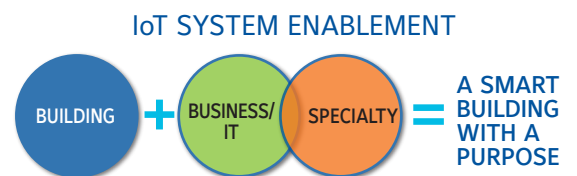




## The bridge between traditional process and modern IoT outcomes

Creating a building that meets defined business and building outcomes is often easier to imagine than to accomplish. The traditional design approach is challenged with leveraging the collective brainpower of different systems types to enable smart building outcomes across the enterprise.



Without considerable forethought and planning, an uncoordinated planning, design and construction process can produce redundant systems and technology infrastructure, unsecured data exchange, proprietary integrations, interoperability issues and lost functionality, just to name a few. The resulting cost overruns, missed deadlines and a building that doesn't work on Day 1 is at odds with the purpose driven, smart environment you imagined.

Johnson Controls has more than a decade-long history of delivering IoT outcomes by creating harmony between building, business/IT and specialty systems. In partnership with your selected design and construction teams we bridge the gaps, looking at all systems and the intelligent infrastructure as one, and apply our proven early-engagement design-assist services as part of a building process that's powered by brains.

Our proven early-engagement design-assist services are part of a planning, design and construction process that's powered by brains. We provide a structured, interactive process for quickly assessing and prioritizing technology and investments, creating a direct path to addressing the most important needs of the organization with the most impact.

### Design-assist: Coordinate the ideas, because nobody wants an uncoordinated building

Johnson Controls' design-assist process provides a team of construction and technology experts right from the start. They'll work with the owner's cross functional staff, design team, construction manager, and general contractor to uncover priorities and maximize every dollar spent. This team provides expertise for all phases of technology evaluation, recommendation, budgetary development and constructability evaluation, driven by the goal that the ultimate function of a building should determine how it's built.

#### Johnson Controls' design-assist process:

- Interactive Technology Navigation sessions with key project stakeholders help identify essential technologies that support the vision for the building.
- Collaboration with the design team ensures an optimized layout and integration of systems.
- After potential systems and technologies are identified, the design and Johnson Controls teams make product selections leveraging our vast ecosystem of market-leading partners to maximize the efficiency, integration, interoperability and lifecycle service of technology systems.

Our proven early-engagement design-assist services bridge the technology gaps that exist in the traditional planning, design and construction process, allowing you to create a building with an infrastructure that meets your technology needs today and supports any future innovations.

### Two brains are better than one, and many brains are better than two

Delivering a fully optimized building that meets energy, technology and operational objectives depends on early collaboration between the owner's stakeholders, design team, construction manager, and general contractor. Sharing informed, data-driven decisions about connectivity and interoperability at the earliest phase of the design process drives consensus, mitigates construction risk, and results in fewer change orders during construction and systems installation.

Let Johnson Controls help you create a smarter building that delivers an innovative, optimized environment supporting your vision at a lower lifecycle cost.

#### Owner Benefits

- A design process that aligns technologies with desired outcomes and works on Day 1.
- A holistic approach to maximize technology spend with technology lifecycle considered.
- Integration of individual systems provides a more comprehensive use of technology to support business initiatives while reducing interoperability risk.
- Provides best practices for identifying potential gaps between system specifications, IT, security standards and intended use.

#### Construction Professional Benefits

- Single source accountability for the coordination and installation of all technology systems.
- Removes the need for staff augmentation with individual technology specialists and supervisors.
- Mitigates the risks associated with delivery of the owner's desired building design and the project team's integration of selected systems.
- Fewer change orders during construction and systems installation.

#### Design Professional Benefits

- Gain insight into interoperability issues with various technologies, systems and products
- Gain additional insight into the owner's business processes and desired outcomes through the Technology Navigation process
- Participate in the generation of the design-basis documents and vendor selection
- Leverage Johnson Controls' Partner Ecosystem of manufacturers, distributors and value added resellers to bring proven, repeatable, best-in-class technologies to your customers' project