Welcome to the 2018 Building Tech 50 List your guide to the companies paving the way for the connected buildings of the future. Read on to see who made the list.

1. Windows
2. Lighting
3. Energy
4. Roof Systems
5. Building Management
6. Water
7. Structural Monitoring
8. Safety + Security
9. Mobility
10. Tenant Services
**WINDOWS**

**View**
Removing the need for blinds altogether, View’s Dynamic Glass system intuitively adjusts tint to reduce solar radiation and glare, improving productivity and reducing energy costs. After securing another $200 million in funding in 2017, the internet-connected glass company has positioned itself as one of the world’s leading innovators in smart building technology.

**VG SmartGlass**
VG SmartGlass’ patented solution delivers glare, privacy, and energy control using layers of polarized film. Their user-controlled system is making smart glass a more affordable option for residential and commercial buildings alike.

**iGlass Technology**
iGlass has developed Wisp, a sunlight control system that adjusts in real-time to lower energy bills and protect from harmful UV radiation. Wisp is easy to install on existing windows and carries benefits for both building operators and tenants.

**Onyx Solar**
Onyx creates photovoltaic glass that is transforming buildings into efficient, energy-generating assets. Used in more than 150 projects worldwide, Onyx has established itself as a leader in the smart building landscape.

**Polysolar**
Polysolar’s Building Integrated Photovoltaic (BIPV) platform brings both environmental and economic benefits to any building project. Their technology has applications throughout the building envelope, from facade to roof to windows.

**LIGHTING**

**Lunera**
Lunera has developed a smart lighting platform that uses lights, sensors, and an IoT network to provide building operators with real-time information and control. This dynamic, cloud-based platform allows existing buildings to tap into newfound energy savings and improve the user experience.

**Signify** (formerly Philips Lighting)
Signify’s IoT-based lighting platform, Interact, delivers connected LED lighting systems to office buildings, stadiums, industrial facilities, and infrastructure assets. Turning raw data from embedded light sensors into actionable business insights, they are empowering companies to get the most out of their buildings.
Igor
Using Power over Ethernet (PoE) technology, Igor is decreasing the installation and retrofitting costs of upgrading to smart lighting. Their scalable, AI-enabled system is driving the shift toward energy-efficiency in buildings.

OSRAM
OSRAM has created a range of Light Management Systems (LMS) that offer improvements in operational efficiency to a variety of business types and sizes. Their platform integrates wireless hardware with powerful software, creating a connected building network.

LumiFi
With a wireless lighting control platform, Lumifi connects third-party IoT-enabled devices to help building owners and operators monitor their light systems. Their intuitive mobile interface and web management platform offers users a wide range of lighting features and functionalities.

ENERGY

Abundant Power
Abundant Power’s performance analytics software allows for reliable and accessible reporting about building energy consumption. The result is a building that enables flexible service, affordable operating expense, and maximum occupant comfort.

Ravti
With unique solutions for both property owners and property managers, Ravti is creating a more efficient and streamlined HVAC management system. By creating and updating a detailed HVAC inventory, tracking performance, and generating intuitive reports, they are helping to significantly reduce a critical yet costly building service expense.

Optimum Energy
Optimum Energy’s True Optimization solution is a control software that integrates directly with any building automation system to continuously reduce energy consumption. By optimizing energy consumption in HVAC systems, Optimum Energy can deliver electricity savings of up to 50%.

Totem
Totem Power has established itself as a leader of innovation in the world of smart energy products. They are developing solutions in 5G connectivity, thermal management, cyber security, and remote device monitoring.
Enerbrain has developed a simple solution for HVAC monitoring and performance management, with a fully-integrated network of sensors, IoT actuators, and a mobile app for continual monitoring.

SolarEdge aims to address a broad range of energy markets by offering large scale photovoltaic systems, battery storage and backup, electric vehicle charging, home energy management, electrical grid services, and uninterrupted power supply solutions.

Ebecco uses self-regulating and connected heating technology to improve the performance of building roof systems. Their solution prevents costly erosion of roofs, gutters, and downpipes from snow and ice accumulation.

Voltaic Systems has created a line of durable, IoT-enabled photovoltaic panels. Their highly customizable system enables increased efficiency in rooftop energy generation for smart buildings.

Opti has built an IoT-based solution that is transforming how buildings use roof systems to manage stormwater. Their Continuous Monitoring and Adaptive Control (CMAC) technology automatically controls the timing and rate of stormwater flow through existing and new facilities, enabling them to plan, observe, and predictively respond to storm events.

SolarCity’s Solar Roof platform uses durable glass tiles to turn buildings into energy-generating utilities. SolarCity sets itself apart by offering a range of beautiful tile designs to integrate solar technology into different architectural styles.

Aquicore has created a versatile building management software solution to help building owners track performance and operations. Acting as the command center of a smart building, the Aquicore platform enables real-time energy consumption monitoring, task management, budgeting services, and more.
Gridium

Gridium’s software offers data-driven operations services to streamline building maintenance and lower energy costs. The platform also produces regular performance reports, making analytics and raw data easy to understand for building owners and managers.

Enertiv

Used in residential, office, hospitality, and warehouse buildings, Enertiv’s Operations Performance System (OPS) tracks every aspect of building operations, from equipment performance to indoor environmental conditions. Their platform aims to improve equipment reliability, optimize system configuration, and enable predictive maintenance.

Senseware

Senseware is a full-stack IoT solution that enables integration, monitoring, and control of building systems in real-time. By transforming existing building infrastructure into productive and communicative assets, Senseware is putting your data to work.

Bractlet

Bractlet’s Infrastructure Investment Platform empowers property owners to make informed, confident decisions based on insights gleaned from performance data and modeling. By monitoring at the equipment-level and diagnosing issues as they arise, they protect building investments and ensure savings on operating expenses.

OpenEE

OpenEE’s mission is to promote energy efficiency and transform buildings into distributed energy resources. Their open source platform offers loading, calculating, and visualization of building-level energy performance.

STRUCTURAL MONITORING

Concrete Sensors

Concrete Sensors has combined wireless sensing technology with powerful software to deliver the most accurate, real-time information about concrete. Their solution takes the guesswork out of using concrete on any given project and ensures that buildings meet structural requirements and financial goals.

Canzac

A mainstay of the concrete industry, Canzac’s catalog of products includes an innovative concrete sensor used to monitor concrete strength and temperature. The rugged, waterproof, and wireless sensor uses Bluetooth technology to relay performance information through a mobile app.
Giatec

Giatec offers a complete suite of smart concrete testing solutions for various applications in wireless concrete monitoring, infrastructure condition assessment, and durability-based quality control of concrete. Their mobile-based technology makes it easy for construction companies, consulting firms, and ready-mix producers to improve efficiency in concrete projects.

Intellihot

Intellihot’s tankless water heating system allow you to conserve valuable space and improve energy efficiency. By delivering endless hot water on demand while consuming less space and fewer resources, they are making the traditional tank and boiler model obsolete.

Sensus

Sensus has developed a range of IoT-enabled smart solutions, including a data-driven smart water platform for buildings. Their system combines advanced sensors with software to improve measurement, facilitate communication, improve revenue, and increase overall efficiency.

Itron

Itron’s Riva platform brings IoT sensor technology and edge computing analytics to water systems. With conservation in mind, their solutions help to eliminate non-revenue water from all types of buildings.

Aquagen ISI

Aquagen Infrastructure Systems' technology incorporates the natural benefits of algae-based photosynthesis to enhance the operational process of wastewater treatment. Not only does this save operators on costs, but it turns wastewater into a sustainable community resource.

Flo Technologies

Flo’s water damage prevention system monitors water equipment to detect and proactively stop leaks. With the ability to monitor water consumption using mobile technology, Flo maximizes water security and savings.

Soloinsight

Cloudgate, a powerful facial recognition platform created by Soloinsight, is leveraging IoT and AI to improve building security. A highly customizable system, Cloudgate uses biometric credentials and advanced check-in technology to manage access.
SAFETY + SECURITY (CONT.)

**Doorport**

Bringing security and convenience to apartment buildings, Doorport enables smartphone and key card access, video intercom, and web encryption services. With low installation costs, they remove the need for expensive security contractors and make buildings safer for residents.

**Nubo**

Nubo has created the world’s first 4G/LTE-enabled security camera. This small, weatherproof device is making it easier than ever to remotely monitor buildings, putting tenants’ and owners’ minds at ease and avoiding security threats.

**Canary**

Canary has created a line of products that integrate remotely monitored cameras with sirens to provide an all-in-one security solution. Their system balances personal privacy with the principles of mutual trust and transparency.

**Cyberbit**

Cyberbit offers a building security solution that consolidates visibility, detection, and incident response. The Cyberbit platform combines multiple security products and technologies to offer a complete security operations solution, formerly only available from multiple vendors.

**Plumis**

Plumis offers an IoT-enabled fire protection system for buildings. Their cost-effective alternative has been proven to achieve the same fire performance as traditional sprinkler systems, while using 90% less water.

MOBILITY

**EverCharge**

EverCharge built an electric charging solution specifically designed for apartments and condominiums. As electric vehicle ownership continues to rise, EverCharge’s built-in IoT and remote monitoring capabilities set it apart from other EV charging options.

**Smart Parking**

Smart Parking’s platform uses sensors identify available parking spaces, GPS technology to direct drivers to those spaces, and an intuitive payment interface to facilitate paid parking facilities. Each of these solutions can be combined and integrated to create custom parking solutions for different buildings.

**Parkifi**

With spot-level parking data from lots, garages, and on-street parking spaces, Parkifi allows building operators to access inventory and gain actionable insights effortlessly. Their cloud-based analytics dashboard makes managing parking facilities easy.
**MOBILITY (CONT.)**

**ChargePoint**
ChargePoint delivers EV charging stations to office buildings, apartments and condos, and industrial facilities use cutting-edge hardware technology. ChargePoint stations are part of a complete solution that includes 24/7 driver support, cloud-based software, and world-class service and maintenance.

**Boni**
Boni’s digital mapping platform brings location service software indoors. They facilitate indoor wayfinding for owners, residents, and visitors of a variety of buildings to improve their ability to move efficiently and find exactly what they are looking for.

**Thyssenkrupp MAX**
MAX is taking elevator availability, reliability, and efficiency to new heights with the industry's first real-time, cloud-based predictive maintenance solution. Their smart, IoT-enabled solution dramatically increases elevator availability and predicts maintenance issues before they occur.

**TENANT SERVICES**

**HqO**
HqO’s software platform gives tenants more control than ever over their buildings. With visitor registration, room booking, parking monitoring, food ordering, and community engagement functionality, they are turning the workplace into a truly interactive experience.

**Mobile Doorman**
Mobile Doorman helps properties go beyond the web portal to create customizable, branded apps to interact with residents on their mobile devices. Their services improve how residents interact with buildings using a fully-customized, user-friendly tool that empowers them to live smarter and helps owners manage efficiently, improve retention, and boost their bottom line.

**Amazon Hub**
Hub by Amazon is a comprehensive solution that frees building staff from daily package management, from high-rise buildings to garden-style apartments. Hub’s intuitive and simple design improves residents’ living experience, declutters building lobbies and storage rooms, and provides a secure location for package deliveries.

**Comfy**
Comfy aims to improve the workplace experience by connecting people, places, and systems though a single intuitive mobile platform. With Comfy, employees can control aspects of their workplace environment including temperature, lighting, meeting rooms, and more.
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