



**Design, Engineer, & Build. Generate Autonomy.**

# PassiveLogic Creator

With the Creator™ app, PassiveLogic® is reinventing how the built environment is designed, engineered, and realized. Together with the PassiveLogic software suite and the open Quantum® Standard, it is now possible to quickly describe a building and its systems as a physics-based digital twin, enabling any building to become fully autonomous. Creator helps you generatively model and engineer HVAC and control systems, visualize network diagrams, generate wiring schematics, and create take offs and BOM (bill of materials) reports. It also eliminates months of programming, commissioning, testing, and user-interface creation, turning these complicated processes into just minutes of work. PassiveLogic is creating the future of building lifecycle management. Buildings are no longer passive structures but are autonomous robots that adapt, learn, and optimize themselves in harmony with both the environment and their occupants.



## **Design & Engineer. AI from the Ground Up.**

Creator enables users to design custom autonomous systems from the outset, seamlessly integrating building design and systems engineering, and allowing modeling of performance with unparalleled accuracy. Unlike other approaches, the same digital twin is used through every phase of the project lifecycle. Model the building by quickly scanning the space with the Lens™ iOS app, tracing or drawing in Blueprint™, or generating with Qortex™ AI. From there, Creator's drag-and-drop interface makes it easy to assemble systems using prebuilt digital twin equipment libraries. Real physics relationships and connections are generatively added to the model as you snap the systems together visually. Once the building and its systems are defined, Creator auto-generates the interactive network diagram.

## **Build, Commission, Test. Prepare to Deploy.**

When your design is complete, Creator generates a full bill of materials (BOM) and lets you buy everything you need in one click from PassiveLogic's distributor partners, saving hours of parts requisitioning. Creator guides installation of the PassiveLogic Hive™ and provides auto-checking of I/O. The network diagram can be accessed right on the Hive touch screen, letting users drill down to every I/O contact and resolve issues in real time—often without rewiring. Commissioning is automated and made incredibly fast by leveraging the system's Quantum digital twin models. It includes automated documentation, generative testing procedures, and the ability to quickly identify and report any discrepancies between the digital twin and the as-built system. Before deployment, Preflight mode validates everything for confidence at launch. Creator empowers you at each stage and democratizes access to autonomous building control.





# PassiveLogic Creator

**Digital Twin Construction**

**Environment Mapping**

**Generative Sensor Placement**

**Floor Plan Tracing**

**IOT Location Modeling**

**Any Building**

**Rapid Project Costing**

**Automatic Commissioning**

**Fault Detection**

**AI Digital Twin Generation**

**Equipment Selection**

**System Design**

**Any System Controls Design**

**Engineering Analysis**

**Design Checking**

**Automatic Control System Design**

**Generative Controls**

**Wiring Analysis**

**Automatic Project Takeoffs**

**Automatic Point Mapping**

**Generative Network Design**

**Sensor Mapping Analysis**

**Self Healing I/O Mapping**

**Physics-Driven Commissioning**