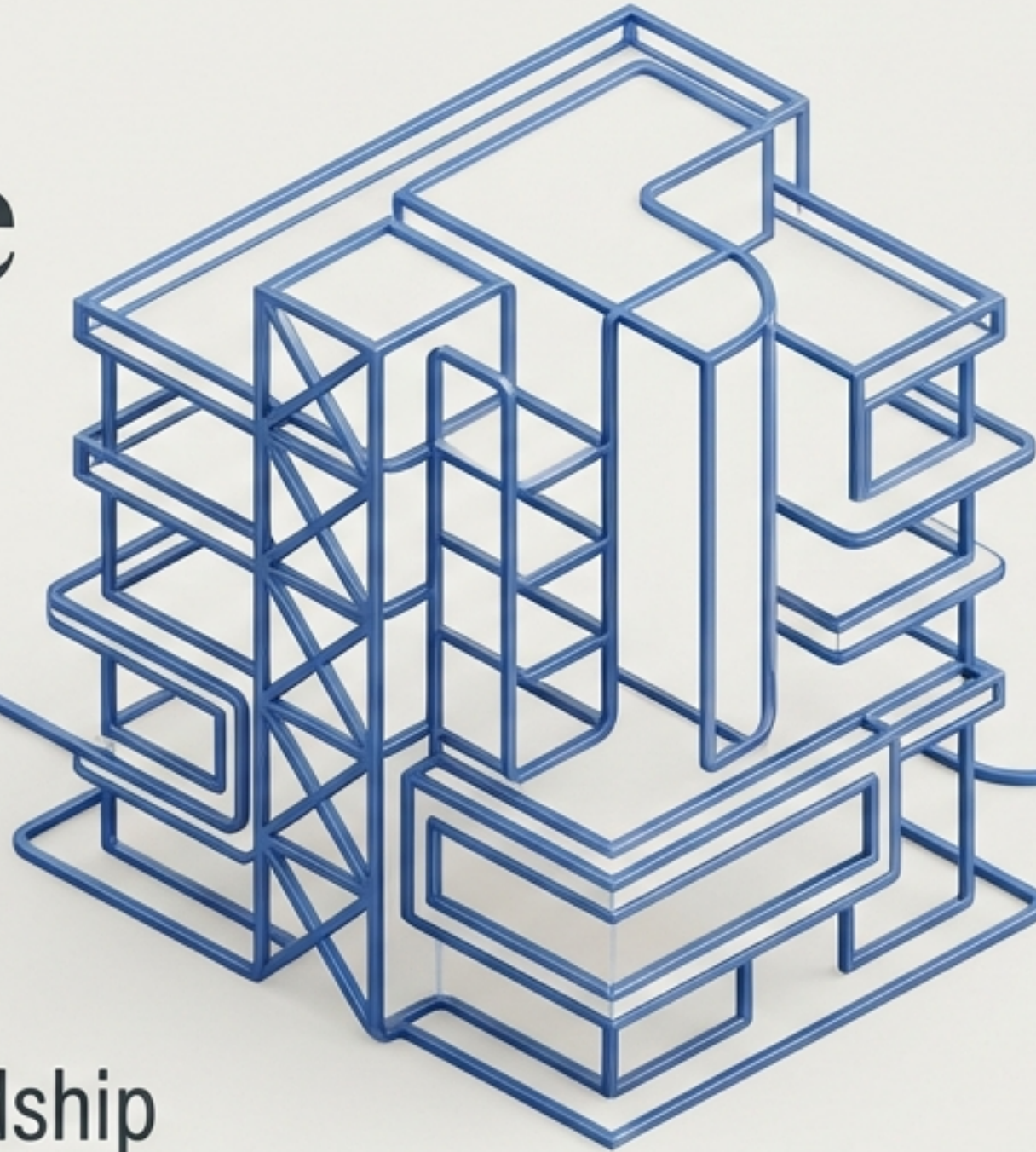
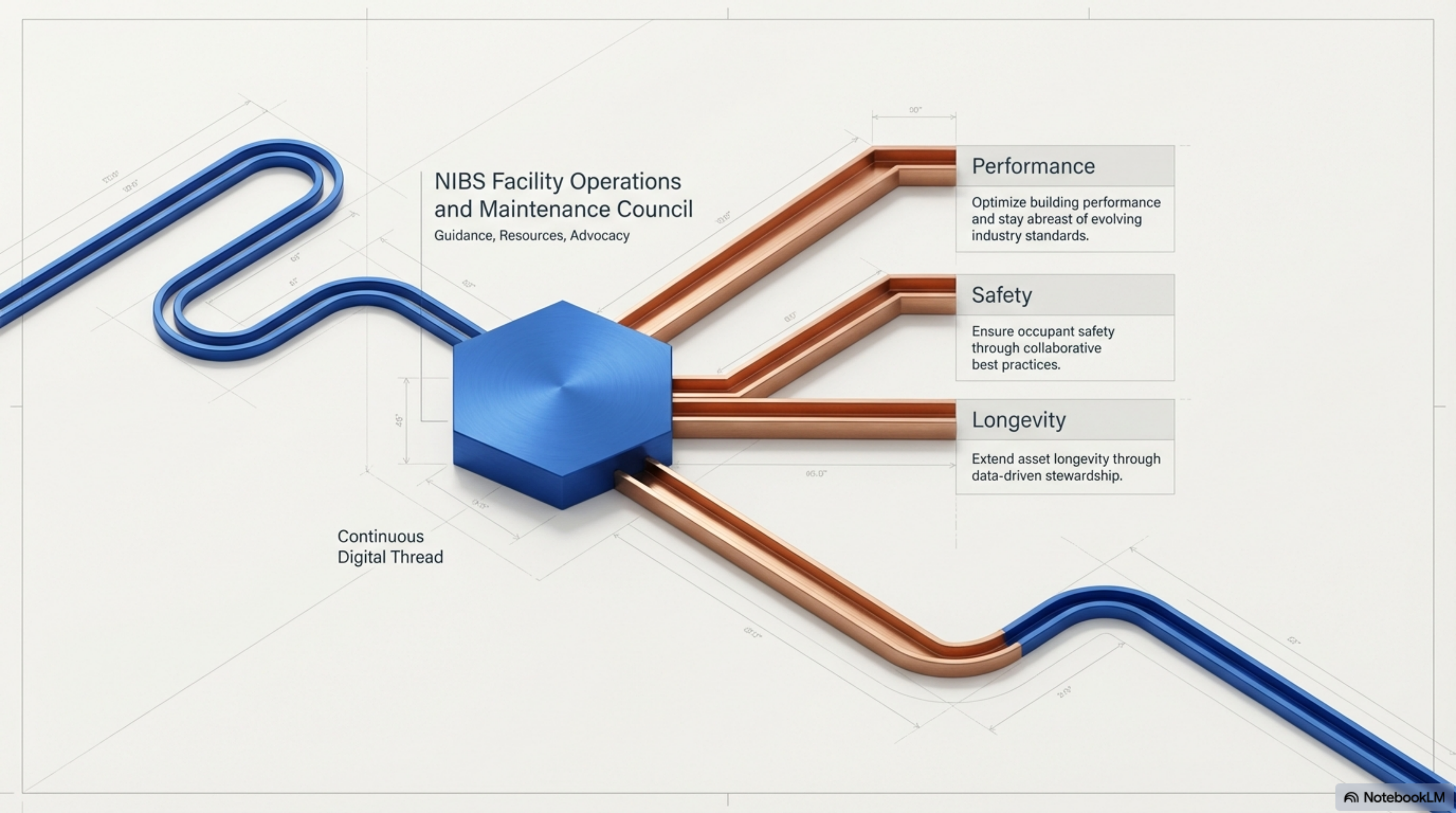


The Lifecycle Bridge

Optimizing Building
Performance Through
Continuous Data Stewardship





NIBS Facility Operations and Maintenance Council

Guidance, Resources, Advocacy

Performance

Optimize building performance and stay abreast of evolving industry standards.

Safety

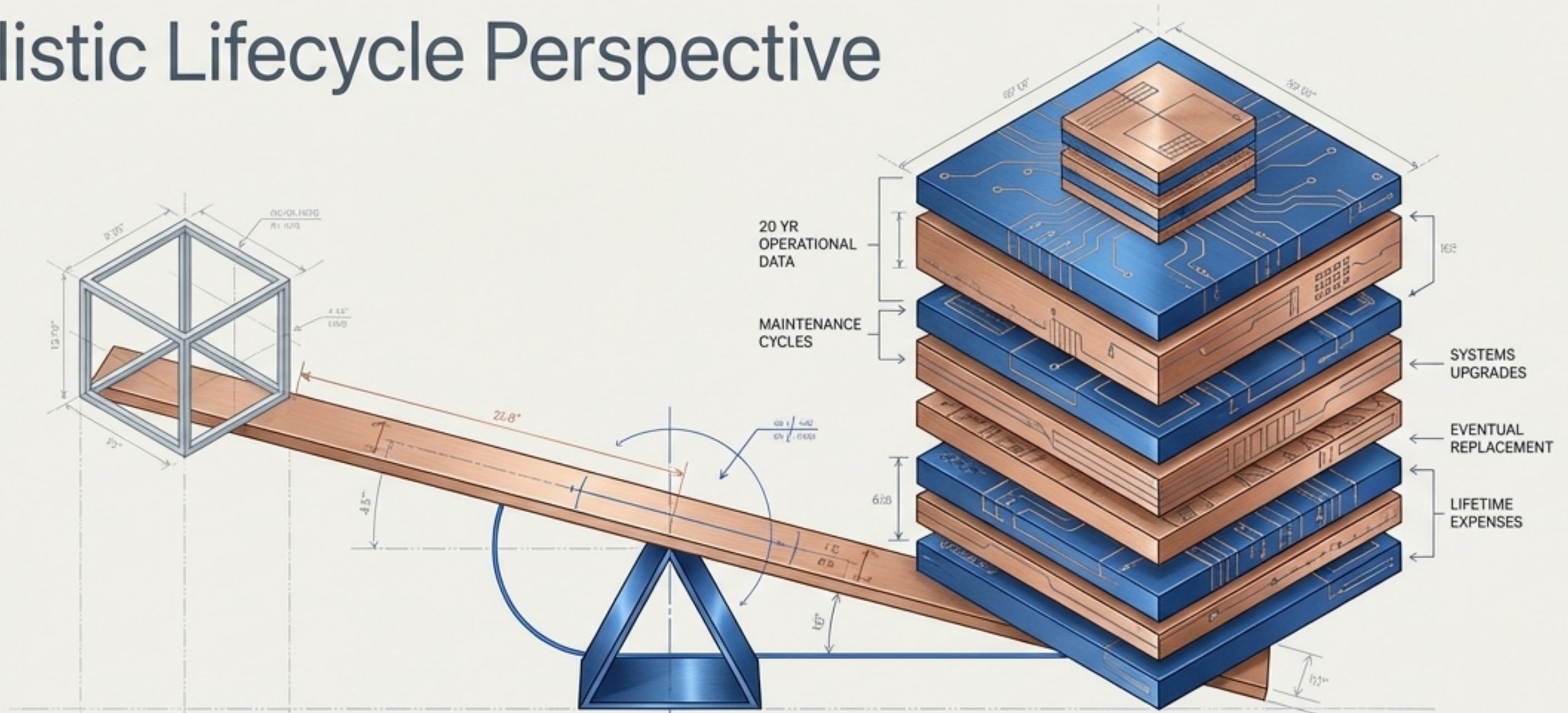
Ensure occupant safety through collaborative best practices.

Longevity

Extend asset longevity through data-driven stewardship.

Continuous Digital Thread

The Holistic Lifecycle Perspective



The Illusion

Focus ending at construction.

Initial Build Costs

The Reality

Planning for maintenance, upgrades, and eventual replacement.

Total Cost of Ownership & Lifetime Expenses

By understanding the asset's life cycle, facility managers make strategic decisions that maximize value, minimize expenses, and avoid unexpected disruptions.

The Setup: Early Data Integration

Guiding development from the earliest stages of building planning

Integrating detailed data during design and construction directly supports asset life cycle management.



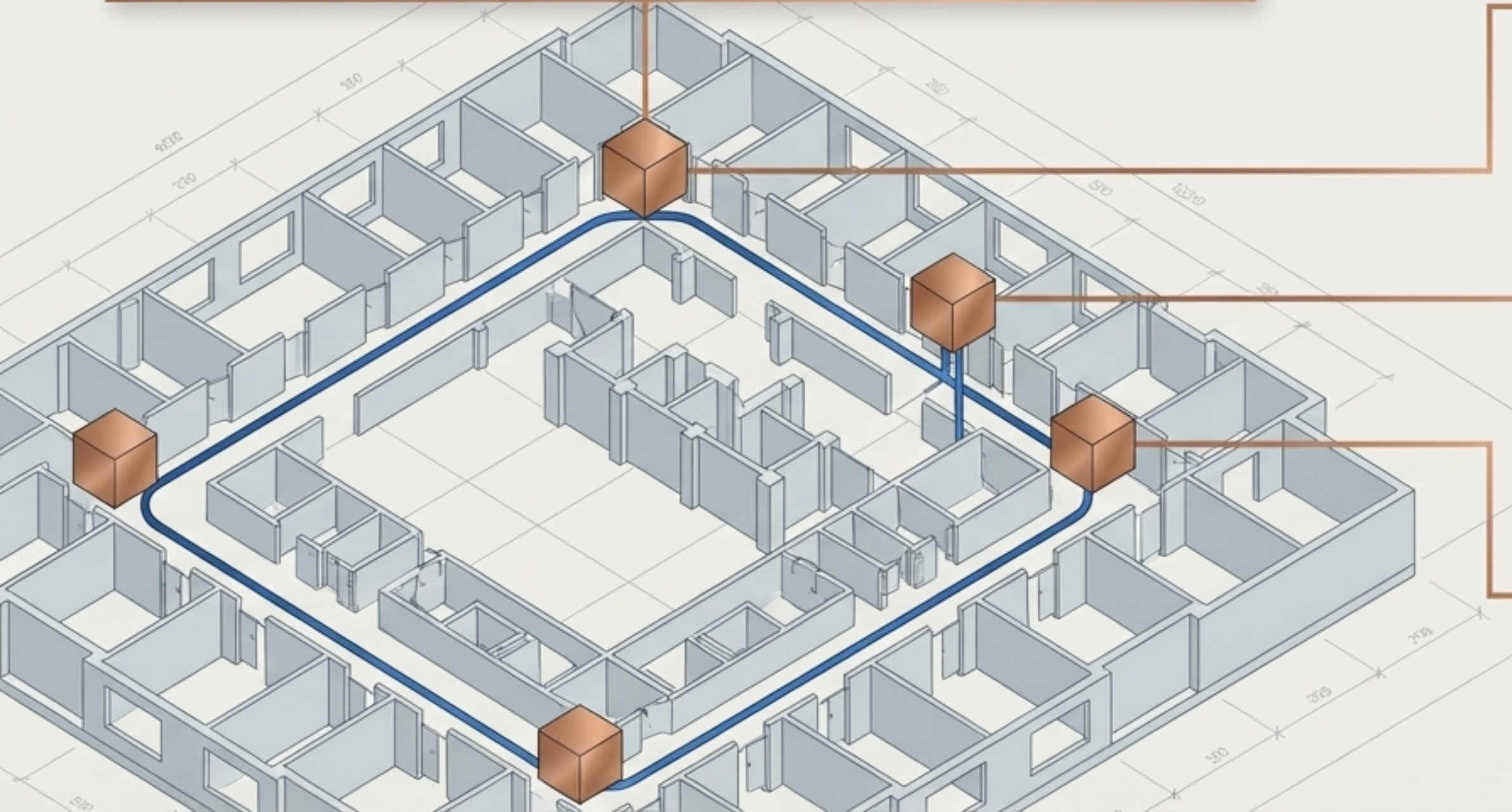
Streamlines troubleshooting



Enables preventive maintenance and scheduling of proactive interventions

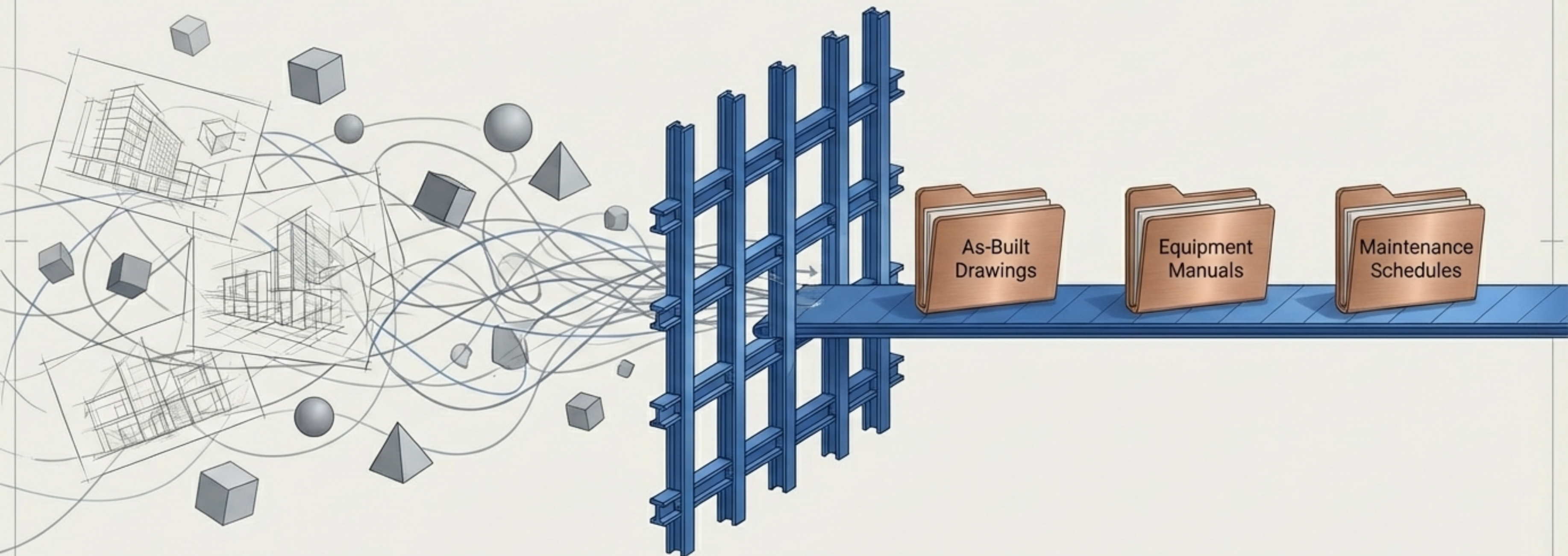


Simplifies future renovations and reduces downtime



The Crossing: The Handover Process

A smooth and thorough transition from construction to operations.



Providing a clear record of assets equips managers with the knowledge necessary for effective long-term stewardship, maximizing efficiency and minimizing unforeseen expenses.

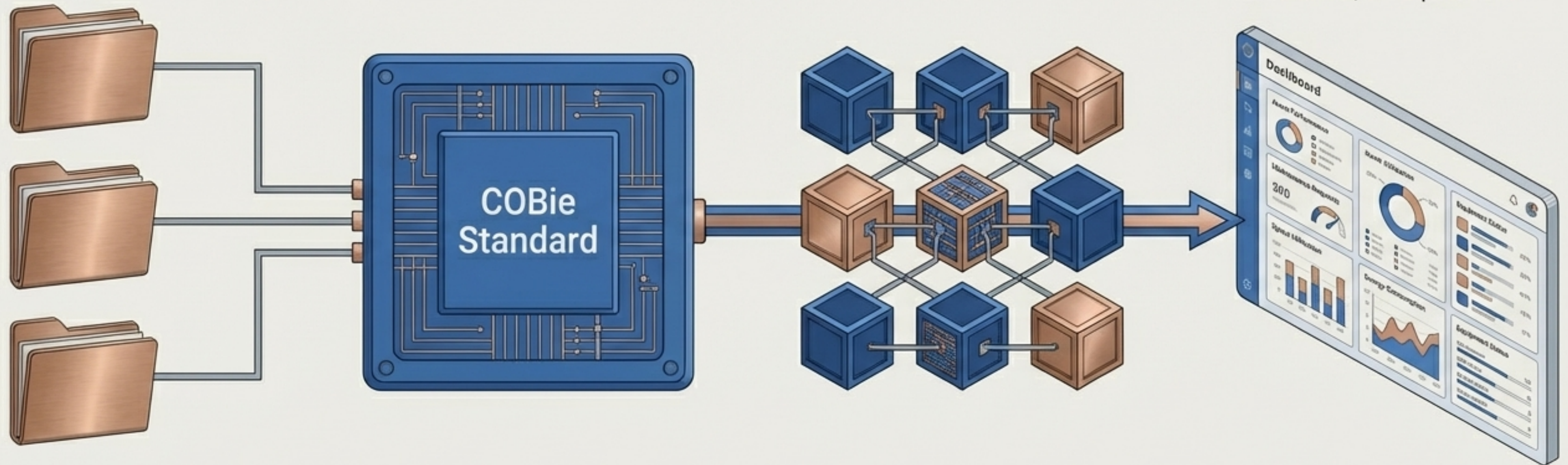
The Standard: COBie (Construction-Operations Building information exchange)

A widely adopted standard for capturing and sharing essential facility data throughout the building's lifecycle.

Input: Raw Facility Data.

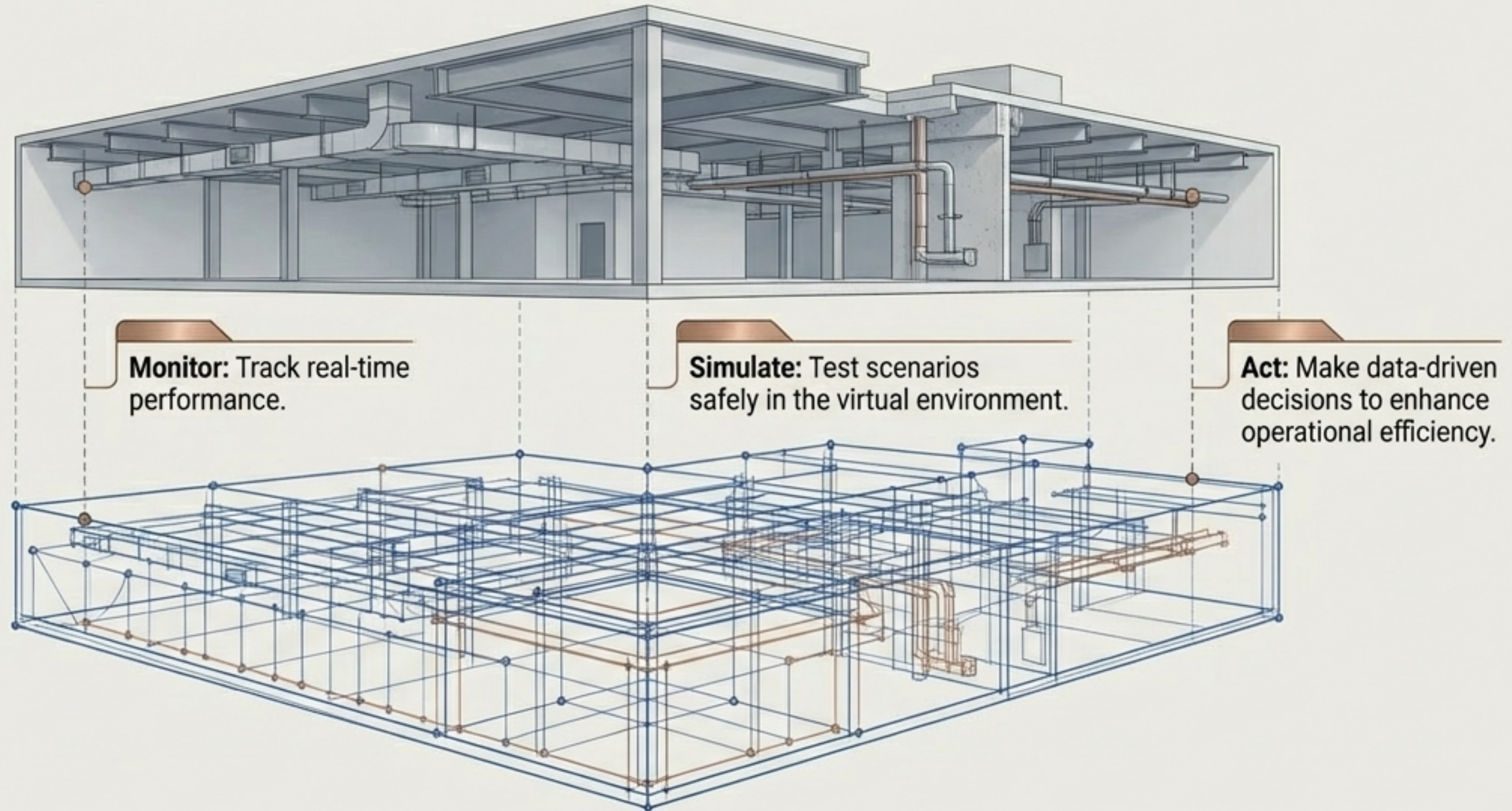
Process: Standardization & Structuring.

Output: Consistent, structured information that streamlines asset management, maintenance, and operations.



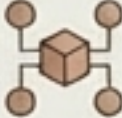




The Apex Tool: The Digital Twin

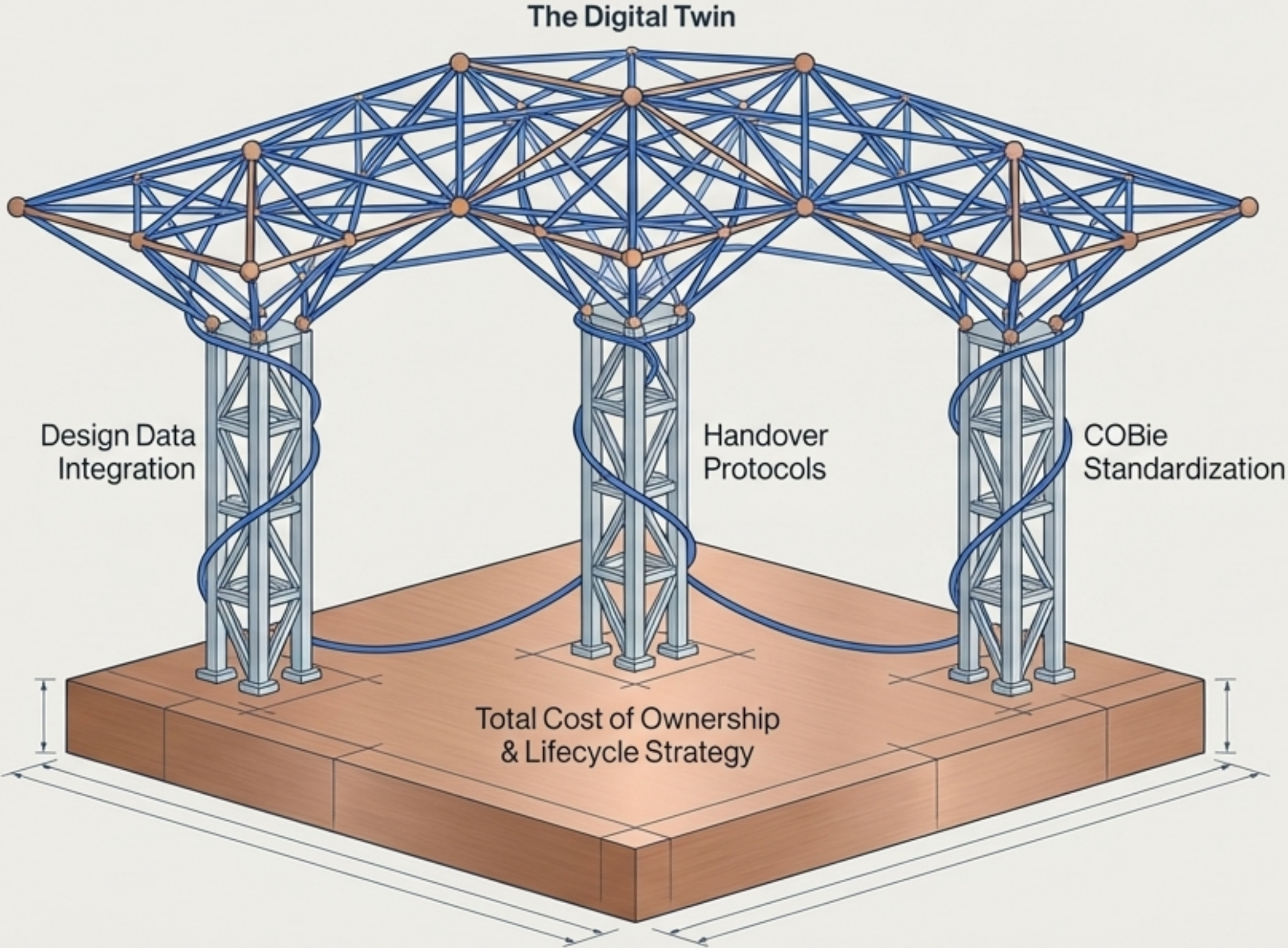
A virtual representation that mirrors the physical building and its systems.



Paradigm Shift: Securing the Asset Lifecycle

Traditional Approach	FMOC-Guided Approach
Scattered, siloed documents.	 Structured COBie Data.
Reactive and incomplete.	 Proactive, comprehensive transition.
Physical inspections only.	 Real-time monitoring via Digital Twin.
Upfront construction focus.	 Total Cost of Ownership (TCO) prioritized.
Break/Fix response.	 Scheduled proactive interventions.

The Complete Stewardship Architecture



The NIBS Facility Operations and Maintenance Council does not just advocate for individual technologies; it provides the interconnected necessary to transform a building from a static structure into a dynamic, managed asset.