



UCS TECHNICAL FIELD GUIDE

Siemens Desigo Platform Guide

Desigo PXC4 / PXC5 / PXC7 with TX-I/O, integrated under Niagara N4 and
Reflow

— Field-earned, not brochure-deep —

JULY 2026

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.

Siemens Desigo

New UCS line: Desigo PXC automation integrated into the same Niagara/Reflow operator standard.

NEWLY ADDED LINE

UCS-specific Siemens case studies and deep engineering resources will grow as current work is completed. The architecture below is deliberately conservative and does not overstate project history.

Conceptual Niagara-centered riser

EXPERIENCE Operators Reflow views	SUPERVISORY Niagara N4 Integration	SECURE IP BACnet/IP • SC Owner standard	AUTOMATION PXC4 / 5 / 7 Native logic	FIELD TX-I/O • DXR Rooms • equipment
--	---	--	---	---

ABT Site remains the native engineering environment. BACnet/SC depends on exact versions and certificate-management standards.

Field perspective

WHERE IT IS STRONG • Scalable PXC controller family. • BACnet/SC supports secure-network designs. • TX-I/O and phased modernization may preserve viable assets. • Natural fit for an existing Siemens estate.	DESIGN CONSIDERATIONS • Native engineering requires ABT tools and training. • Desigo-native workflows do not all map directly to Niagara. • Legacy APOGEE/TALON reuse must be verified. • UCS project-specific resources are still expanding.
--	--

Where it fits

USE CASE	FIT	FIELD NOTE
Existing Siemens	Best fit	Modernize in phases around verified reusable infrastructure.
Secure IP	Strong fit	Projects prepared to govern BACnet/SC certificates and networks.
Legacy migration	Discovery first	Validate databases, wiring, I/O and controller compatibility.

Owner-advocate question

Which existing Siemens assets still create value, and which reuse assumptions only defer cost or risk?

APOGEE AND TALON RETIREMENT

Siemens retired the APOGEE PXC/TALON product lines effective March 1, 2026, with spare parts for existing installations available through February 28, 2033—subject to availability. Desigo PXC.A supports like-for-like modernization, and existing TX-I/O modules remain compatible, so verified field infrastructure can often be preserved. UCS builds phased migration roadmaps around a field-verified inventory rather than reuse assumptions.

Working with UCS on Siemens Desigo

- 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
Siemens Desigo PXC / modernization	siemens.com/en-us/products/desigo/pxc and /campaigns/desigo-modernization-pathway
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.