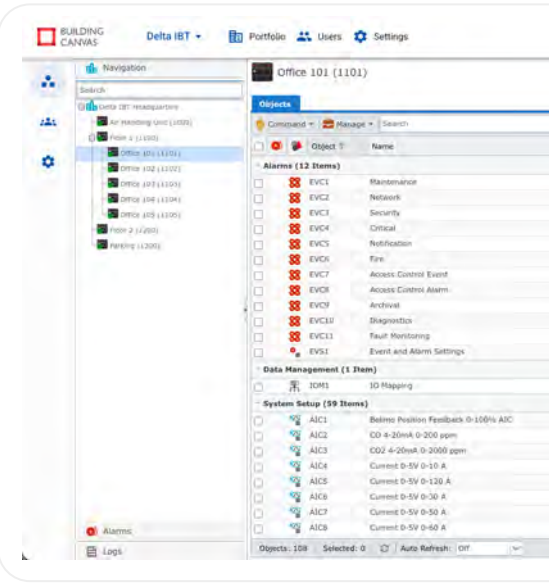
- Violate controller constraints
- Initial system types
- Invent unsupported equipment
- Bypass engineer review

Current Scope

- Supported controllers
- Known edge cases

What the AI Actually Touches

Feature	Platform	AI-Assisted
Create organization	●	
Create portfolios and buildings	●	
Create virtual controller	●	●
Create objects and I/O	●	●
Edit existing devices	●	
Program (GCL)	●	
Export device databases	●	
enteliSKETCH graphics	●	



Two of eight. Everything else is the engineer, working in the platform.

Don't Lower the Ceiling. **Raise the Floor.**

Natural-language assistance helps newer team members contribute sooner while experienced engineers keep full control.

For Newer Team Members

Bring the floor up.

- Guided, repeatable workflows.
- Learn Delta applications while doing the work.
- Contribute to active projects sooner.
- Less dependence on memorized configuration steps.

For Experienced Engineers

Keep the ceiling high.

- Review and approve every AI-generated result.
- Full manual GCL programming retained.
- Less time on routine configuration.
- Focus on architecture, sequences, and exceptions.

Canvas does not lower the ceiling for experienced engineers.
It raises the floor for the rest of the team.

What Changes, and Why It's Different.

Cloud Engineering → BUILDING CANVAS

	Cloud Engineering		BUILDING CANVAS
Device Ceiling	100 or 250 per site	→	**Unlimited**
Device Startup	Minutes	→	**Seconds**
Licenses to Maintain Cloud Engineering + enteliWEB	Engineering + enteliWEB	→	**One engineering seat**
Device Configuration	Each one manually	→	**Duplicate one-to-many, database included**
AI Device Creation	Not available	→	**Built in**
Programming Features	enteliWEB set	→	**Same set – no loss of functionality**

The 100 or 250 cap forces engineers to split a project across multiple disconnected networks, which causes tracking errors and leaves systems incompletely tested.

Where the Model Gets Built



Canvas: one structured model drives point lists, programming, graphics, configuration.

Competitors: install first, then reverse-engineer and tag. A separate, separately funded project.

Competitors modeled too late. Canvas builds the model where the leverage is highest — during design.

Licensing moves to engineering seats. Project structure moves from network-centric sites to organizations, portfolios and buildings.

Grow the Business, Not Just the Margin.

Efficiency is what Canvas delivers. Growth is what efficiency makes possible. Canvas is the common delivery method across the full Delta Intelligent Building Technologies portfolio. A Delta Controls integrator becomes a full DIBT integrator with minimal ramp-up — because the workflow, the model, and the platform are shared.

Five Brands, One Delivery Method

Delta Controls — A Brand of Delta	**Delta Controls**	Building management and energy
LOYTEC — A Delta Group Company	**LOYTEC**	Building automation integration
amerlux	**Amerlux**	Architectural and performance LED lighting
MARCH networks	**March Networks**	Security and video analytics
VIVOTEK — A Delta Group Company	**VIVOTEK**	Cameras and intelligent monitoring

One delivery method, not four product lines
Your team learns a workflow, not a catalogue.

New scope on existing accounts
Extend into lighting, security, and video without becoming a different company.

Fewer vendors for your customer
One accountable delivery partner across systems that finally cooperate.

Anyone can install. Few can integrate.

Canvas Today. A Clear Path Forward.

Available Now Next Roadmap

Engineer
AI-driven controller database generation

Graphics
Automated graphics generation

Deploy
Automated controller provisioning

AI Chat / CoPilot
GCL and Python generation and troubleshooting

Estimate
AI-based BAS estimating engine

Design
Intelligent BAS design environment

Refine
Automated startup and verification

Operate
Unified real-time operations environment

Optimize
Autonomous building optimization engine

Life-Cycle
Long-term asset and maintenance layer

Available in Canvas Today

- ✓ Organizations, portfolios and buildings.
- ✓ Create, edit and duplicate virtual controllers.
- ✓ Objects and I/O including AI-assisted creation.
- ✓ GCL programming.
- ✓ enteliSKETCH creation and test.
- ✓ Full-building simulation.
- ✓ Database export.
- ✓ Licensing by engineering seat.

Saving Engineering Time Creates Capacity. Capacity Creates Growth.



More Capacity

Deliver more projects without adding engineers at the same rate.



Stronger Margins

Less manual effort, rework, and costly field callbacks.



Faster Onboarding

New engineers and technicians contribute sooner.



Better Talent Leverage

Reserve senior engineers for the work that needs them.



Greater Consistency

Standardized workflows, project structures, databases.



Lower Field Risk

Errors found before installation, shorter startup.

The Questions Your Engineers Will Ask

01 **Is this just AI guessing?** No free-form generation. Constrained by Delta rules. Engineer approval required.

02 **Will it generate unsafe or invalid logic?** Controller constraints enforced. BACnet rules enforced. Validation before deployment.

03 **Do we lose control of programming?** Engineers review everything. Manual edits always allowed. AI accelerates, it doesn't replace.

04 **How is this different from analytics vendors?** Built at design time. Persistent system model. Not post-install tagging.

05 **Is this production-ready or a science project?** Release 1 has defined scope, clear limits, and incremental expansion.

06 **Will this slow my team down initially?** Parallel adoption. Pilot projects. No forced migration. Existing tools feed Canvas.

07 **What if the AI is wrong?** Engineers approve outputs. Simulation catches errors. Responsibility stays human.

Delta Intelligent Building Technologies

Start With a Project. Prove the Time. Scale the Workflow.

Building Canvas helps Delta Partners scale project delivery with AI-assisted engineering, connected virtual testing, and repeatable workflows. Adopt at your pace — use Canvas alongside existing tools, begin with pilot projects, and expand as capability and team confidence grow. No forced migration.

Get Started

BUILDING CANVAS

Talk to your Delta Controls representative about partner access and pilot opportunities.