Smart Building Expo: Building vs City

J2inn.com

J2INNOVATIONS
A Siemens Company

J2 Innovations at a glance

We are the creators of the leading edge software platform for smart buildings, smart equipment and IoT

- Founded in 2008

- Creator of FIN Framework, latest release is FIN 5.1

- Co-founder of the Haystack community

- With more than 50k+ instances in more than 20 countries worldwide

- 25 OEMs, 9 distributors, 3,500+ community members
  and actively growing every day

Project **Haystack**
Founding Member

Keeping up with software requirements for smart buildings, smart equipment and IoT

Mobile friendly
Control buildings and equipment from any device

UX design
Intuitive engineering and operator workflows

Data management
Optimized for analytics and data visualization

Openness & IoT
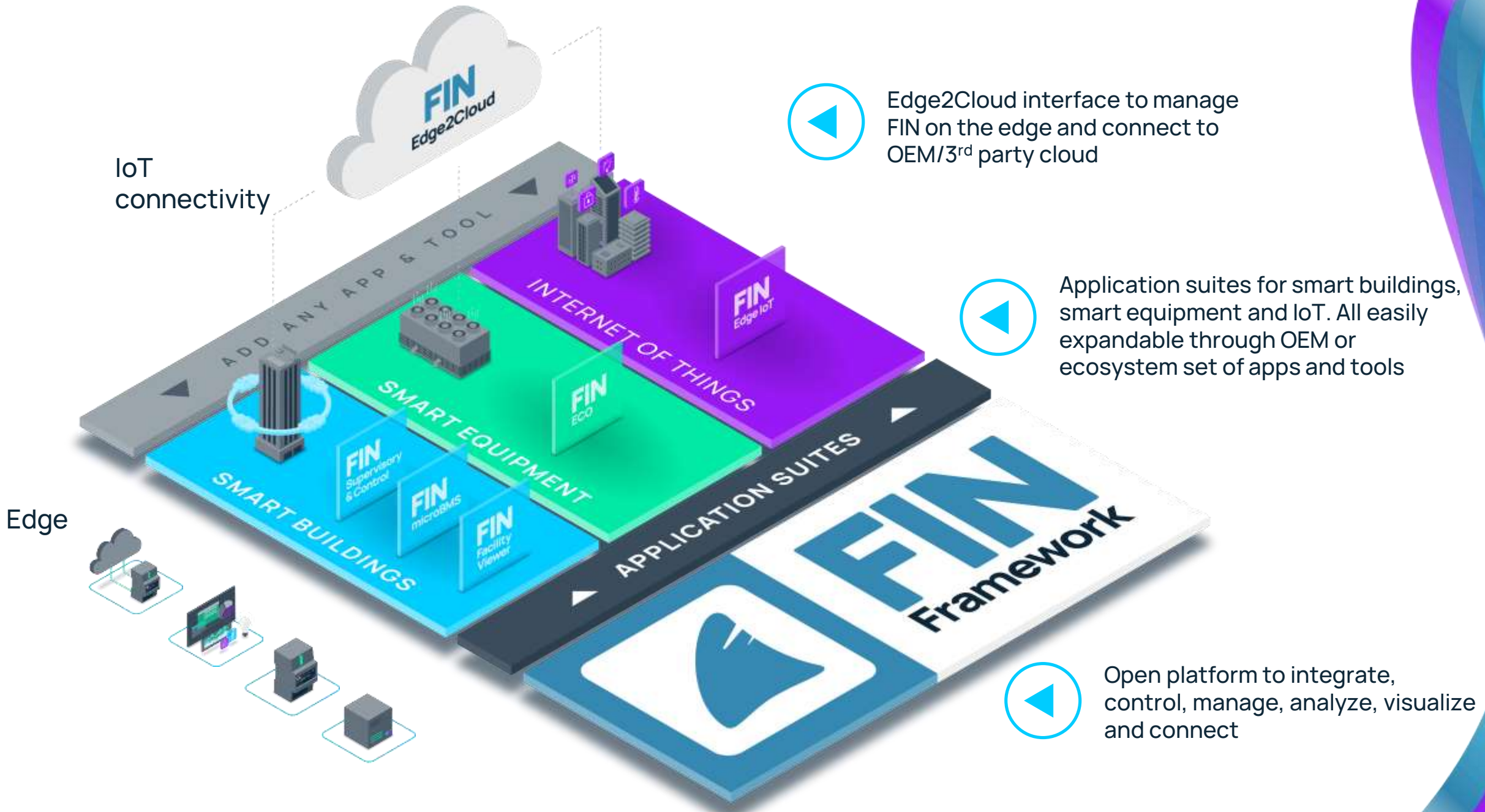Integrate any device, easy data transfer to cloud applications

Extensibility
Continuous supply of new value adding apps

Cyber security
Security by design, continuously evolving

IoT connectivity

Edge

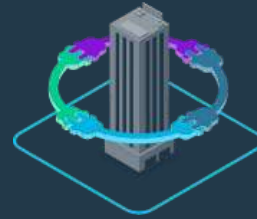Edge2Cloud interface to manage FIN on the edge and connect to OEM/3rd party cloud

Application suites for smart buildings, smart equipment and IoT. All easily expandable through OEM or ecosystem set of apps and tools

Open platform to integrate, control, manage, analyze, visualize and connect

Tackle new digital technologies with FIN Framework

- Single software platform for both management and control of smart buildings, smart equipment and IoT
- Optimized for use on desktop, tablet and smart phone
- Natively based on Haystack tagging and data-model standard

Project Haystack
Founding Member

Integrate
FIN is an integration framework supporting multiple protocols with a simple plug'n'play configuration wizard
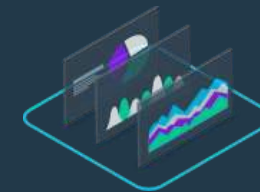
Control
FIN has a logic builder for system control and smart alarms

Manage
FIN has a full application suite for operation and monitoring

Analyze
FIN has built-in analytics modules and an open analytics framework

Visualize
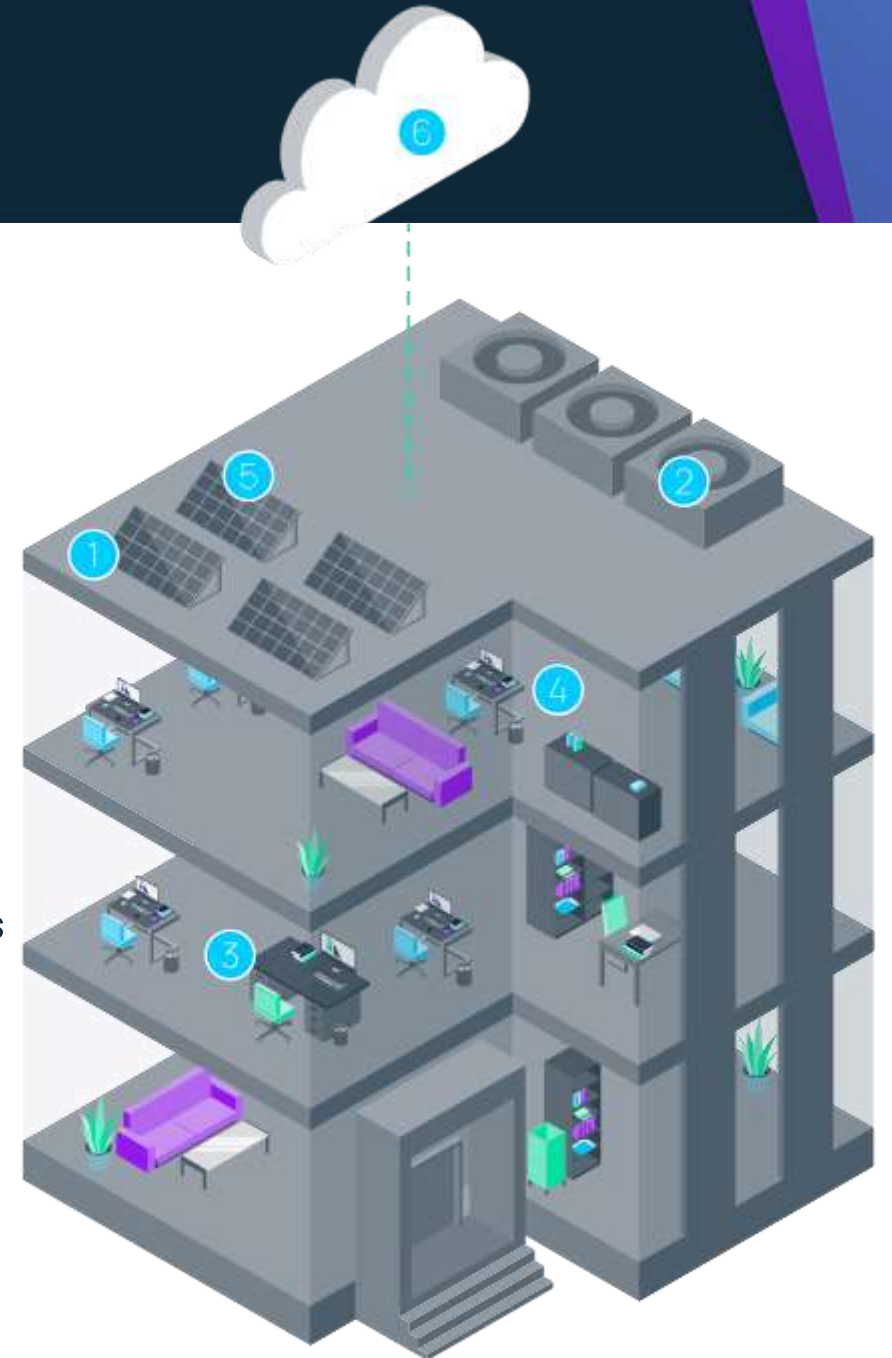FIN has a range of dashboards, reports and document management

Connect
FIN has secure edge management via Edge2Cloud and integration with 3rd party IT / Cloud

FIN Supervisory & Control

1. **Integrate multiple systems**
   Support for all the open protocols commonly used in buildings including BACnet, Modbus ,KNX & MQTT

2. **HVAC**
   Connect, manage, control and visualize a range of HVAC solutions with built-in templating and configuration

3. **Energy & power management**
   Manage power and energy performance with customizable dashboards and reports

4. **Lighting & shading control**
   Easy integration of lighting and shading applications for simple operation such as scheduling and zone settings

5. **Renewables**
   Integrate renewable energy sources and loads for demand management applications

6. **Remote management**
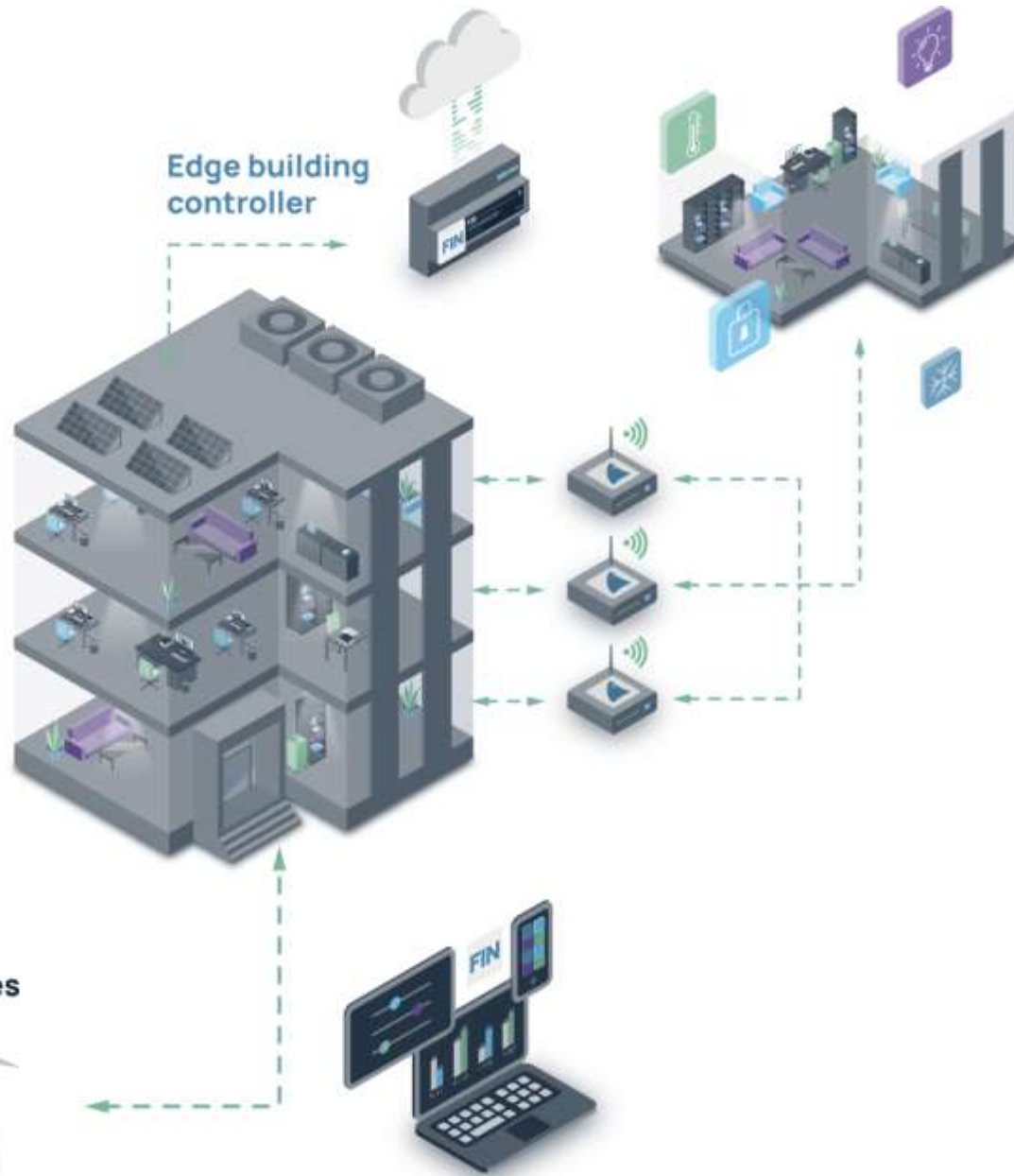   Securely access building data with Edge2Cloud technology

A real integration between buildings and city

Edge building controller

FIN Supervisory & Control

- HVAC
- Hot water
- Temperature & humidity
- Indoor air quality
- Lighting & shading
- Renewables
- Load management
- Energy recovery & storage
- Digital building documents repository

Other data from city
Broadband and utilities

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Matteo Pierone
Global Strategy Head

matteop@j2inn.com
+49 152 284 03890

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