

4 WAYS ENERGY SERVICE COMPANIES CAN HELP MAKE YOUR BUILDING PORTFOLIO MORE SUSTAINABLE AND RESILIENT



Every building portfolio is unique, and so is its energy demand. From government facilities and schools to warehouses and retail stores, each building's energy requirements vary depending on function, size, occupancy levels, location, and more. Energy service companies (ESCOs) like Honeywell can help you develop a strategy tailored to your building portfolio's specific needs. This way, you can advance your organization's sustainability goals while helping to make your buildings more resilient. Here, we look at four ways ESCOs can implement the right energy performance plan for your portfolio.

CHOOSING THE RIGHT PROJECT DELIVERY MODEL

Financial models can help you curb your buildings' energy demand and emissions with little-to-no upfront capital investment. There are multiple models to choose from, which may vary depending on the region and can last from two to 20 years.¹ So, familiarize yourself with the available options to choose the financial model that matches your organization's size and objectives. A trusted ESCO like Honeywell can help you select the most appropriate solution for your building portfolio.





ASSESSING YOUR BUILDINGS' ENERGY REQUIREMENTS

Once you've partnered with an ESCO, the following fundamental step is assessing how your buildings consume energy. The ESCO will evaluate energy performance across every building system, from heating and cooling to lighting and computing, to determine appropriate upgrades to help optimize energy efficiency. ESCOs like Honeywell evaluate more than just efficiency. Multiple factors are considered from the building's resilience against power outages to occupant well-being, carbon reduction KPIs, and how to track progress toward ESG goals.



Following the assessment, the ESCO will upgrade and replace existing systems to maximize energy efficiency and conservation. Examples of measures include converting fluorescent lighting to LED fixtures and replacing HVAC units with high efficiency systems.² These and other energy conservation measures can help your building portfolio align with global standards like ISO 50001. Some ESCOs like Honeywell go beyond conventional measures by leveraging artificial intelligence (AI), machine learning (ML), and the Internet of Things (IoT). These technologies enable your building management systems (BMS) to make autonomous data-driven decisions in real time. For example, using solutions that can predict heating and cooling demand based on occupancy levels and weather forecasts or make carbon emission data easily accessible to inform priorities and ESG reporting.



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An ESCO can also support your organization's transition to more sustainable and resilient energy supply systems. This can include developing reliable smart microgrids that help reduce emissions with renewables and battery energy storage systems (BESSs) while enabling continuity of supply during outages. Cloud-based energy management solutions such as Honeywell Forge Sustainability+ for Buildings | Power and Demand Management help effectively operate microgrids. For example, this platform keeps critical systems running and recovering fast from outages by dynamically managing loads to extend supply during extreme weather events.

Honeywell has already guaranteed \$9.2B in energy and operational cost savings through more than 3,400 projects for customers globally. The results demonstrate how trusted ESCOs can help organizations achieve substantial energy savings while enhancing sustainability and resilience.

For more information on how trusted ESCOs like Honeywell can help your organization implement a successful ESPC or EaaS, download The Ultimate Guide to Sustainability and Energy Resilience in Buildings: Understanding Financial Models to Help Achieve Energy Goals.

REFERENCES

1 IEA, ESCO Contracts, 2023 [Accessed August 16, 2023] 2 Advanced Energy, Advanced Energy Used 50001 Ready to Help Manufacturing Plant Achieve ISO 50001 Certification, 2019, [Accessed October 9, 2023] THE FUTURE IS WHAT WE MAKE IT

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