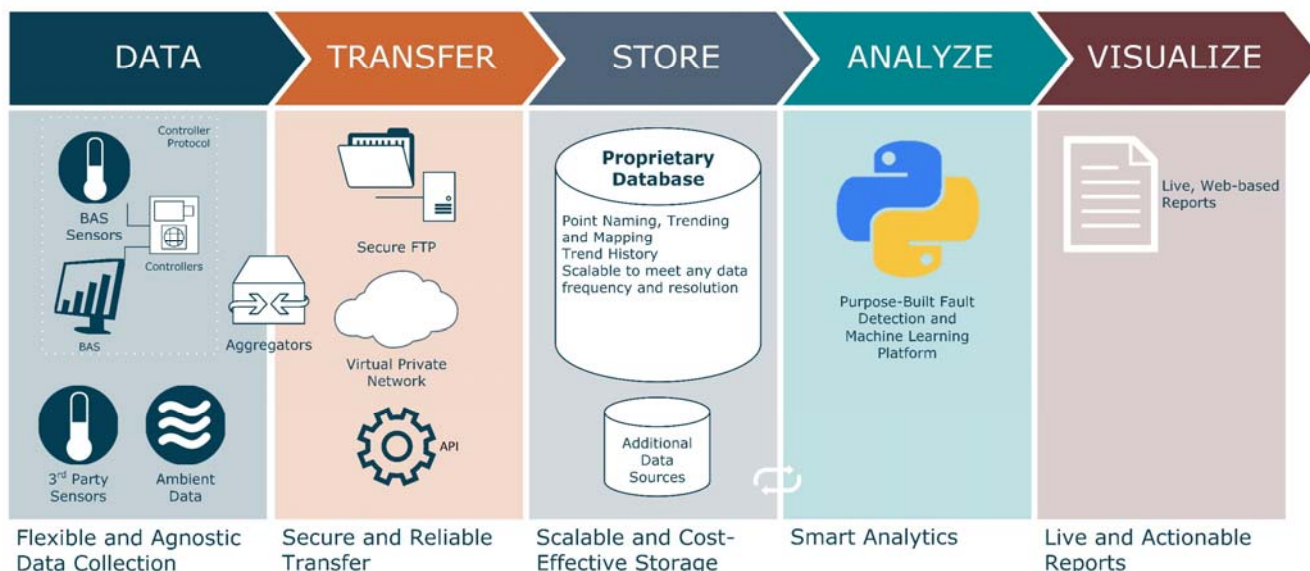


Data Management Model

McKinstry Data Management Model



Data

McKinstry has built a library of over 50 integrations to common building automation systems, meter systems, and proprietary control or sensor networks. Our technologies are designed to work with existing building technologies already in place. We take a technology-agnostic approach to getting data. That means we don't require new sensors or black-box aggregation devices but instead leverage existing building automation systems, lighting control systems, stand-alone third-party sensors and CMMS data. We also have a process for rapidly integrating with unique systems in a streamlined and reliable method.

Transfer

The data flow is at client direction and can be through client network infrastructure or independent, leveraging cellular networks. Data can be sent in a multitude of ways from email to virtual private network to secure web-based API. We work with clients to understand their security and privacy requirements and then apply best practices to achieve our collective goal of unlocking data.

Store

Data lands in our database where it is named and tagged with key information. The data belongs to you and is available at all times. Our database provides structure to the data to streamline reporting and provide data validation.

Analyze

Data is run through our analytics engine and reviewed by analysts that understand the building and systems involved to filter the issues or anomalies and reduce the number of false alarms. This technology + human approach leads to a prioritization of issues and hands-on support to resolve identified issues. Many analytical solutions treat data generically and therefore, give generic recommendations. Our systems experts take time to understand the data streams and set thoughtful, appropriate fault detection thresholds.

Visualize

We leverage a flexible reporting platform to create unique KPI reports based on specific user needs. We can integrate to other data sources to make reports more valuable.