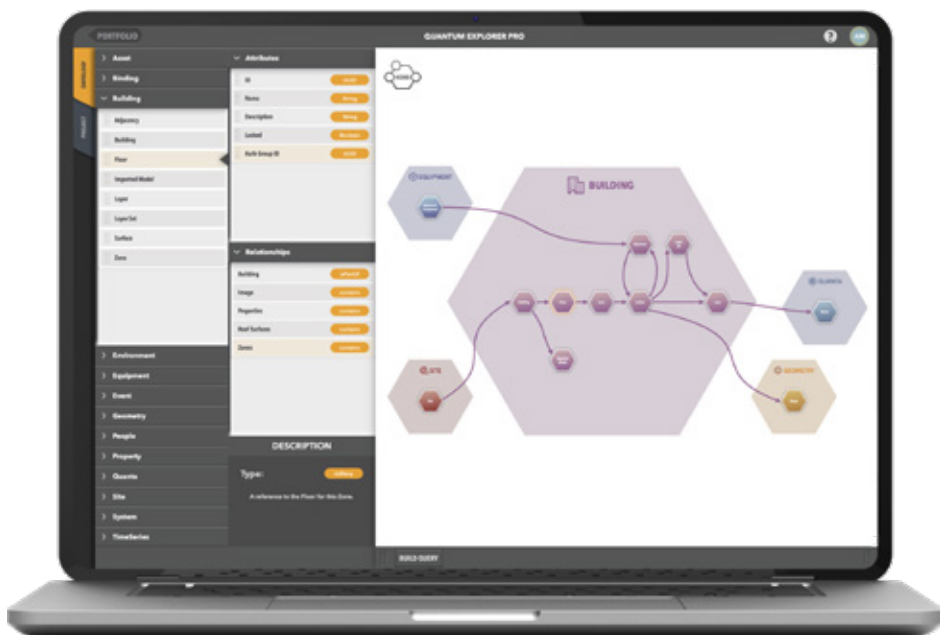




**A Visual Guide to Quantum. A High-Level Open API for Buildings.**

# PassiveLogic Insights

The building industry is one of the largest in the world, yet it lacks a high-level open API and developer tools to make custom, affordable integrations. Enter the Insights™ application, Qortex AI™, and the Quantum API™. Insights provides a hierarchical visual guide to the domains, objects, and relationships in the Quantum ontology. It introduces users to the open Quantum™ Standard so they can leverage building data like never before. Insights enables non-programmers to query and inspect Quantum models and access digital twin AI inferences. Integrated Qortex AI lets you converse in natural language, generate custom charts, and task AI agents to work in the background. For developers, the Quantum API finally provides an integrated development environment (IDE) to create next-gen applications for digital twins. It's time we scale the industry for the growing need of PropTech, ConstructionTech, and ClimateTech for simple, data-rich integrations for the built environment.



## **A Visual Building Ontology. Navigate and Explore.**

The Insights application provides a visual map of the built world—from a building's materials, to equipment, people, campuses, weather—and the relationships among all of them. You can dive into different layers of the interactive graph, choosing the level of focus most useful to you, and view the physics-based data types of the Quantum standard. Navigate Quantum domains, objects, and relationships within the hierarchy, visualize them as a graph, or ask Qortex questions about the model in natural language.

## **Query the Ontology. Quick, Real-Time Answers.**

Visually build queries in seconds just by dragging and dropping Quantum components from the map or hierarchy into the Query Builder. Chain queries together to extract complex information contextualized just how you want. Use Qortex to write queries for you while transparently documenting how it explores the model so you can follow along. Since Quantum digital twins are direct representations of their real-world counterparts, the information in the app always reflects the real-time state of the building.





# PassiveLogic Insights

## An Open Digital Twin Coding Environment.

### Write Once, Deploy Anywhere.

Generate code in GraphQL and use the visual IDE in Insights to interact with the open Quantum API. Developers can write once and deploy everywhere, eliminating the need for expensive one-off integrations just to enable analytics, ESG reporting, or corporate operational software for a stand-alone project. The Insights application also tests your code, features a visual debugger for development, and provides object name autocomplete.

## DIY Apps and Solutions.

### The Marketplace for the Built World.

You can develop against a suite of example or existing projects and apply those queries to any building within a portfolio. This makes it easy to build universal services and 3rd-party apps with the open Quantum API. Anyone can deploy solutions to customers and manage subscriptions. For in-house use, you can keep customized corporate services private, accessible only to those within a specific organization.

## Goodbye Model Training. Hello AI Inference Answers.

With a complete digital twin model in place, the Insights application can provide information about objects and relationships within the ontology that cannot be directly measured. For example, we can infer the temperature in a space with no sensor by using the recorded temperature from an adjacent room and the physics of building thermodynamics to calculate an approximation. This inferred value is then queryable through Insights, like all parts of the Quantum model. Now you can have full visibility into your assets, even where you don't have full sensor coverage.

