



Project Haystack for Designo Optic Building Management Software

Liberate real-time data with Project Haystack semantic tagging for better data management and decision making

Building systems create valuable data that hold the keys to unlocking new levels of building efficiency, productivity, comfort, indoor air quality (IAQ), and health. Designo Optic applies Project Haystack for standardized, semantic tagging to help simplify, analyze, and visualize that data, ultimately helping you optimize your building operations.

Scenario

- A facility manager needs a cohesive view of building operations and performance, but depends on a variety of information sources to analyze and interpret data
- A key priority for this organization is to optimize the indoor environment and have a positive impact on occupant health, comfort, and productivity
- The facilities manager recognizes the importance of aggregated data analytics to achieve this objective

Challenge

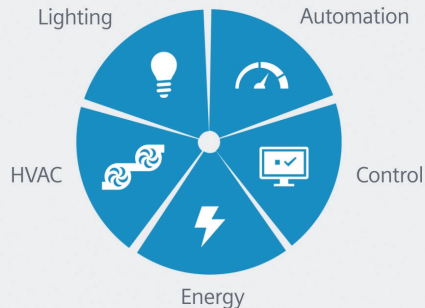
- A variety of onsite vendors, equipment, devices, and systems, with their own unique data naming and tagging conventions, make it difficult to exchange and analyze data that flows from a wide range of sources
- Traditionally, each building project was configured uniquely, forcing facilities teams to remember which name was associated with each device
- Moreover, most operational data today has poor semantic modeling and therefore requires a labor-intensive, manual process to make it more informative

Highlights

- Aggregate and interpret data from various sources and devices
- Preconfigured logs and templates offer consistency and streamlined integration
- Focus on simplicity and ease-of-use
- Leverage cloud technology to ensure secure, remote access from any device

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Project Haystack helps make semantic tagging even easier with a **standardized, open source** approach.



Why semantic tagging?

Semantic tagging helps normalize your data with standardized tags that tell you what the data represents. Thus, Haystack enables your data to be more easily recognized – which supports enhanced troubleshooting, analytics, and decision making.

Solution

- Semantic tagging using the Project Haystack standard enables Desigo Optic to decipher the data that flows into the building automation system (BAS) from each system and piece of equipment
- Standardized, open-source conventions apply tags to raw data, which the BAS equipment and points generate, to empower Desigo Optic to understand each data point's role in the system and bring context to the analysis and interpretation
- A point library database automatically applies tags to existing point names, making it easier to recognize and leverage this data
- **Speed and ease of implementation** – Native Haystack tagging and data modeling enable significantly faster implementation, engineering, and commissioning of Desigo Optic; preconfigured logs and templates offer consistency and streamlined integration
- **Enhanced data management** – By properly managing data through Project Haystack, Desigo Optic can easily discover and understand building data
- **Improved building performance outcomes** – Once tagged, Desigo Optic can apply real-time data analytics for better, faster decision making to improve building operation for optimum health, safety, and comfort

Benefits

- **Streamlined workflows** – Semantic tagging is an automated, rather than manual process, that can streamline workflows and save hours in aggregating and managing data
- **Strategic maintenance approach** – Data visibility enables a more proactive, data-driven approach to BAS maintenance of building assets and equipment; and, with access to more data, building operators can reduce troubleshooting and maintenance time



For more information,
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