



UCS TECHNICAL FIELD GUIDE

ABB Cylon Platform Guide

CBXi • FLXeon • CXproHD beneath Niagara N4 and NiagaraMods Reflow

— Field-earned, not brochure-deep —

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Prepared for building owners, consulting engineers, facility teams and IT/OT stakeholders

NIAGARA SUPERVISION • OWNER ADVOCACY • SUPPORTABLE FIELD CONTROL

The UCS point of view

FIELD-EARNED, NOT BROCHURE-DEEP.

Our team has installed, programmed and serviced these systems in the field—including lines we do not represent—so we know the real strengths and trade-offs first-hand. That experience lets UCS act as an advocate for the owner, not a salesperson for a badge.

What stays consistent on every UCS project

- Niagara is the supervisory and integration standard above the controller line.
- NiagaraMods Reflow is the standard UCS operator interface, licensed appropriately for each deployment.
- BACnet helps systems communicate; it does not make controller logic, licenses, databases or service tools interchangeable.
- Native platform engineering tools remain part of a supportable design; one front end does not erase them.
- Controller choice follows the installed base, sequences, IT standards, service resources and owner goals.

ABB Cylon

UCS lead control platform: open BACnet field control beneath Niagara and NiagaraMods Reflow.

Conceptual Niagara-centered riser

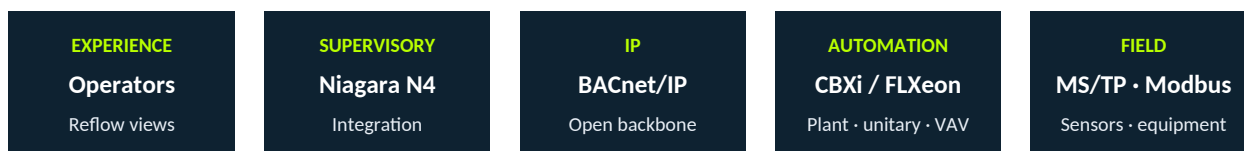


ABB logic remains native to CXproHD; Niagara is the owner-facing supervisory and integration layer.

Field perspective

WHERE IT IS STRONG	DESIGN CONSIDERATIONS
- Open BACnet/IP, MS/TP and Modbus paths. - Flexible plant, unitary and VAV controller range. - Native IP terminal options improve service access. - Strong value beneath a Niagara owner standard.	- CXproHD skill and source-file control remain essential. - Mixed Cylon generations require discovery. - Native front-end features may need intentional Niagara rebuilds. - Routing, addressing and controller capacity must be engineered.

Where it fits

USE CASE	FIT	FIELD NOTE
New construction	Best fit	Open-system owners who value flexible field control.
Modernization	Strong fit	Preserve useful devices while upgrading supervisory and automation layers.
Mixed generations	Discovery first	Inventory databases, logic, wiring and controller models before pricing.

Owner-advocate question

Does the design preserve owner choice at the supervisory layer while keeping controller logic supportable by qualified technicians?

Working with UCS on ABB Cylon

- Field-verified discovery before pricing: controllers, firmware, databases, wiring and reusable assets.
- Native engineering stays native—UCS maintains the platform's own tools, source files and backups.
- One supervisory standard: Niagara N4 with NiagaraMods Reflow as the operator experience.
- Turnover includes source files, station backups, graphics resources, point documentation and support contacts.
- Ongoing service under a UCS Smart Service agreement, with remote diagnostics where the owner's IT policy allows.

Manufacturer references

TOPIC	MANUFACTURER REFERENCE
ABB CB Line / FLXeon / CXproHD	electrification.us.abb.com/products/building-automation-controls
Tridium Niagara N4	tridium.com/us/en/products-services/niagara4
NiagaraMods Reflow	niagaramodules.com/products/reflow

Disclaimer: This document is a conceptual planning aid, not a stamped controls design, cybersecurity plan or product-availability guarantee. Final architecture must be engineered for the specific project and approved by the owner and responsible design professionals.