



EMERSON EXCHANGE 2025

ACCELERATING INNOVATION



ACCELERATING
INNOVATION

DeltaV Enterprise Engineering

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Important Reminders

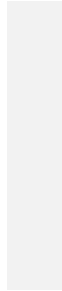
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Shruti Ronghe

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Agenda

Shruti Ronghe

Enterprise Engineering Value Drivers and Use Cases

Shruti Ronghe

Enterprise Engineering Concepts and Demo

DeltaV Enterprise Engineering Value Drivers and Use Cases

Shruti Ronghe

Challenges of Managing Multiple DeltaV Systems



Limited Visibility Across Sites

Accessing latest configurations from multiple sites

No single console to search, view & compare configurations



Compliance With Standards

Inconsistent enforcement of corporate vs. local engineering standards

Manual effort to detect deviations or configuration deviations at each site

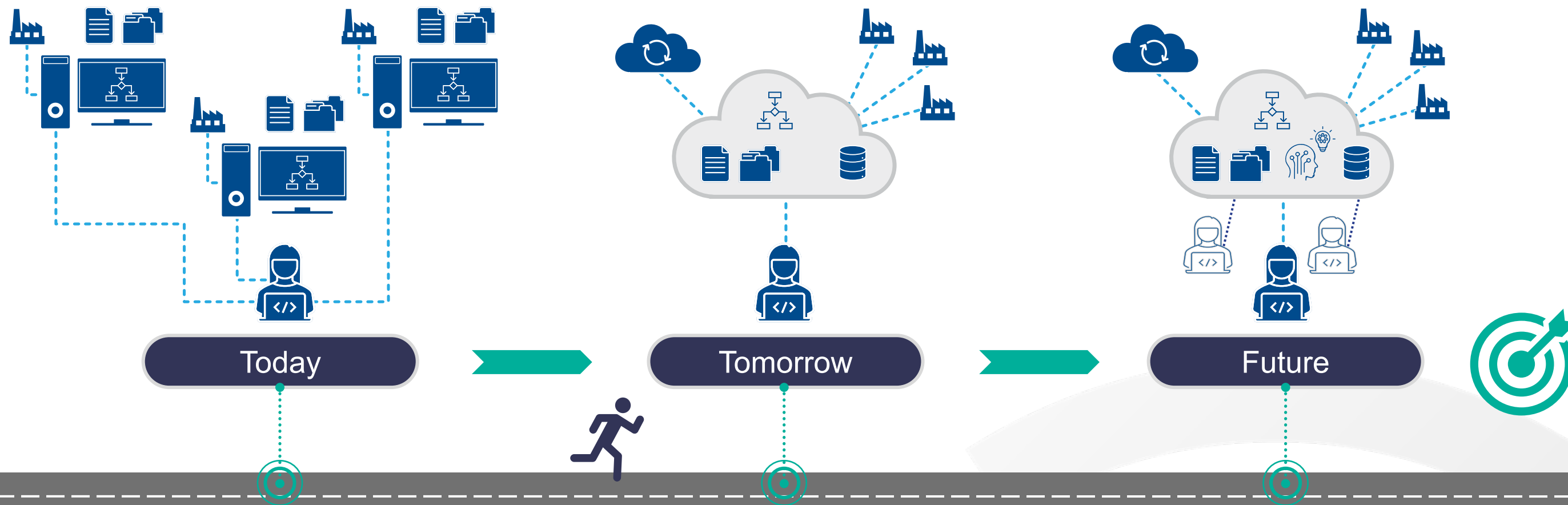


Configuration Management Tools

Modifying similar configurations across systems

Limited configuration reuse

DeltaV Enterprise Engineering Vision

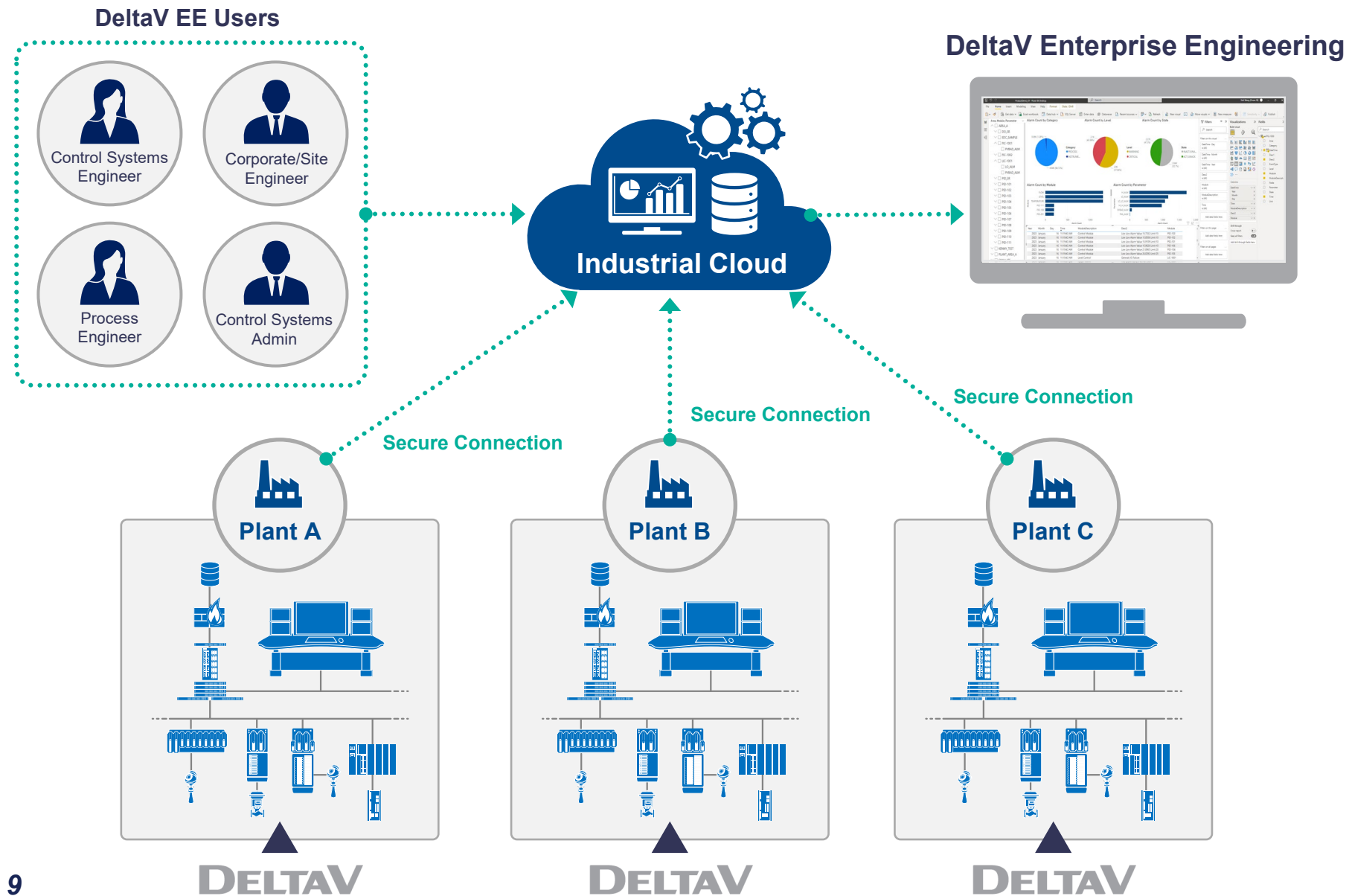


Configure one DeltaV system at a time
Design relies on on-prem engineering tools

Enterprise-wide visibility with secure access to multiple DeltaV systems
Enable remote configurations

Unlock multi-user collaboration
AI assisted auto generation of code

Value Drivers For DeltaV Enterprise Engineering



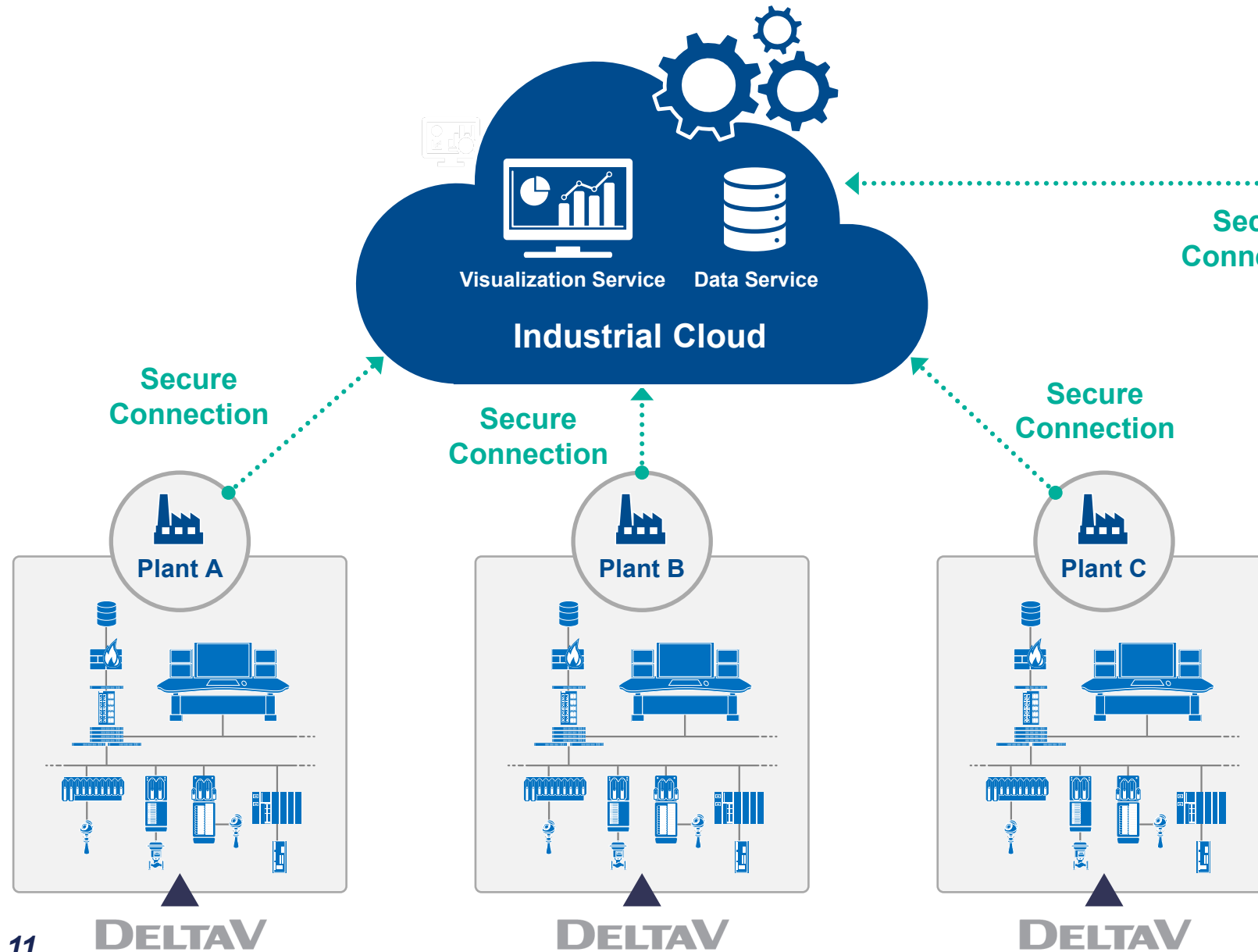
Use Cases

- ✓ **Enterprise-wide Visibility:**
One login, one console
- ✓ **Compare Configurations:**
Instantly compare configurations
- ✓ **Standard Enforcement:**
Spot configuration deviation from standards
- ✓ **Clone Configuration:** From proven modules across sites with zero manual rework
- ✓ **AI Assisted Search:** complex queries generated in natural language to simplify searches
- ✓ **Remote Updates:** Push standard-aligning updates automatically, without a site visit.

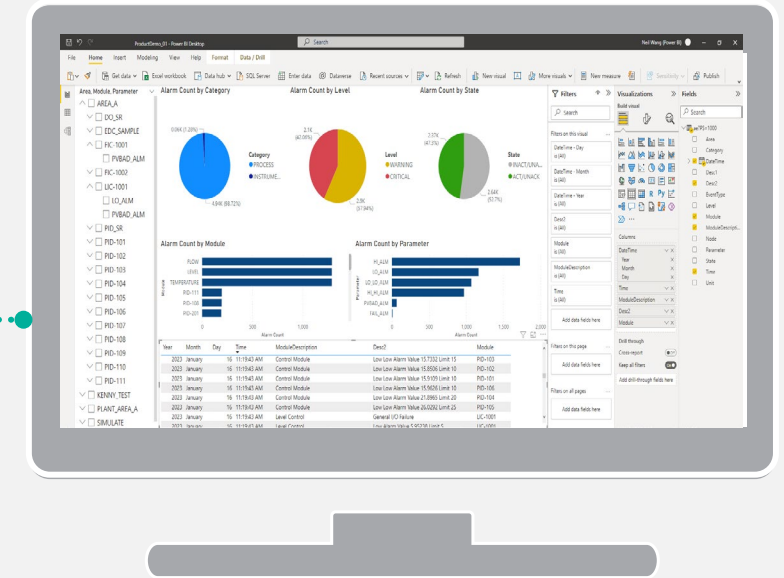
DeltaV Enterprise Engineering Concepts and Demo






Shruti Ronghe

Centralized Visibility Of Multiple DeltaV Systems



DeltaV Enterprise Engineering



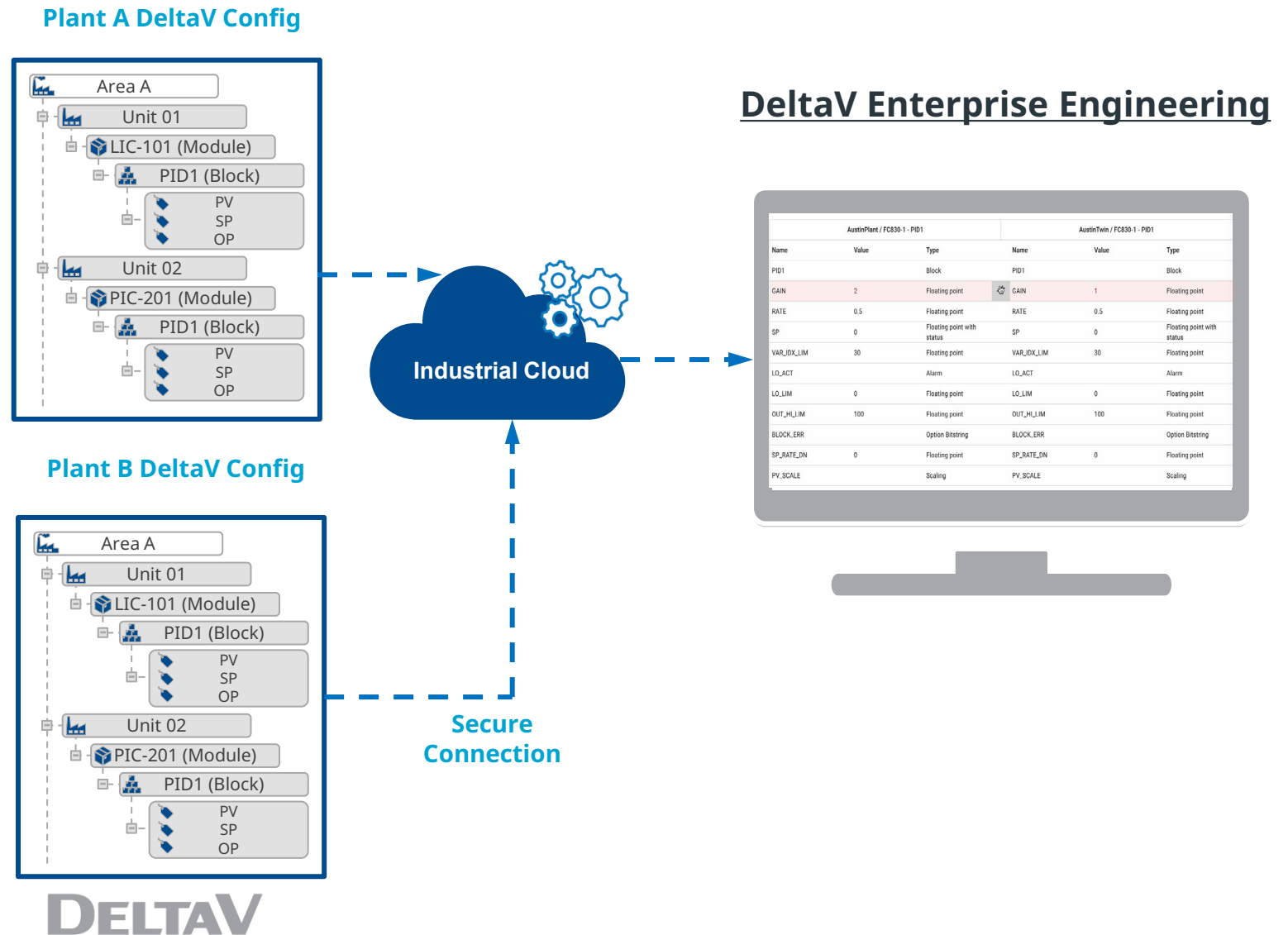
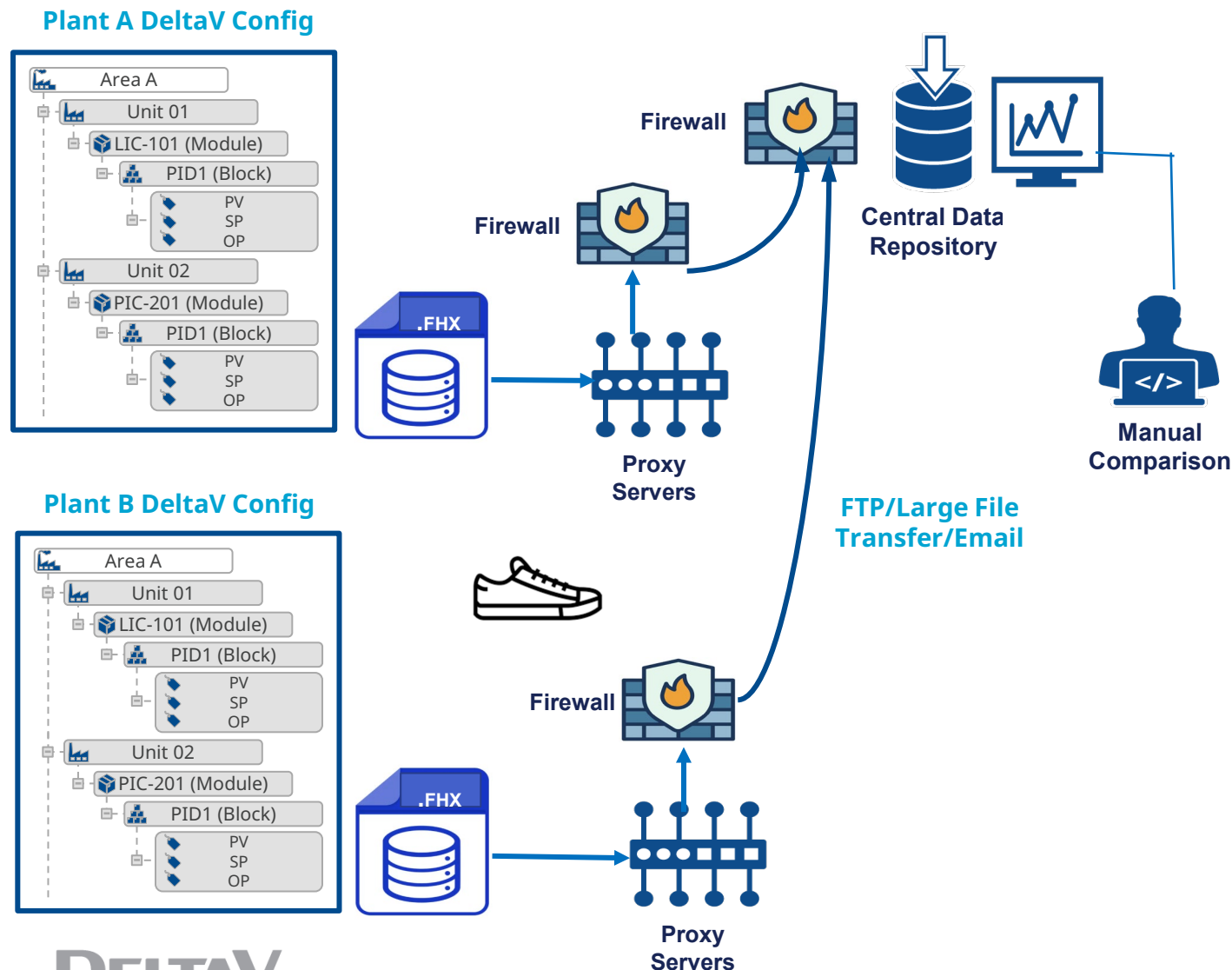
-  Single console to access all DeltaV systems
-  View corporate libraries
-  Eliminate multiple logins & remote desktops
-  Security-first approach
-  Centralized visibility for faster decision making

DeltaV Configuration Comparison

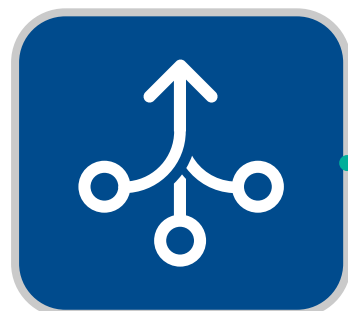
Old Way

or

New Way



Reconcile Configuration Differences



DeltaV Enterprise

Reconcile

- Control Modules
- Equipment Modules
- Recipes

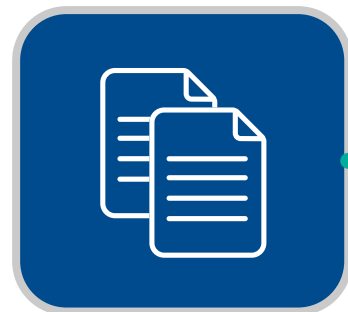
Key Highlights

- Granular Comparison View
- Selective Merge Capability
- Pre-download Validation
- Merge With Single Click
- Audit Trails for Compliance

AustinPlant / COLUMN			AustinTwin / COLUMN		
Name	Value	Type	Name	Value	Type
LC830-1		module	LC830-1		module
PD830		module	PD830		module
XV830-1		module	XV830-1		module
P830-1		module	P830-1		module
FC830-1		module	<input checked="" type="checkbox"/> FC830-1		module

Instantly add missing elements from the source system into the target system

Clone and Instantiate



DeltaV Enterprise

Copy/Instantiate

- ✓ Control Modules
- ✓ Equipment Modules
- ✓ Recipes, Units

Key Highlights

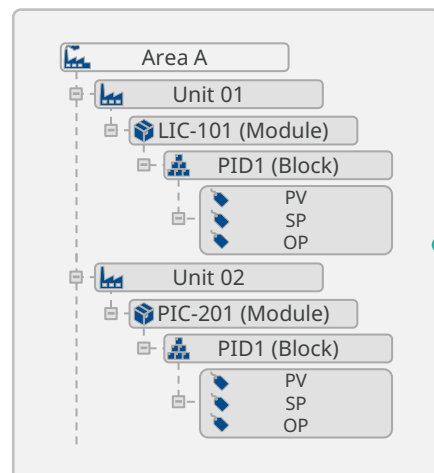
- 🕒 Smart Tag Renaming
- 🕒 Cross-site Cloning
- 🕒 Pre-Download Validation
- 🕒 Ready to Download Indication
- 🕒 Audit Trails for Compliance

Details	Parameters
Description:	Equipment Module
Type:	Equipment Module
Template:	<u>TANK-DSCHG-\$\$</u>
Scan Rate:	1s
Primary Display:	TANK201
Detail Display:	
Facetplate:	MOD_FP

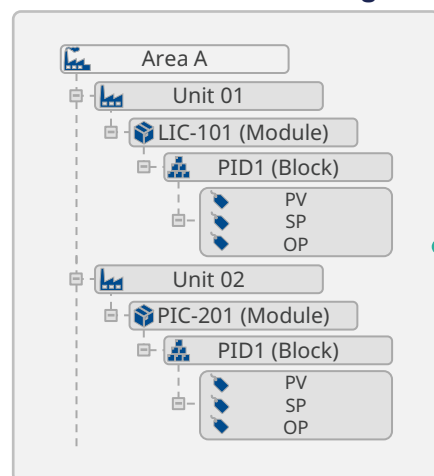
Reuse proven configurations instead of rebuilding —
reducing manual rework and engineering effort.

DeltaV AI Assisted Search

Plant A DeltaV Config

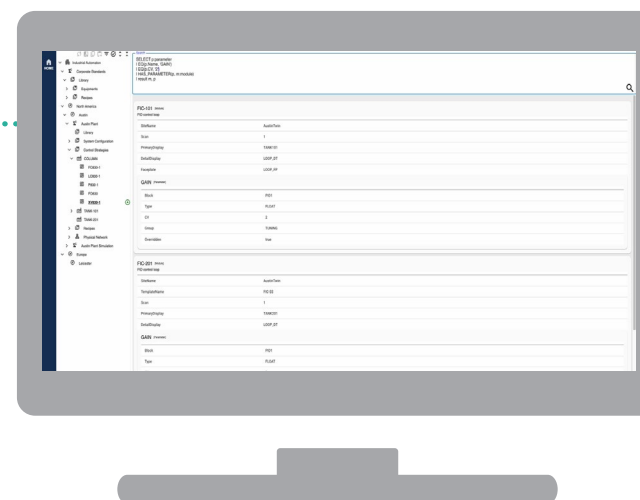


Plant B DeltaV Config



Secure Connection

DeltaV Enterprise Engineering



- ✓ Smart, Flexible Search: Instantly build and run queries
- ✓ Eliminate complex code writing- only requires natural language,
- ✓ Search across production and simulation systems, and your corporate libraries
- ✓ Find internal & external reference

No more endless clicking to search—just type your question and get results in seconds!

DeltaV Enterprise Engineering Portfolio



Enterprise Configuration Management



- View Configurations
- Compare configurations
- Smart Search queries
- Compare common elements from different modules
- View deviations from standards / classes

Enterprise Dashboards



- Dashboard of real time data
- Enterprise DeltaV Live graphics
- Comparisons across sites
 - Alarms
 - Loop performance
 - Interlocks/Bypasses

Enterprise SaaS Engineering Sandbox



- Sync with on-prem DeltaV systems
- Engineer multiple DeltaV systems
- Simulate to test changes prior to deploying on site
- Easy upgrades



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Thank You