



”Your building’s data — unlocked, structured, and ready for you.”

What is iBOS Data Stream?

iBOS Data Stream is a simple way to access the operational data that buildings create — securely, reliably, and in a format designed for immediate use in any existing Business Intelligence (BI) or analytics platform.

Built on the iBOS stack and powered by the secure iBOS Connect technology, it lets facility managers and property teams seamlessly integrate building data into their preferred digital environment without extra engineering, custom integrations, or manual exports.

Why iBOS Data Stream?

One unified feed for all your building data

Consolidate HVAC, energy, alarms, environmental insights, occupancy patterns, and asset behavior into a single, structured data delivery. No more fragmented sources or manual stitching.

Built for BI teams

Data arrives every five minutes - standardized, enriched, and ready for dashboards, analytics, ESG reporting, or regulatory submissions. No scripting or custom formatting required.

Secure by design

iBOS Connect ensures enterprise-grade security: encrypted data transfer, Zero-Trust architecture, role-based permissions, and no open firewall ports — keeping both your building and corporate network protected.

Scales with your portfolio

Whether you manage a single facility or a global property estate, iBOS Data Stream grows with you. Add more buildings, more sensors, or new applications — your data delivery stays consistent and predictable.

Key Values

Secure by design iBOS Connect ensures enterprise-grade security: encrypted data transfer, Zero-Trust architecture, role-based permissions, and no open firewall ports — keeping both your building and corporate network protected.

Future-ready architecture As new building services, sensors, or iBOS applications are added, your data asset updates automatically. No rework, no rebuild — just more value.

Remove complexity, increase insight Facility managers get more time to act on insights instead of preparing data. BI teams get clean streams they can trust. Leadership gets clearer visibility, faster.

How It Works — Condensed Technical Description

iBOS Data Stream collects building data that is using BACnet by communicating with controllers to read temperatures, valve positions, occupancy states, energy meters, and more. A centralized workflow engine coordinates the entire data pipeline. A worker process opens a secure, temporary tunnel to each building site, collects all BACnet object values from the local device, and repeats this on a recurring schedule. After collection, the raw data is transformed into a unified, consistent structure and stored in a distributed, time-series-optimized database designed for high scalability.

A high-performance API layer then serves this structured dataset using a clear hierarchy of Projects → Devices → Objects → Trending Data.

Who is it for?

- Facility managers who want frictionless access to operational building data.
- BI/analytics teams looking to integrate building performance into existing dashboards.
- Portfolio owners needing scalable, secure data delivery across multiple assets.
- Organizations preparing for ESG, sustainability, or compliance reporting.