



# Office Building Energy Storage Project





## Overview

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Stor4Build is a multi-lab consortium funded by the Building Technologies Office to accelerate cost-effective thermal energy storage solutions for resilient, efficient, healthy, and comfortable buildings, while facilitating a reliable and flexible energy system.

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The NYC Department of Citywide Administrative Services (DCAS) makes city government work for all New Yorkers. Our commitment to equity, effectiveness, and sustainability guides our work providing City agencies with the resources and support needed to succeed, including: The DCAS Division of Energy.

This report is available at no cost from the National Renewable Energy Laboratory (NREL) at Goetsch, Heather E., Paul A. Torcellini, Landan Taylor, and Bri Colon. 2024. Making It Happen: On-Site Renewable Energy and Storage Challenges and Solutions for Commercial.

Stor4Build is a multi-lab consortium funded by the Building Technologies Office to accelerate cost-effective thermal energy storage solutions for resilient, efficient, healthy, and comfortable buildings, while facilitating a reliable and flexible energy system. The consortium fosters collaboration.

Here are five innovative energy storage solutions and the role they play in sustainable building projects. Mechanical energy storage solutions often serve expedient purposes on building project sites. For example, construction workers already harness compressed air to power pneumatic tools such as.

### Who Cares About Energy Storage in Office Spaces?

Let's Break It Down Ever walked into an office building and wondered, "Why isn't this place running on something smarter than yesterday's coffee?"

" Well, you're not alone. The target audience for energy storage solutions in



business parks includes:.



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### Energy Storage in Office Buildings: Powering the Future of ...

Meet the new office flex: thermal energy storage systems that look like something from a sci-fi movie. The Edge in Amsterdam didn't just install batteries - they turned their ...

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### [Strategic Guide to Deploying Energy Storage in NYC](#)

It implements creative solutions to reduce energy consumption, promote energy efficiency in public buildings, and to generate clean energy on City-owned properties.

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### [Making It Happen: On-Site Renewable Energy and Storage ...](#)

Identify and understand technical and nontechnical challenges to deploying renewable energy and energy storage in buildings and on building sites. Provide information and resources to ...

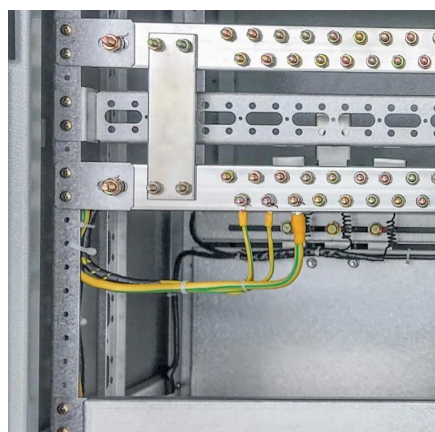
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### Design and performance analysis of a novel office building ...

Design and performance analysis of a novel office building integrated photovoltaic system. This paper describes a novel office building attached photovoltaic (OBAPV) system ...



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## 5 Innovative Energy Storage Solutions for Sustainable Building Projects

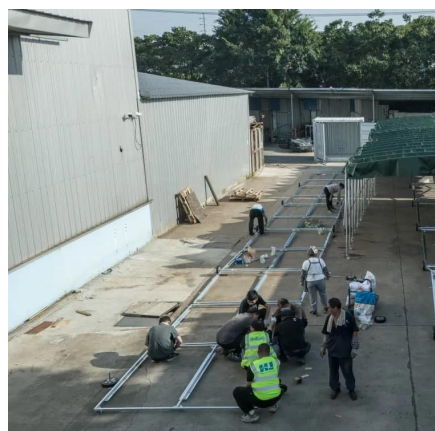
Large commercial construction sites are often the perfect testing ground. Here are five innovative energy storage solutions and the role they play in sustainable building projects. ...

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## Microsoft Word

This project was motivated by the need to understand the full value of energy storage (thermal and electric energy storage) in commercial buildings, the opportunity of benefits for building ...

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## Energy storage reduces energy costs at ENERGY Star Rated ...

The Durst Organization, a major Manhattan commercial property owner known for its environmental concern, has chosen thermal energy storage to reduce the overall cost of ...

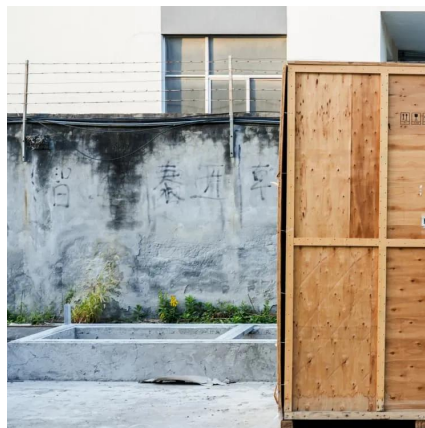
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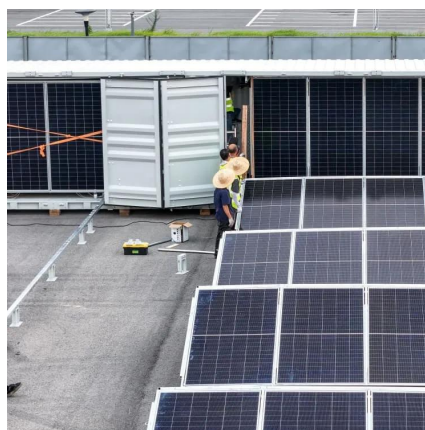
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## Designing Renewable Energy Systems for Office Buildings

Office buildings, with their substantial energy consumption, stand to benefit significantly from the integration of renewable energy systems.

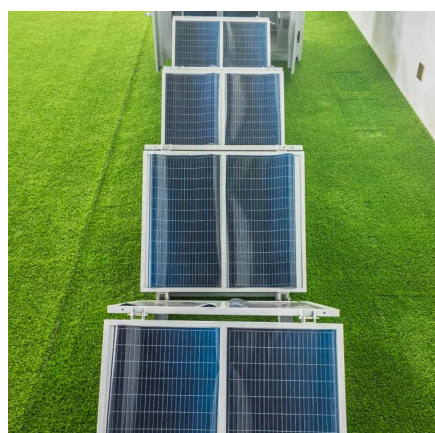
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## Energy Storage for Your Business

New York State aims to reach 1,500 MW of energy storage by 2025 and 6,000 MW by 2030. Energy storage is essential for creating a cleaner, more efficient, and resilient electric grid. ...

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## Contact Us

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