



Manage Smart Buildings More Intuitively, Efficiently, and Securely With SynCells

People of all ages now rely on mobile apps for managing their everyday life — from shopping and banking to remotely controlling home entertainment, heating/cooling, and lighting systems. As building tenants, their satisfaction hinges on streamlined access to all building systems and amenities they may interact with, preferably touch free in the era of COVID-19.

However, according to JLL Research on the outlook for U.S. offices in 2021, the emergence of the Delta variant put the brakes on the expected rush to bring workers back to their corporate buildings. In order to entice tenants to return to the office, building developers and businesses are driven to offer a variety of smart solutions. Unfortunately, the infrastructure to support them all can be complex and cost prohibitive. But not with SynCells.

SynCells' solutions for smart buildings leverage our hyperconverged energy and technology platform to reduce upfront capital and operational expenditures for energy and IT infrastructure. Now you can offer building tenants a unified experience that integrates all aspects of building functionality — building/garage access, EV charging, lighting control, etc. — with the convenience of a mobile app they can use on a regular basis so it becomes a default way to interact with their environment. As a result, landlords and business leaders now have a strategic advantage they can use to attract both digitally savvy and traditional tenants in a growing and competitive marketplace for building space.

“Even with a more gradual re-entry process and potentially more balanced hybrid plans than initially expected, the crucial role that physical offices play in fostering corporate culture, productivity and innovation will underline the longer-term need for space that meets evolving tenant and employee preferences.”

– United States Office Outlook – Q3 2021, JLL Research¹

Benefits for Smart Buildings

0 Touchless, more intuitive, personalized environment enabled through SynGrid voice and mobile technologies

87% Percentage of employee retention gained by engaging employees with smart workplace amenities, according to CLC Genesee

19% Combined savings and revenue opportunities across smart building cost centers: energy, rent, and staff for tenants

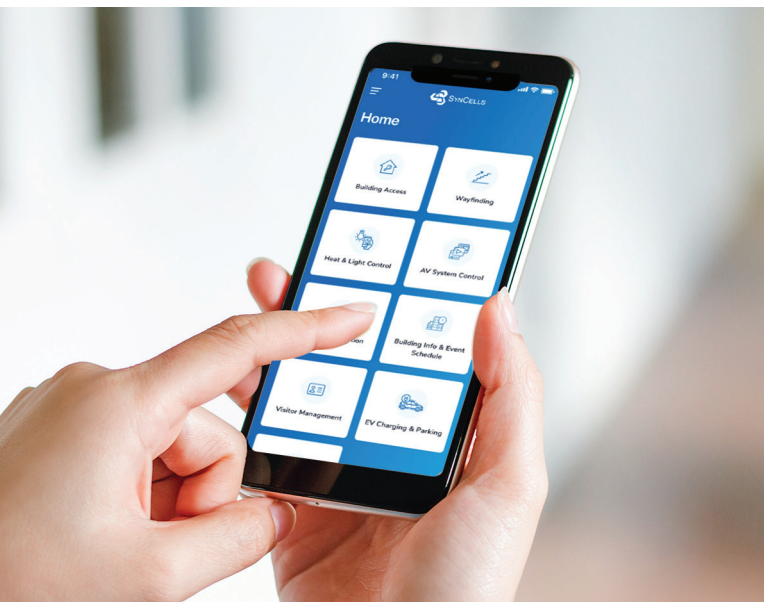
21% Savings to residential tenants, an important differentiator

44% Operational cost reductions through convergence enabled by SynCells

Why SynCells for Smart Buildings?

The SynCells platform delivers power, control, convenience, and security when and where it's needed. This makes it possible for developers to differentiate their smart buildings while also offering benefits that engage employees and tenants and lead to greater satisfaction.

- No-touch solution for COVID-19 and other considerations
- Lower cost, more services
- Lower carbon footprint
- Supports LEED and WELL scores
- Consistent with employee and tenant expectations and smart device lifestyle:
 - More control for tenants over their environment
 - Building access, visitor management
 - All-in-one payment, notification, and reporting platform
- Increases utilization of other property amenities and services, thus boosting revenue
- Avoids tenant frustration associated with using multiple apps from multiple vendors
- Services backed by cybersecurity and restoration warranty



Here are other ways that SynCells streamlines energy infrastructure for smart buildings:

- **Easier and More Cost-Effective to Deploy**
Purchase, install, and manage your own SynCells energy and technology platform, or let SynCells deliver it as a Smart Building as a Service turnkey option, reducing upfront infrastructure investment. Either way, you can easily deploy SynCells' smart, sustainable energy modules as your primary on-site power platform that scales to support integrated building systems, tenant amenities via smart mobile apps, and cybersecurity. Also, you will reduce upfront infrastructure costs as well as the carbon footprint to meet NetZero, LEED, WELL, and other performance-based objectives.
- **More Responsive to Tenants' Needs**
Provide a unique and consistent user experience across all areas of the smart building ecosystem. With a unified, easy-to-use interface accessible through a mobile app and web portal, SynCells can deliver a variety of services. From a lower-cost EV charging infrastructure to parking payments, a visitor management system, touchless access control, and more, SynCells provides an integrated solution. We make life easier, more convenient, and more productive for smart building tenants and building management.
- **Space, Energy, and Cost Savings**
Backup generators are large, noisy, and create toxic emissions. A SynCells alternative can be 10% of the size and placed indoors, releases no emissions, and is always online. Plus, it can be used as a whole-building UPS, keeping critical resources operating and reducing electricity costs through peak shaving and similar cost-arbitrage measures.
- **Efficient "Nanogrid" Approach**
Unlike the conventional grid, microgrid, and CHP/cogen solutions, SynCells' system is a "nanogrid" that is approximately 90% efficient, with the majority of energy delivered as electricity to best support the energy profile of modern and next-generation buildings. In addition, it's available 24x365 for clean, reliable, consistent power.

- **Supports NetZero Strategies**

Ensure your building's energy infrastructure meets NetZero requirements with SynCells. Our modular energy cells can use green fuels to generate a renewable energy source as well as store excess energy for 24x365 energy availability. According to a University of Massachusetts analysis of SynCells' technology, it's possible to comply with local, state, and federal energy and sustainability standards and building codes without the infrastructure premium associated with high-efficiency systems.

- **Complements Renewables and Provides an Alternative**

Sustainability with a low carbon and emissions footprint conflicts with construction and development cost targets. SynCells provides a viable alternative that can harness renewable energy sources and green fuels while delivering low/no-emission power and heat, regardless of time of day or year.

One Hybrid Platform for More Than Energy

An energy strategy is just one component of both new and existing next-generation buildings. Smart phones and Wi-Fi drove requirements for mobility and connectivity throughout buildings and businesses; now expectations and opportunities for smart buildings are rising. According to numerous studies, smart buildings make tenants feel more engaged and productive, use amenities more often, and stay with their employer longer.

SynCells is pioneering the hyperconvergence of energytech through the following approach:

- **Efficient, Flexible Power Source**

New standards for power over ethernet (PoE) allow more power to be delivered over the data cable. Beyond the traditional phone or security camera, PoE can now power TVs, lighting, and many other systems. Data cabling is cheaper to install than electrical wiring and, as a native data device, offers great flexibility in terms of management (e.g., eliminating traditional and expensive lighting control systems because it can be



programmed through IT management systems). As a DC power source, power delivery is more efficient with no power lost due to AC/DC transformations.

- **Full Support**

Developers, property owners, and managers aren't IT experts, nor should they need to be. As buildings become more connected and smarter, technology dependencies are increasing. With that comes cybersecurity risks and support challenges. Now it's possible for developers, owners, and managers to offload all of those responsibilities to SynCells. We will support you and your tenants while protecting your assets.

- **Integrated Delivery**

SynCells takes advantage of wholesale pricing and bulk delivery to reduce overall technology expenditure while delivering improvements in support and security. Using modern, hyperscale technologies and architectures, SynCells can deliver services such as basic phone lines for less than half of what traditional carriers charge.

- **Certifications**

Aside from the energy, conservation, and sustainable measures achieved through the SynCells energy portfolio, many of the above strategies are eligible for additional points for innovation. Standards such as WELL depend on data and sharing actionable insights with tenants to promote change and track effectiveness. As a data- and policy-driven platform, SynCells can natively support these efforts.

About SynCells

SynCells is changing how energy and technology solutions are delivered to customers. Our platform revolutionizes how energy is produced, stored, and managed, giving individuals and business owners more control over their infrastructure by letting them choose where and how to deploy it to maximize financial return or outsource capabilities. The company represents the evolution of energy and technology convergence, providing a unique platform and range of services that decreases costs and carbon footprint while maximizing performance, security, resiliency, and flexibility.

SynCells meets the challenges of today's energy requirements with a modular, scalable, environmentally sustainable, and lower-cost energy and technology platform for commercial and residential buildings, data centers, utilities, and EVs. Buy and manage your own plug-and-play, modular SynCells energy platform, or let us deliver it as a turnkey service. Either way, SynCells

simplifies the design, implementation, and management of energy systems for reduced upfront capital costs, a lower carbon footprint, and a smarter user experience.

SynCells services such as the virtual grid technology enabled by SynGrid, a management platform and portal for smart buildings, create new and unique opportunities. Individuals and companies can leverage and monetize their resources as part of an integrated energy management, demand response, energy trading, and smart building/smart city solution. SynCells also provides smart energy and smart technology solutions through its Smart Building as a Service solution and the supporting SynGrid mobile application.

From real estate companies and data centers to property development firms and smart buildings, more and more organizations are turning to SynCells for modular, flexible, and smart energytech solutions to reduce costs, achieve ESG goals, and capitalize on new opportunities.

References

1 <https://www.us.jll.com/en/trends-and-insights/research/office-market-statistics-trends>

Take Control of Your Smart Building Infrastructure With SynCells

Now you can build a sustainable energy system for smart buildings that also delivers all of the technology amenities tenants want via a single mobile app. Contact SynCells and let us show you how our hyperconverged modular energy and technology platform can reduce upfront infrastructure costs and help you manage smart buildings more effectively. Visit www.synccells.com to learn more, or call us at **844-400-SYNC (7962)** to request a consultation.



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