



Future Forward: Energy AI Innovation Challenge

Stored Power Technology Inc & SPT ENERGY AI LAB

Promoting Green Energy · Empowering Smart Communities



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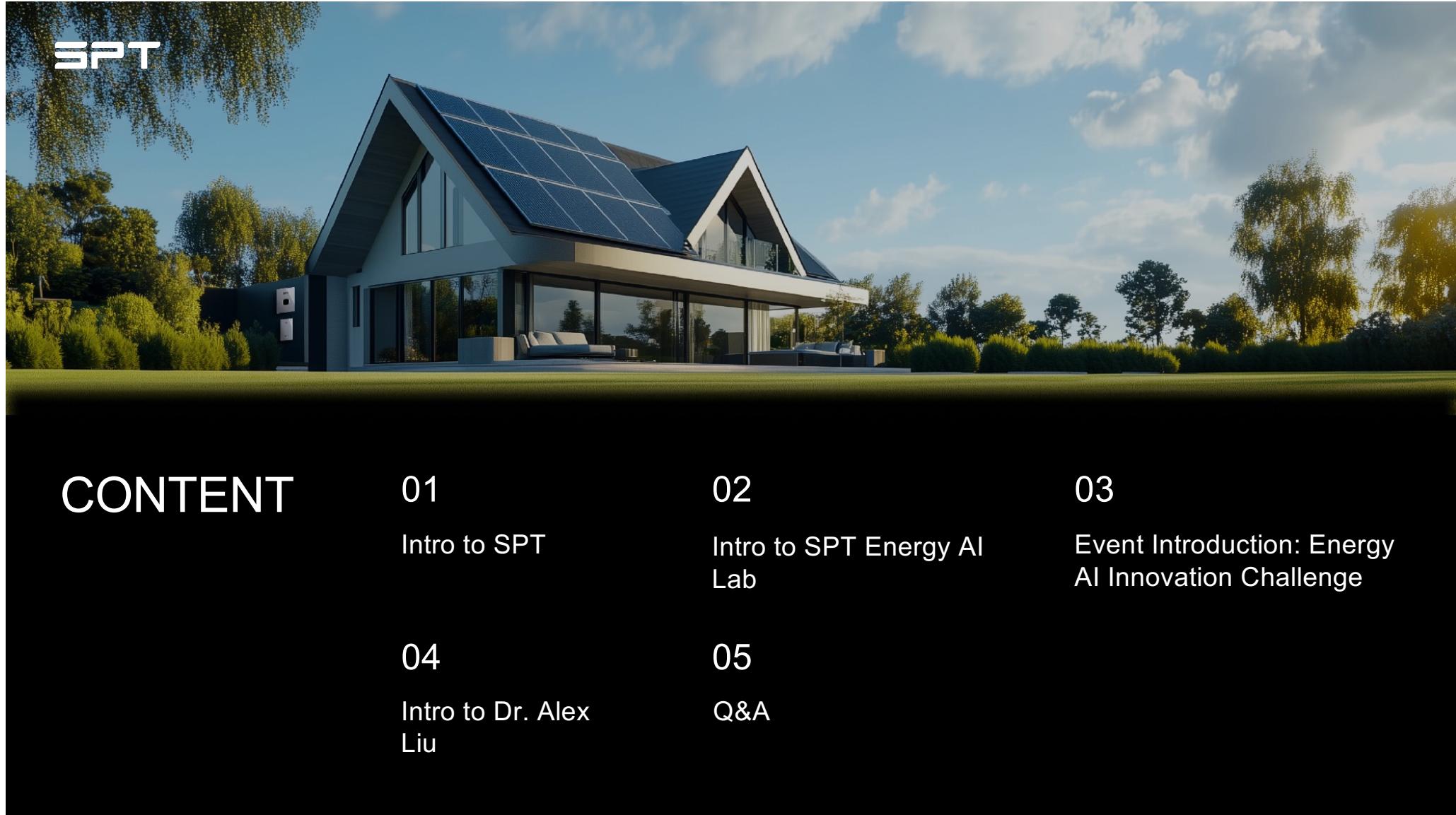
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The background image shows a modern, two-story house with a steeply pitched roof covered in blue solar panels. The house has large glass windows and doors, and a small balcony. It is surrounded by a lawn and trees under a blue sky with white clouds.

SPT

CONTENT

01

Intro to SPT

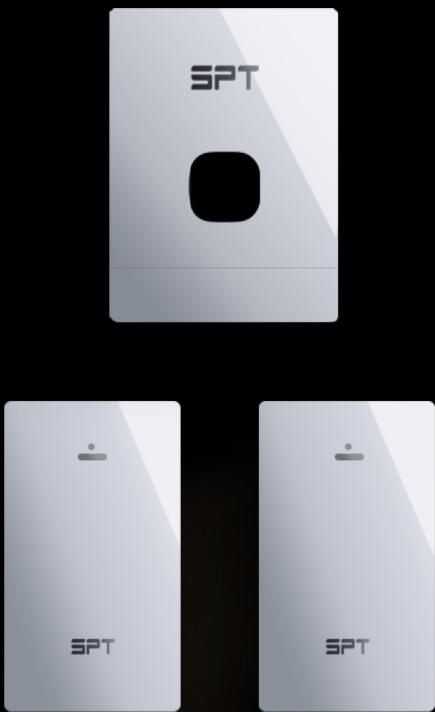


ABOUT US



STORED POWER TECHNOLOGY INC (SPT) is headquartered in Riverside, California, focusing on solar energy storage solutions for the North American market. With innovative energy storage technology and cost-effective products, SPT provides comprehensive energy storage solutions for residential and commercial users.





SPT3800 Series

Residential Series

- **Capacity:** 5kWh to 20kWh, meets daily household energy needs, stores solar or grid power, ensures backup during outages, and supports EV charging.
- **Features:** Smart management system optimizes peak/off-peak rates, saves costs, and enables surplus power resale to the grid.
- **Price:** \$5,000–\$10,000 (excludes installation).



Project Residential Storage

SPT 3800 series

supports household energy storage needs, offering green energy solutions suitable for residential and commercial properties.





SPT6800

Commercial and Industrial Series

-261 KWh Energy storage supports unlimited scalability. It features peak and off-peak price optimization, intelligent energy management, and virtual power plant integration, helping users save on electricity costs and increase revenue.

-Built-in lithium iron phosphate batteries with AI intelligent early warning and multi-layer protection to ensure safe and reliable operation. Adaptable to multiple modes, providing 24/7 uninterrupted power supply.

-Compact design suitable for small commercial and multi-family building applications.



Project

Small Commercial Storage

SPT 6800

helps businesses optimize power costs and enhance operational stability.



Large supermarket projects



Small supermarket projects



Gas station projects



Sun Tera Series

Containerized Battery System

- **Scalability:** A single-unit capacity of 5 MWh, with independent inverters, wireless updates, and comprehensive safety monitoring. Supports smooth renewable energy output, grid voltage and frequency regulation, and reliable power backup.
- **Applications:** Ideal for stabilizing grids and meeting high-capacity energy storage needs of large commercial, industrial, and agricultural facilities, ensuring green power supply.



Project Large Container Energy Storage

Sun Tera series

designed for grid stabilization, large commercial, and public facility projects, ensuring reliable green power supply.



Agricultural Projects

Providing Stable Power Support for High-Energy-Consumption Agricultural Facilities



Power Generation Projects

Meeting the Large-Capacity Energy Storage Needs of Power Plants and Renewable Energy Facilities



Project Solar, Storage, and Charging Integration

- Combines solar power generation, energy storage systems, and electric vehicle charging functions

- Provide an efficient, convenient, and environmentally friendly energy solution

- Achieve energy self-sufficiency and intelligent management.





SPT Group Inc.

Integrated Energy Innovation Ecosystem

The Group integrates R&D, manufacturing, system delivery, and ESG implementation across five major divisions: Sales Execution Company, Battery Assembly Plant, PCS Manufacturing Plant, AI Energy Lab, and Global ESG Foundation, offering full-stack solutions for North America's energy transition.



Stored Power Technology Inc.

Sales & Service Execution Company

Provides integrated turnkey solar + storage solutions (design, interconnection, product delivery, execution)
Serves residential, commercial, and industrial parks and municipal-level energy networks
Supports hybrid systems (solar + gas + hydrogen) with TOU optimization, load shifting, grid interaction, and backup



SPT Energy AI LAB

R&D, core EMS development unit for SaaS-based intelligent control and data optimization



Factory

SPT Energy Base Inc.

Battery Assembly Factory

SPT PCS Inc.

PCS Inverter Factory



Non-profit

Light Without Borders & Light for All Foundation

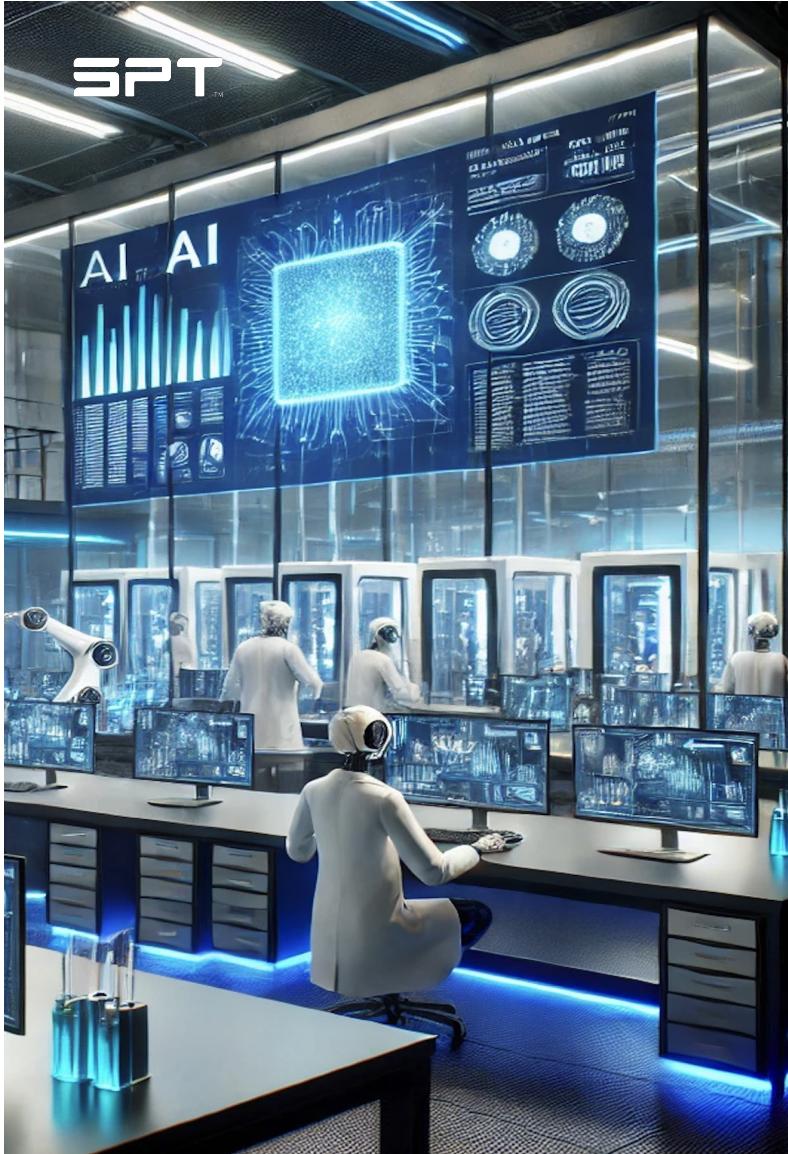
Build global ESG demonstration projects to address energy inequality in underserved regions while building SPT's global brand image.

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CONTENT 02

Intro to SPT Energy AI Lab



SPT Energy AI Laboratory

Pioneering the Future of Energy Storage

Vision

The SPT Energy AI Lab serves as a pioneering research and development center dedicated to advancing the integration of artificial intelligence in the clean energy sector. Located in Riverside, California, the lab focuses on:

- AI-driven power forecasting
- Battery storage optimization
- Microgrid control systems
- Smart user-side energy solutions

Our mission is to revolutionize energy management through cutting-edge AI technologies, ensuring efficiency and sustainability in energy use. Together with our expert team, we aim to build Riverside into a leading smart energy city.



Vision for Future Smart Communities

SPT leads a new era of smart energy, delivering comprehensive green energy solutions for commercial and residential communities.



Innovative Smart Business Districts

- Equipped with intelligent storage and flexible energy scheduling systems to ensure efficient power usage, reduce peak loads, and maximize resource utilization.
- Supports building and device interconnectivity, offering real-time data analysis and carbon footprint management to enhance sustainability and optimize operational costs.



Smart New Energy Residential Communities

- Utilizes distributed storage systems and EV charging networks to provide round-the-clock clean energy, supporting household energy self-sufficiency.
- Features smart forecasting and sharing mechanisms, integrated with smart home devices, helping residents optimize energy use for a more sustainable and comfortable lifestyle.



SPT AI 1.0 Officially Launched

Congratulations on the official launch of SPT AI 1.0, featuring automatic weather warning control, which enables energy storage batteries to switch to backup mode automatically!





CONTENT

03

Event Introduction: Energy AI Innovation Challenge



ENERGY AI INNOVATION CHALLENGE – RIVERSIDE EDITION

Submission Deadline: May 19

Finals Presentation Day: May 30, 2025

Award Ceremony: June 3, 2025

Scan Registration



Scan Submission



About SPT



Judges:

Dr. Alex Liu - Ph.D in Statistical Computing - Stanford University;

Dr. Alfredo Martinez - Ph.D in Electronic Engineering - UC Riverside;

Dr. Amir Atiya - Ph.D in Electronic Engineering - Cal Tech;

Dr. Michael Krause - Ph.D in Energy Resource Mgmt. - Stanford University;

**SPT ENERGY AI LAB, CITY OF RIVERSIDE
PRESENT YOUR AI ENERGY VISION.
WIN AWARDS.EARN AN INTERNSHIP**

2990 MYERS ST, RIVERSIDE, CA 92503

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INFO@SPTUS.COM

Energy AI Innovation Challenge – Riverside Edition

Join us on May 30, 2025, at the SPT Energy AI Lab for a unique event that combines the official launch of the lab with an exciting innovation competition. This event will highlight the intersection of AI and clean energy, providing a platform for city leaders, industry experts, and student innovators to collaborate.

Event Highlights:

Official Ribbon-Cutting Ceremony

Student Innovation Showcase

Expert Jury Engagement

Networking Opportunities

Awards:

Innovation Award *2 – \$500 + Innovation Award Certification

Practicality Award *2 – \$500 + Practicality Award Certification

Future Talent Award*2 – Summer Internship opportunity + Future Talent Award Certification

Other participants - Certification of Appreciation + gifts

Key Dates:

Submission Deadline - May 19, 2025 (Monday)

Finalist Announcement - May 25, 2025 (Sunday)

Final Presentation - May 30, 2025 (Friday), 1:00 PM

Award Ceremony - June 3, 2025 (Tuesday)

Energy AI Innovation Challenge – Riverside Edition

Cooperation Parties:

City of Riverside
Riverside Public Utility
Greater Riverside Chambers of Commerce
University of California, Riverside

Judges:

Dr. Alex Liu

Director of SPT Energy AI Lab, Ph D in Statistical Computing from Stanford University;

Dr. Alfredo Martinez-Morales

Professor at UCR, Ph. D in Electronic Engineering from UCR;

Dr. Amir Atiya

AI and Prediction Expert, Ph D in Electronic Engineering from Cal Tech;

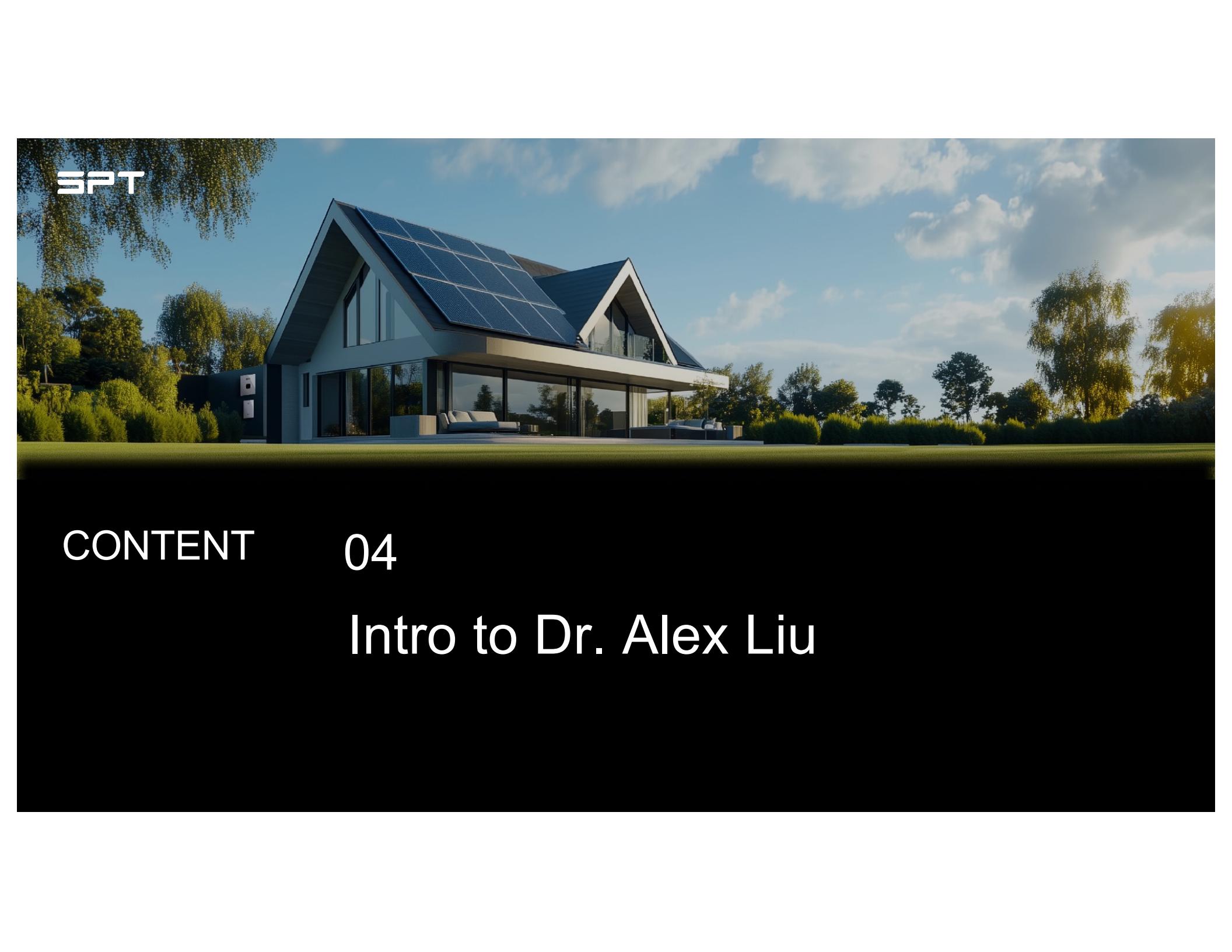
Dr. Michael Krause

AI Expert, Ph D in Energy Resource Management from Stanford University;

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Submission QR Code
DDL - May 19

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Intro to Dr. Alex Liu



Dr. Alex Liu



Director, SPT Energy AI Lab

Dr. Liu is a leading expert in artificial intelligence and energy systems. His extensive background includes:

Education: Ph.D. and M.S. in Statistical Computing from Stanford University

Former Roles: Chief Data Scientist at IBM, Advisor for the Harvard Data Science Review

Experience: Over a decade of innovation in data science, machine learning, and optimization within the energy sector

Also working with UCR as an Advisor currently

Dr. Liu is committed to driving advancements in AI-driven energy solutions, positioning the SPT Energy AI Lab at the forefront of sustainable energy management.

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CONTENT 05

Q&A

Looking Forward to Cooperation!

STORED POWER TECHNOLOGY INC



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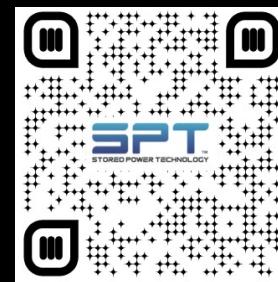
info@sptus.com



<https://sptus.com>



Google Review
★★★★★



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