DATA MANAGEMENT & VISUALIZATION PLATFORM

Connexxion® by Lynxspring is a Cloud-based data layer solution. This data management and visualization platform delivers data connectivity, interoperability, curation, normalization, modeling, tagging, identification, storage, and API integration. Connexxion enables a user-defined, real-time view of your HVAC control systems' energy utilization and operational performance all at your fingertips from a common dashboard.

Leveraging data from your smart building's BAS system, equipment, and connected devices, Connexxion, provides a single platform to analyze, monitor, and control data access and exchange. Using Connexxion, data is cleansed, disparate data sources are unified, technologies are integrated, heterogeneous networks are bridged, legacy and new technologies can be integrated seamlessly, and stakeholder-centric applications rapidly deployed.

Connexxion enables capitalization of current data trends relating to the performance of facilities, building systems and equipment assets across multiple domains, all within a cyber-secure and user-friendly dashboard environment.

It provides a single and coherent management environment giving users the ability to manage/optimize performance, extend equipment life cycle, save energy, reduce carbon footprint, identify faults or abnormalities, and diagnose issues. It also enables users to deploy smart energy practices simply and efficiently such as analytics, KPIs, automatic demand response, alerts, fault detection and predictive outcomes to make real-time decisions and data driven calculations.

Combining the core functionalities of IT and OT along with Haystack tagging, data modeling and RESTful APIs, Connexxion is compatible with any application.

The platform provides a complete suite of services and APIs to capture data from disparate sources. Typical applications include analytics, DCIM, CMMS, BMS, energy management, data lakes, weather services, utilities, and IoT devices:

- Haystack Compliant API *(Haystack API)*
- JSON Compliant API *(CX API)*
- Data Ingestion and Synchronization Supporting and CSV
- Data Export Supporting Haystack, CSV, Excel, Zinc & JSON
- Weather and Utility Data Ingestion
- Analytics Engine: SkySpark® by SkyFoundry
- Reporting and Alerting Engine
- Data Quality Management *(missing, failed & data error)*
- Project Creation and Management
- User Creation and Management
- Database(s) Management
- Analytic Dashboards Interface Support *(i.e., Tableau)*

Benefits and Value

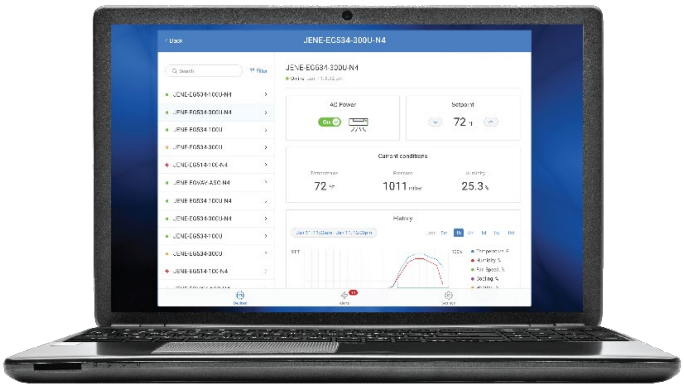
- Provides building owners/operators with normalized and modeled data across disparate third-party systems.
- Scalable, open standards, flexible/modular frameworks, and an open-source data structure.
- Supports multiple open protocols and open API's *(support for available and future applications).*
- Fully compatible with existing infrastructure *(integration into corporate IT management systems).*
- Allows data curation to effectively organize and integrate data collected from multiple systems, devices, and formats.
- Analytics engine brings data together in one centralized database making real-time analytics more efficient.
- Provides a hardware normalization layer that streamlines the integration into facilities.
- Creates an open architecture that facilitates the creation of custom applications.
- Enables data transparency, with scalable and secure solutions and flexible deployment models.

Features

Connectivity	YES	Connect to Third Party Data	YES
Data Normalization/Transparency	YES	Support for Multi-Applications	YES
Connection to Disparate Systems	YES	Benchmarking	YES
Advanced Analytics Engine	YES	FDD	YES
Access to Actionable Data	YES	M&V	YES
Integrated Analytics	YES	Alarms and Alerts	YES
Secured Data Capture & Exchange	YES	Tagging and Data Modeling	YES
Build on IT Framework and Standards	YES	Flexible Engagement Models	YES
Data Aggregation	YES	Cloud to Cloud	YES

Advantages

- Pinpoints and organizes data output from various systems and equipment.
- Data belongs to you with easy access and is never held hostage.
- Built-in tagging and semantic data modeling
- Available as a SaaS, enterprise, Cloud, Cloud to Cloud, or on premise.
- Integrated database security, replication, and fault tolerant.
- Use AWS for highly secure authenticated remote site connectivity to simplify multi-site portfolio management.
- Data tagging and data sharing *(fully documented APIs, easy inclusion of new datasets, integration with third-party software applications and import/export of ray and processes data).*
- Database backup without service interruption.
- Collects structured/unstructured data from a range of sources integrating and storing the data.



Data Architecture

Connexxion is a SaaS or cost-effective enterprise platform that simplifies and efficiently deploys a new generation of third-party smart building applications such as analytics, measurement/verification, fault detection/diagnostics, and predictive maintenance. Connexxion, was developed with proven industry-recognized open-source components that are seamlessly integrated and comply with best practices to mitigate risks such as obsolescence, maintenance costs, and technology lock-ins/lockouts.

The high performance and flexible attributes of Connexxion ensure large amounts of data from various source systems is readily available with no single point of failure and is scalable to allow a limitless database size. The core attributes align with our customers' needs of a robust and flexible platform providing optimal distribution, redundancy, failover, and disaster recovery.

Professional Services

Lynxspring's Professional Services team provides a portfolio of services related to our Connexxion platform. Let our Professional Services team assist you with:

- Strategic Advisory and Deployment Services
- System Configuration and Design
- Dashboard Development and UI Design
- Driver and KPI Development
- Training and Certification
- Application Engineering and Commissioning

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