



HUMAN-CENTRIC AUTONOMOUS BUILDINGS

Designed for people. **Built for autonomous operations.**

From building data to operational intelligence with a fraction of the traditional effort. Siemens combines AI-Assisted Data Onboarding, standardized connectivity, and expert validation to accelerate activation of Building X services.

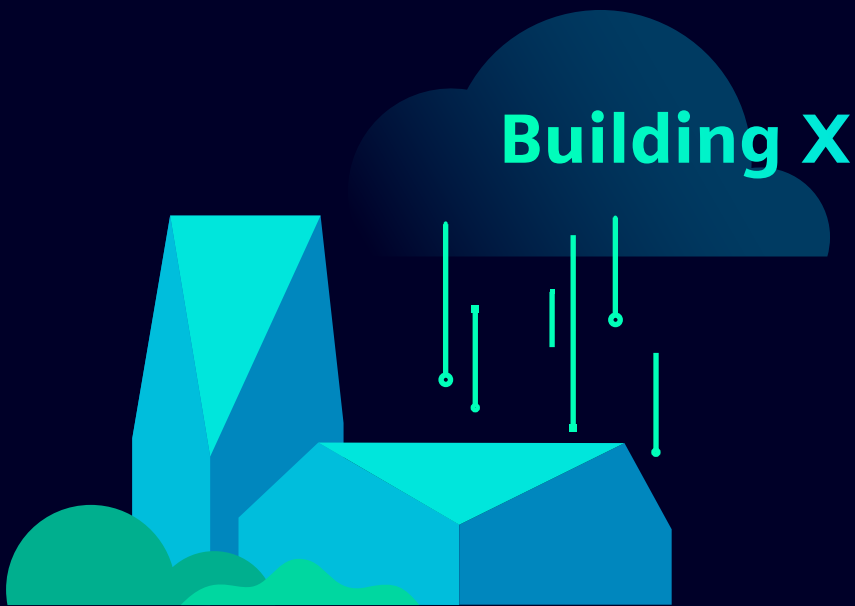
Building data often exists across multiple systems and formats, making it difficult for digital services to understand and use. Siemens combines standardized connectivity, AI-assisted contextualization, and expert validation to transform raw building data into a trusted operational foundation.

The journey to building autonomy starts with connecting the data, then contextualizing it with AI, validating with experts, as well as activating predictive maintenance and prescriptive recommendations.



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02 Contextualize with AI

AI-assisted semantic enrichment adds meaning and structure to raw data, proposing equipment, location, and system relationships. Siemens experts validate and publish a contextualized data model ready for operations and analytics.

Operate and optimize with

Building X



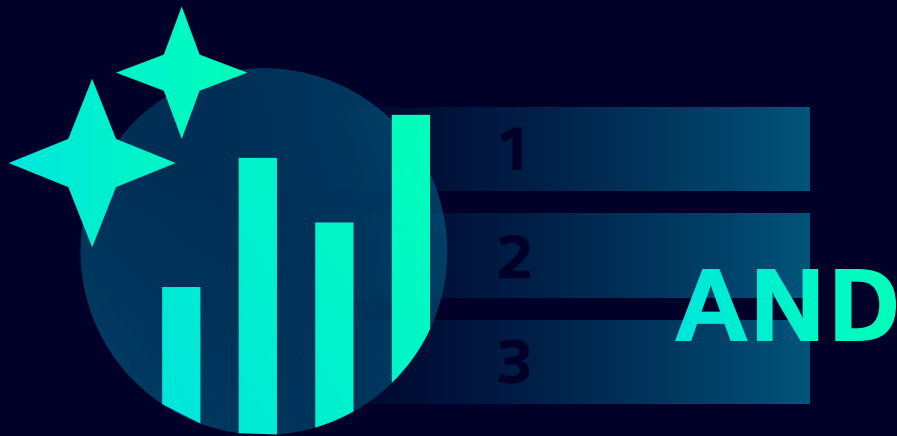
01 Connect & Onboard

Siemens connects building systems to Building X using standardized connectivity across multiple data sources and automated onboarding workflows, creating a trusted foundation for digital services.

03a Advance Asset Performance

Managed Services

Asset Performance Advanced combines AI-driven analytics with Siemens expertise to detect issues earlier, optimize asset performance, and improve maintenance outcomes.



03b Enable Intelligent Operations

Self-Service

Building X Operations Manager and the Fault Triage Agent use contextualized building data and AI-powered insights to help teams identify, prioritize, and resolve operational issues faster.

04 Outcome

Predictive & Prescriptive Maintenance

A connected and contextualized data foundation enables:

- Earlier issue detection
- Predictive maintenance
- Prescriptive recommendations
- Faster issue resolution
- Continuous operational improvement



From building data to **business outcomes**

From building data to operational intelligence with a fraction of the traditional effort. Siemens combines AI-Assisted Data Onboarding, AI-assisted contextualization, standardized connectivity, and expert validation to accelerate the activation of Building X services.



Autonomy that pays off

more than

50%

Reduction in onboarding effort ¹

AI-assisted contextualization and standardized onboarding workflows are designed to significantly reduce manual data onboarding and modeling effort.

An icon consisting of three stylized stars of varying sizes, arranged in a cluster. The stars are white with a slight glow effect.

Reduced manual configuration

AI-Assisted Data Onboarding supports consistent deployment across buildings, including campuses, hospitals, labs and global real-estate portfolios.

An icon showing a server rack with three units. A circular arrow with an upward-pointing arrow is overlaid on the right side of the rack, indicating a process or activation.

Faster service activation

Create the connected and contextualized data foundation needed to realize the value of Building X and digital services sooner.

An icon featuring a checkmark inside a starburst or seal-like shape, symbolizing approval or validation.

Humans-in-the-loop

Confidence-based review workflows help Siemens experts validate AI-generated recommendations before operational data is published and used.

¹ Results depend on source data quality, connectivity readiness, implementation scope, and validation workflow.