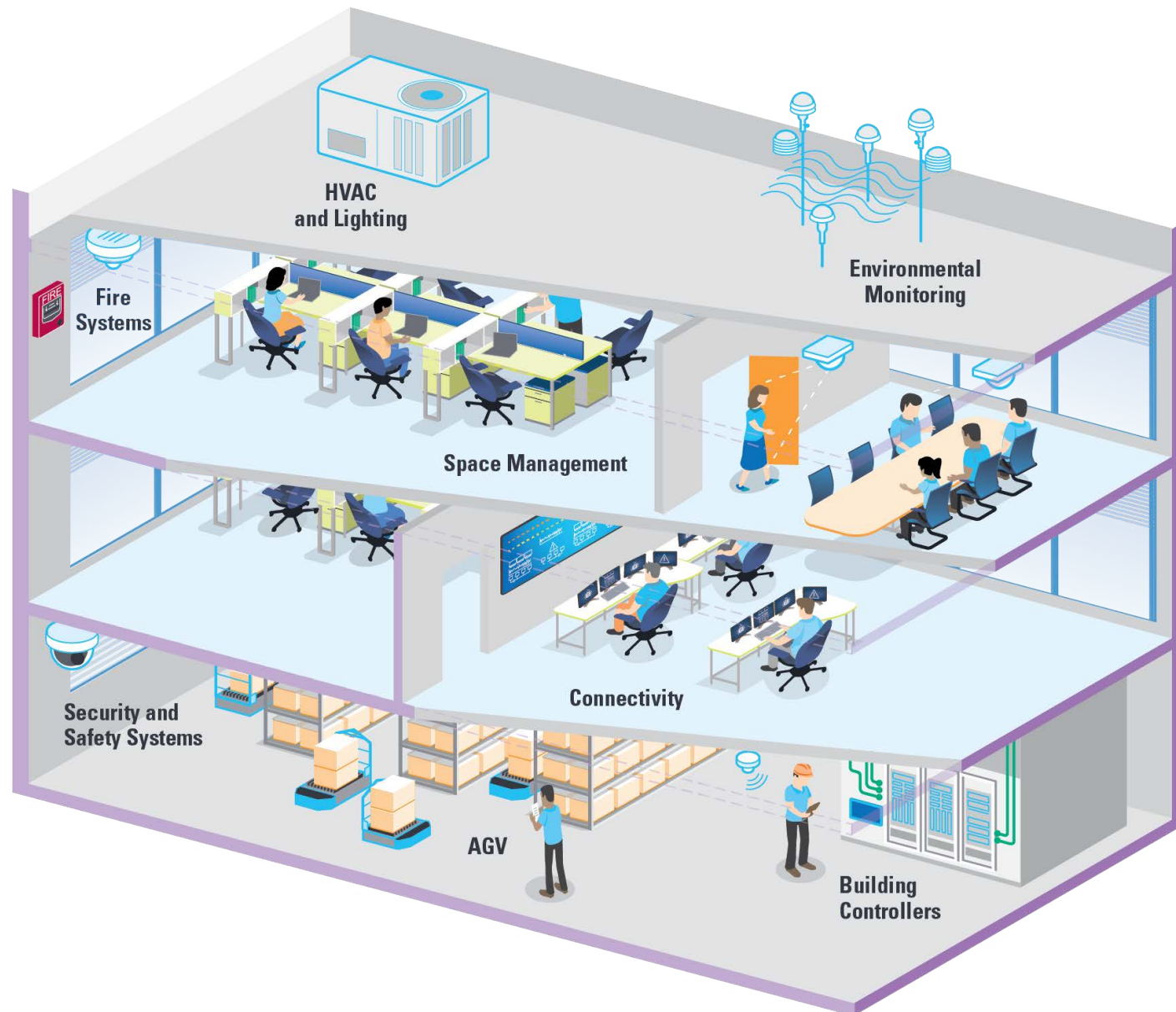# Creating Intelligent Buildings

The need for and impact of intelligent buildings is accelerating. Enabled by ADI technology, buildings have transformed into safer, more efficient, and more productive environments.

Building management systems need real-time data that enables intelligent, impactful decisions:

▶ **Sustainability and efficiency**

With buildings using up to 40% of global energy*, any savings contribute to a better, more sustainable planet.

▶ **Communications**

Adding more intelligent edge nodes that can securely operate within existing wired and wireless building communications and legacy protocols is critical to making real-time decisions.

▶ **Building control and automation**

As building control systems move to being localized, platform-based solutions save time and cost. Lower power and flexibility enable control at the local level, allowing buildings to be easily reconfigured to meet changing needs.

▶ **Worker health and safety**

As cities become more crowded due to urbanization and building density increases, solutions to ensure a more productive and healthier environment for people are critical.

▶ **Security**

With more data being created and stored, the risk of cyberattack is even more critical today. Intelligent buildings require a security strategy to cross the IT to OT layers.

* "Buildings: A Source of Enormous Untapped Efficiency Potential." International Energy Agency.