

EcoDomus

Digital Twin for Buildings and Infrastructure

ECODOMUS: CAPABILITY DESCRIPTION

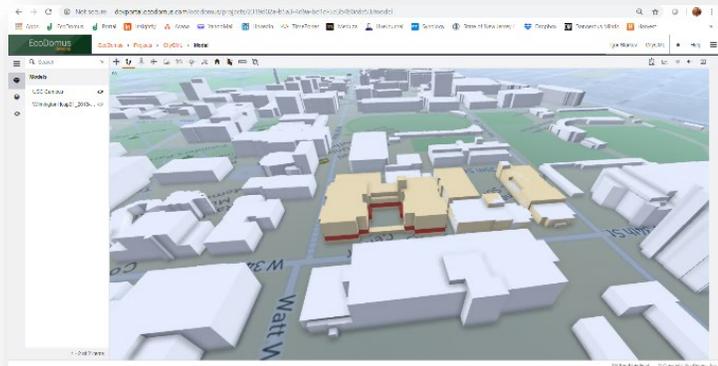
EcoDomus software provides a virtual copy of a building or an infrastructure asset for remote analytics and decision making:

- Manage asset data from design & construction to operation & management;
- Integrate assets with sensors in 3D/2D viewer, Mobile 3D on Tablet PCs, Documents & Issues management, Point Cloud viewer;
- Increase response speed, operation planning, reduce risk, use for virtual models for workflows simulation & staff training.

Moving from this:



To this:



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MISSION-RELATED USE CASES

EcoDomus Portal is a virtual environment for Building Sensor Suite users to see and receive real-time alerts and historical sensors' data associated with building assets, occupant locations, and hazard detections.

Use cases may include:

- Federal Facility Security & Emergency Planning
- Protectee Protection Planning
- Protective Security Coordination of Critical Infrastructure
- Protecting Intermodal Transportation Systems



PRODUCT SPECIFICATIONS

The software can be deployed on-premises or in the cloud. Integrations via web services with ERP/FM/GIS/SCADA systems. The viewer is browser-based, no plugins required. The technology also includes a mobile app for iOS/Android; Configurable workflows.

SCITI LABS

The SCITI Labs program is a collaboration between the U.S. Department of Homeland Security (DHS) [Science and Technology Directorate](#) (S&T) and its industry partners to develop smart technologies for public safety and related missions. The program focuses on adapting commercially viable products to meet mission needs in three areas:

- **Smart Buildings**, including sensors and communications;
- **Unmanned Aerial Systems** for indoor and outdoor search and rescue; and
- **Mobile SmartHubs**, combining communications & sensors to increase situational awareness

EcoDomus is one of the Smart Building technology performers for SCITI labs.

DHS S&T Contact: SPTechnologyCenter@hq.dhs.gov

For more information on EcoDomus, visit: www.ecodomus.com

