Strata Clean Energy

PROPOSAL

FLEXGEN

Integrated System Solution

- Chollas 250 MW / 1000 MWh

May 14, 2025

FlexGen is proud to present this proposal for an integrated energy storage system solution powered by HybridOS™

Highly reliable and high performing energy storage plants start with HybridOS integrated with the battery energy storage and PCS hardware specified and integrated for this project.

The integrated energy storage system provided in this proposal is complete with supply of HybridOS, the energy storage equipment, commissioning and performance testing, and Lifecycle services. The offering is complete with performance guarantees at Substantial Completion and throughout the warranty period during the term of the Lifecycle Services Agreement.

HybridOS EMS and PPC

Energy Storage Equipment

Commissioning Services

Lifecycle Services

The configuration has been developed based on information provided about the project and specifications for leading energy storage and power converter equipment available in the industry. Based on optimization of performance, project specifications, and our experience we have provided a configuration and price that meets project specifications and delivers lifetime value. Additional equipment options are available and can be provided upon request.

Our proposal is complete and provides pricing to deliver and commission the energy storage system to achieve first revenue dollar fastest. We have also provided pricing for software licenses and Lifecycle Services for the life of the asset.

INTEGRATED SYSTEM BENEFITS

Bankable
FlexGen has the financial strength and bonding capability to stand-behind the project.

Performance Guarantee
Complete system performance guarantee.

Warranty
Single point of accountability for system warranty.

Complete Lifecycle Solution
Complete services throughout the lifecycle of the asset.

Availability
Industry leading Availability through HybridOS and FlexGen Lifecycle Services

PROJECT SUMMARY

This proposal includes a complete system of integrated energy storage, EMS software, and professional services to ensure the best availability and performance of your site.

Project Name	**Chollas – Option 1**
Power / Energy Rating	250 MW / 1000 MWh
Number of Blocks	68
Inverter Model	Sineng EH-5000-HD-UB-US-34.5
Battery Model	Gotion5.015MWh 0.25C
Project Configuration	Stand-alone energy storage

PRODUCT / SERVICE	SCOPE	PRICE
System Supply Agreement		**One-time: $271,811,608**
EMS Supply	• Supply of HybridOS Controllers • FlexGen HybridOS Energy Management System • HybridOS EMS Integration • HybridOS EMS Commissioning and Support (Remote) *Additional Services (Networking, Testing) not included in total*	$870,171
	• Site and Local Controller Cabinets	$763,514
AC Block	• AC Block Equipment: Quantity 68 Sineng EH-5000-HD-UB-US-34.5 Power Conversion Systems with integrated MVT	$21,159,118
DC Block	• DC Block Equipment: Quantity 272 Gotion 0.25C Battery Energy Storage Containers each rated at 5.015 MWh	$248,140,805
OPTIONAL **Field Commissioning**	• Site Commissioning Services	$878,000

HybridOS License Agreement *Standard 5-year term*		**Annual: $278,000 /year** *License Fees are subject to 3% escalation*
Software License	• License to use HybridOS • 24/7 Remote Tech Support • Continual Software updates	$278,000 /year or $1,251,000 lump sum for 5 years

Lifecycle Services Agreement *Standard 5-year term*		**One-time: $50,000** **Annual: $1,956,300 /year**
Remote Operations Center (ROC) Support	• 24/7 Remote Monitoring and Support	Set-Up: $50,000 $204,000 /year
Field Support	• Preventative Maintenance • Corrective Maintenance Services at T&M • On-Site Advisory Services	$772,000 /year
Performance Management	• Performance Optimization • Site Availability Guarantee	$688,300 /year
Asset Management	• OEM Equipment Warranty Management • Spare Parts and Inventory Management	$292,000 /year

Lifecycle Services Discount	**One-time: $50,000** **Site Size Discount: 5%** **Annual: $1,858,485 /year**

Please see detailed scope information defined in the follow pages.

PROJECT SUMMARY

This proposal includes a complete system of integrated energy storage, EMS software, and professional services to ensure the best availability and performance of your site.

Project Name	**Chollas – Option 2**
Power / Energy Rating	250 MW / 1000 MWh
Number of Blocks	66
Inverter Model	Sungrow SC5000UD+MVT P3
Battery Model	Trina Elementa 2.0 0.25C
Project Configuration	Stand-alone energy storage

PRODUCT / SERVICE	SCOPE	PRICE
System Supply Agreement		**One-time: $181,063,645**
EMS Supply	• Supply of HybridOS Controllers • FlexGen HybridOS Energy Management System • HybridOS EMS Integration • HybridOS EMS Commissioning and Support (Remote) *Additional Services (Networking, Testing) not included in total*	$846,023
	• Site and Local Controller Cabinets	$763,514
AC Block	• AC Block Equipment: Quantity 66 Sungrow SC5000UD+MVT P3 Power Conversion Systems with integrated MVT	$21,919,968
DC Block	• DC Block Equipment: Quantity 264 Trina Elementa 2.0 0.25C Battery Energy Storage Containers each rated at 5.015 MWh	$156,682,140
OPTIONAL **Field Commissioning**	• Site Commissioning Services	$852,000

HybridOS License Agreement *Standard 5-year term*		**Annual: $270,000 /year** *License Fees are subject to 3% escalation*
Software License	• License to use HybridOS • 24/7 Remote Tech Support • Continual Software updates	$270,000 /year or $1,215,000 lump sum for 5 years

Lifecycle Services Agreement *Standard 5-year term*		**One-time: $50,000** **Annual: $1,922,350 /year**
Remote Operations Center (ROC) Support	• 24/7 Remote Monitoring and Support	Set-Up: $50,000 $198,000 /year
Field Support	• Preventative Maintenance • Corrective Maintenance Services at T&M • On-Site Advisory Services	$772,000 /year
Performance Management	• Performance Optimization • Site Availability Guarantee	$668,350 /year
Asset Management	• OEM Equipment Warranty Management • Spare Parts and Inventory Management	$284,000 /year

Lifecycle Services Discount	**One-time: $50,000** **Site Size Discount: 5%** **Annual: $1,826,233 /year**

Please see detailed scope information defined in the follow pages.

PROJECT SUMMARY

This proposal includes a complete system of integrated energy storage, EMS software, and professional services to ensure the best availability and performance of your site.

Project Name	**Chollas – Option 3**
Power / Energy Rating	250 MW / 1000 MWh
Number of Blocks	62
Inverter Model	Power Titan 2 Container
Battery Model	Sungrow Power Titan 2.0 - ST5015kWh 0.25C
Project Configuration	Stand-alone energy storage

PRODUCT / SERVICE	SCOPE	PRICE
System Supply Agreement		**One-time: $196,188,534**
EMS Supply	• Supply of HybridOS Controllers • FlexGen HybridOS Energy Management System • HybridOS EMS Integration • HybridOS EMS Commissioning and Support (Remote) *Additional Services (Networking, Testing) not included in total*	$173,143
	• Site and Local Controller Cabinets	$70,840
AC and DC Block	• AC and DC Block Equipment: Quantity 248 Sungrow Power Titan 2.0 - ST5015kWh 0.25C Battery Energy Storage Containers each rated at 5.015 MWh with integrated power conversion systems.	$195,144,551
OPTIONAL **Field Commissioning**	• Site Commissioning Services	$800,000

HybridOS License Agreement *Standard 5-year term*		**Annual: $223,000 /year** *License Fees are subject to 3% escalation*
Software License	• License to use HybridOS • 24/7 Remote Tech Support • Continual Software updates	$223,000 /year or $1,003,500 lump sum for 5 years

Lifecycle Services Agreement *Standard 5-year term*		**One-time: $50,000** **Annual: $1,854,450 /year**
Remote Operations Center (ROC) Support	• 24/7 Remote Monitoring and Support	Set-Up: $50,000 $186,000 /year
Field Support	• Preventative Maintenance • Corrective Maintenance Services at T&M • On-Site Advisory Services	$772,000 /year
Performance Management	• Performance Optimization • Site Availability Guarantee	$628,450 /year
Asset Management	• OEM Equipment Warranty Management • Spare Parts and Inventory Management	$268,000 /year

Lifecycle Services Discount	**One-time: $50,000** **Site Size Discount: 5%** **Annual: $1,761,728 /year**

Please see detailed scope information defined in the follow pages.

System Supply Agreement

Supply of BESS and PCS configured for your site’s needs

HybridOS EMS Supply

- Supply of HybridOS Controllers
- FlexGen HybridOS Energy Management System
- HybridOS EMS Integration
- HybridOS EMS Commissioning and support
- Site and Local Controller Cabinets

System Supply

- Supply of Battery Energy Storage Systems
- Supply of Power Conversion Systems

Optional Field Commissioning

- On-site Management and scheduling of the program
- Site Commissioning Services

EMS Services

Supply of HybridOS Controllers

One-time: Included

We will image and ship controllers that have the most current version of HybridOS with a manual with instructions for on-site installation.

HybridOS Controller Hardware

1	HybridOS Control Power Plant Controller Server hardware
1 per block	HybridOS Control Block Controller Server hardware (Excluded for PT2)
1	HybridOS Historian server hardware

HybridOS Controllers require a climate-controlled environment. Please see Data Specifications for storage requirements of our servers and additional information. Delivery is included.

FlexGen HybridOS Energy Management System

One-time: Included

Implementation of the current version of our HybridOS Control Energy Management System software platform that includes full remote control capabilities with interface for telemetry and power dispatch plus installation of selected software features with remote installation support. HybridOS will control:

- **Project Dispatch** – Control of project energy dispatch according to HybridOS EMS Control Specification
- **Utility Services** – compliance with grid requirements

Data Historian will provide complete operational data recording with tiered retention (31-day native sampling, 90-day at 1-minute intervals, 1-year at 15-minute intervals) using format-specific downsampling to preserve data integrity across all measurements

HybridOS Software setup fees

	Option 1	Option 2	Option 3
HybridOS Control Block	$544,000	$528,000	Excluded for PT2
HybridOS Control PPC	$136,000	$132,000	$124,000
HybridOS Historian	$15,000	$15,000	$15,000
HybridOS Analyze	$19,250	$19,250	$19,250

Continued on next page

EMS Services (continued)

HybridOS EMS Integration

Included

FlexGen provides comprehensive integration services for our HybridOS Energy Management System:

- **Virtual Environment Development** - Creation of project-specific emulation for pre-deployment functionality validation
- **Rigorous Testing Protocol** - Implementation of structured test plans verifying all features meet specifications defined in HybridOS EMS Control Specification and EMS Verification Tests
- **Industry-Standard Communications** - Provision of DNP3 interface points lists enabling seamless integration with Company-designated SCADA systems, including:
  - Server interface for real-time BESS telemetry transmission
  - Client interface for receiving standard BESS control points
  - Optional supplemental points lists for specialized market participation
- **Technical Configuration Support** - IP address configuration for all provided devices and assistance with SCADA integration to ensure compliance with grid requirements

HybridOS EMS Installation and Support (On Site)

Included

Our comprehensive on-site services include expert EMS commissioning and troubleshooting support including:

Pre-Installation Assessment – Site readiness evaluation, infrastructure verification, and coordination of implementation timeline

Hardware Deployment – Professional installation of HybridOS servers

Software Implementation – Deployment of HybridOS platform with project-specific control parameters, data historian configuration, and third-party system integration

Complete System Commissioning – Comprehensive testing and validation of all system components with documented performance verification and formal client handover

Troubleshooting Support – Technical support with any troubleshooting required for HybridOS or battery energy storage equipment installed on-site

EMS Services Deliverables Package – Delivery of all technical documentation within 30 days of purchase order, including data sheets, manuals, specifications, interface points lists, and reference materials

Site and Local Controller Cabinets

See Pg. 3-5 for Pricing

Site Cabinet

- Quantity of one (1) HybridOS Site Cabinet which houses the Site Controller and up to 4 ESS/local controllers in a weather protected, climate-controlled cabinet. Only required if E-House is not supplied by customer / EPC within site design.

Local Cabinet(s)

- FlexGen designed cabinets house additional controllers beyond the first 4 ESS/local controllers installed in the Site Cabinet. Each cabinet can house up to 4 ESS/local controllers. Only required if space is not available existing containers / cabinets.

AC and DC Block Supply – Option 1 – Gotion

AC Block

One-time

$21,159,118

Power System including sixty-eight (68) Sineng EH-5000 bi-directional power conversion systems each rated at 5.000 MVA with integrated medium voltage transformers.

Delivery to site DDP (Incoterms 2020) including ocean and overland shipment and delivery.

Design Assumptions and Clarifications:

- Medium-voltage switchgear is not included in the scope of supply.
- Plant auxiliary equipment, such as auxiliary power transformer and low voltage panelboard, are not included in FlexGen's scope.
- PCS standard 3-year warranty is included.
- DDP Pricing includes reciprocal tariff rate of 10% for imports from Saudi Arabia. Pricing is subject to change upon a change in tariff rates.
- The proposed configuration considers a PCS derating factor of 0.84.

DC Block

One-time

$248,140,805

Design assumes Energy Storage System including two hundred seventy-two (272) Gotion 0.25C DC-rated battery energy storage containers each rated at 5.015 MWh of DC rated nameplate energy storage capacity each with integrated UL certified fire suppression and liquid-cooled thermal management system.

Delivery to site DDP (Incoterms 2020) including ocean and overland shipment and delivery.

Design Assumptions and Clarifications:

- The battery equipment price will be fixed at the time of execution of the purchase order.
- Battery standard 3-year warranty is included.
- The proposed degradation curve is based on the following operating restrictions: 30min rest between full cycles, 30min rest between charge and discharge
- The proposed degradation curve considers resting SOC to be 0-50%.

AC and DC Block Supply – Option 2 – Trina

AC Block

One-time

Power System including one hundred sixty-six (66) Sungrow SC5000 bi-directional power conversion systems each rated at 5.000 MVA with integrated medium voltage transformers.

$21,919,968

Delivery to site DDP (Incoterms 2020) including ocean and overland shipment and delivery.

Design Assumptions and Clarifications:

- Medium-voltage switchgear is not included in the scope of supply.
- Plant auxiliary equipment, such as auxiliary power transformer and low voltage panelboard, are not included in FlexGen's scope.
- PCS standard 5-year warranty is included.
- DDP Pricing includes reciprocal tariff rate of 10% for imports from Thailand. Pricing is subject to change upon a change in tariff rates.
- The proposed configuration considers a PCS derating factor of 0.9.

DC Block

One-time

Design assumes Energy Storage System including two hundred sixty-four (264) Trina Elementa 2.0 DC-rated battery energy storage containers each rated at 5.015 MWh of DC rated nameplate energy storage capacity each with integrated UL certified fire suppression and liquid-cooled thermal management system.

$156,682,140

Delivery to site DDP (Incoterms 2020) including ocean and overland shipment and delivery.

Design Assumptions and Clarifications:

- The battery equipment price will be fixed at the time of execution of the purchase order.
- Battery standard 2-year warranty is included.
- DDP Pricing includes reciprocal tariff rate of 10% for imports from Indonesia. Pricing is subject to change upon a change in tariff rates.
- The proposed degradation curve is based on the following operating restrictions: 2hrs rest between cycles, 2hrs rest between charge and discharge
- The proposed degradation curve considers resting SOC to be 0-50%.

AC and DC Block Supply – Option 3 – PowerTitan2.0

AC and DC Block	**One-time**
Design assumes Energy Storage System including two hundred forty-eight (248) Sungrow Power Titan 2.0 DC-rated battery energy storage containers each rated at 5.015 MWh of DC rated nameplate energy storage capacity each with integrated UL certified fire suppression and liquid-cooled thermal management system. Power Titan 2.0 includes integrated power conversion systems and medium voltage transformer skids. Delivery to site DDP (Incoterms 2020) including ocean and overland shipment and delivery. Design Assumptions and Clarifications: • The battery equipment price will be fixed at the time of execution of the purchase order. • Sungrow standard 5-year warranty is included. • DDP Pricing includes reciprocal tariff rate of 10% for imports from Thailand. Pricing is subject to change upon a change in tariff rates. • The proposed degradation curve is based on the following operating restrictions: 2hrs rest between cycles, 2hrs rest between charge and discharge • The proposed degradation curve considers resting SOC to be 0-60%.	**$195,144,551**

Field Commissioning Services

Site Commissioning Services

See pricing on pages 3-5

Our end-to-end on-site commissioning services ensure proper system integration and operational readiness through a structured, methodical approach:

- **Cold Commissioning** - Thorough pre-energization inspection of all equipment installations, including verification of proper placement, connections, and grounding. Our team documents serial numbers, validates installation quality against industry standards, and completes manufacturer-specified checklists to ensure construction readiness.
- **Warm Commissioning** - Activation and configuration of auxiliary power systems with comprehensive network setup, including IP addressing, software deployment, and equipment parameter adjustment. We integrate balance of plant configurations, deploy initial server software, and verify communication across all system components.
- **Hot Commissioning** - Post-energization functional testing of all system components with manufacturer coordination. Our engineers validate individual component functionality, verify safety systems, and ensure accurate power measurements at the point of interconnection with proper scaling within the HybridOS interface.
- **EMS Commissioning** - Complete software implementation with validation testing to ensure system performance meets project specifications and site capabilities. Our team verifies proper integration with all connected devices and confirms data historian functionality.

These comprehensive services ensure your energy storage system achieves optimal performance with proper integration of all components while maintaining the highest standards of reliability and safety. Commissioning checklists and additional information can be provided upon request in context of evaluation of this proposal.

Note: Prior to Site Commissioning, we require documented mechanical completion with verified grounding, cable testing, terminations, and necessary studies. Our detailed pre-commissioning checklist provides clear guidance for construction teams to ensure readiness for our technical specialists.

Testing Services

Performance Testing Services

Custom Quote

Our comprehensive performance testing services validate your energy storage system's operational capabilities through rigorous, standardized assessment protocols:

- **Flexible Testing Framework** - Implementation of standard performance test procedures with accommodation for client-specific testing requirements following a collaborative review process
- **Capacity Test** - Demonstration of continuous power output capabilities and energy storage capacity through complete charge/discharge cycles with precise measurement at the point of interconnection
- **Round Trip Efficiency Test** - Documentation of system efficiency through multiple charge/discharge cycles with comprehensive monitoring of all energy flows, including auxiliary loads
- **Detailed Documentation** - Provision of complete test results with comprehensive data collection at one-second intervals to support thorough performance analysis
- **Technical Support** - Three consecutive days (20 labor hours) of dedicated engineer support for testing operations with additional assistance available as needed

Our performance testing services provide essential validation of your system's capabilities with precise measurements and thorough documentation to ensure compliance with project specifications.

Grid Qualification Testing Services

Custom Quote

Our comprehensive grid qualification testing services ensure your energy storage system meets all regulatory requirements for grid interconnection and market participation:

We provide expert support for independent system operator (ISO) and transmission/distribution service provider (TDSP) qualification testing through our HybridOS EMS software. Our services include comprehensive testing across multiple operational parameters to verify compliance with grid requirements.

Our standard package includes three consecutive weeks of on-site engineering support (150 labor hours) to facilitate these critical tests. We provide standardized test procedures while accommodating project-specific requirements to ensure successful qualification.

This comprehensive testing ensures your system meets all regulatory requirements for grid interconnection and market participation, providing a smooth pathway to commercial operation of your energy storage asset.

HybridOS™

Energy Management System, Site PPC, and Data Analytics Platform

FlexGen is proud to present HybridOS™

Our Energy Management System (EMS) solution for your battery energy storage project.

Selecting the right EMS is the most important decision an owner will make for the long-term success of an energy storage project.

It serves as the key driver of system availability and performance. Our advanced software platform is designed to optimize operations, enhance reliability, and deliver maximum value, regardless of the hardware selected for your system. Below, we outline the key advantages of partnering with FlexGen:

Hardware-Agnostic Solution

HybridOS™ is uniquely designed to work seamlessly with any battery energy storage hardware. Our platform comes pre-configured to integrate with most of Bloomberg New Energy Finance (BNEF) Tier 1 battery suppliers, reducing setup time and minimizing integration risks. This ensures flexibility and scalability, empowering you to select the best-in-class equipment for your project without compromising on performance.

Superior Service and Support

FlexGen places your project at the forefront. With an unparalleled combination of software, configuration, and field commissioning resources, we can dedicate the support you need at every stage of development. Our team's expertise and responsiveness ensure smooth implementation and rapid issue resolution, providing peace of mind and keeping your project on track.

Secure, American-Made Controls

Built in the USA, HybridOS™ incorporates trustless cybersecurity as a core feature of its architecture. This ensures robust protection against emerging cyber threats while adhering to the highest security standards. FlexGen safeguards your system and the critical data it handles, maintaining operational integrity and reliability.

Comprehensive Performance

HybridOS™ provides a more complete suite of capabilities, including cutting-edge real-time performance analytics. This allows for proactive system optimization, enabling you to monitor, predict, and improve system performance continuously. These insights translate into higher energy yields, lower operating costs, and a stronger return on investment.

With FlexGen, you're not just choosing software—you're choosing a trusted partner committed to the success of your energy storage project. Let us help you unlock the full potential of your battery energy storage system with a robust, secure, and scalable EMS solution.

For additional details or to discuss your specific project needs, don't hesitate to contact us.

HYBRIDOS™

ENERGY MANAGEMENT SYSTEM BENEFITS

Unmatched Flexibility
Seamlessly compatible with any hardware system.

Intuitive Interface
Manage multiple sites or assets from a single user interface.

One-Touch Commissioning
Automated testing for faster substantial completion

Virtual Simulator
All controls are pre-integrated in a simulated environment in our innovation lab

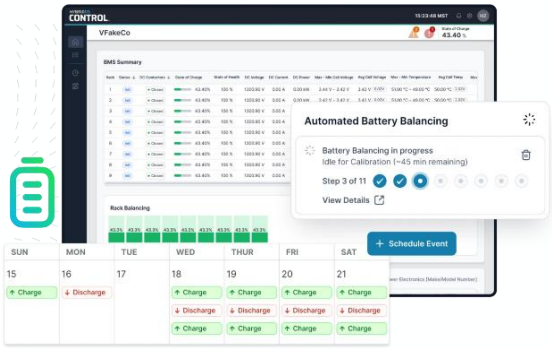
Made in the USA
HybridOS Software is developed onshore in the United States.

Dynamic BESS controls with accelerated analytics

HYBRIDOS CONTROL™

Watch Demo Video ↗

Seamless control through a user-friendly interface, giving insight to effectively operate your assets more reliably



Robust and reliable — Controls stand-alone energy storage and solar + storage sites of any size retaining the best elements of software platforms and open-source SCADA platform.

Purpose-built — Digital controls platform for energy storage are preconfigured for consistency, enabling advanced dispatch with speed, advanced SOC and calibration management, and block-by-block optimization.

Secure — built on NERC CIP and the most demanding utility specifications in the industry to be secure.

Integration — supports all leading communication protocols to work with any market or utility operational networks and systems.

Quick Troubleshooting – Faults and Alarms notifications at your fingertips and ability to pinpoint issues with alerts in plain English.

HYBRIDOS ANALYZE™

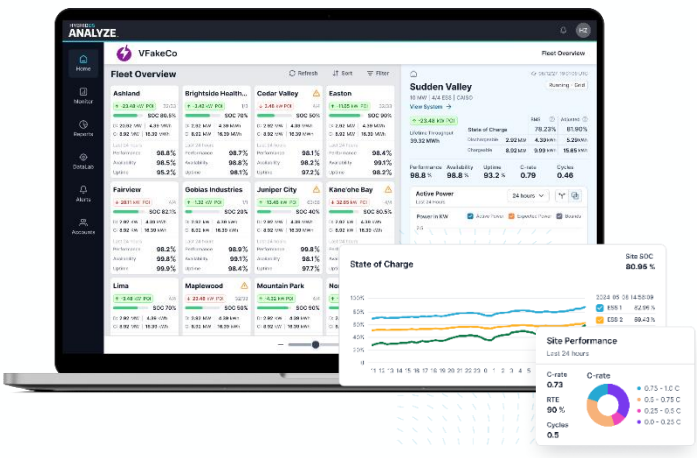
Remote monitoring and analytics to understand your site performance in near-real-time

Monitors the communication network within your site to capture alarms, system events and data generated from your site.

Stores & pushes information to one or more locations – data is encrypted, securely transmitted, and managed from end-to-end.

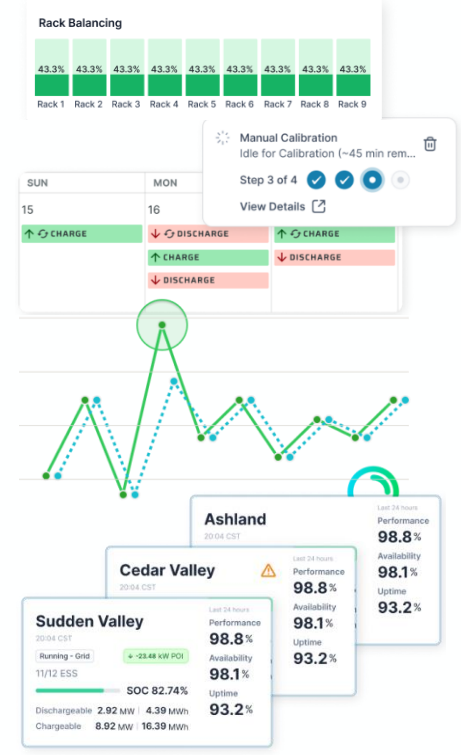
Advanced data visualization and proprietary algorithms to make a flood of data understandable and actionable.

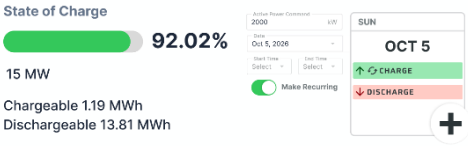
Digital Twin Performance Index — See how closely this site matches its optimized output as measured by FlexGen's Digital Twin.

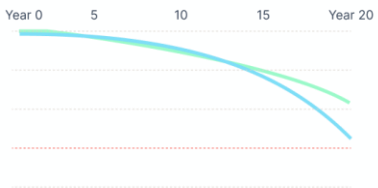


Software Features

HybridOS delivers easily-configurable features and tools designed with advanced control, monitoring, and diagnostic features that enhance performance, reliability, and ease of operation. Choose the features that matter most to you, your installation is tailored to match your site-specific needs.







Automated compensation algorithms and proprietary State of Charge stabilization

Whether due to preplanned maintenance, unexpected faults, or rack imbalances, HybridOS compensation algorithms have been field-trained to meet charge/discharge obligations while minimizing equipment and personnel risk. Mis-balanced racks receive unique commands to “arrive” in unison.

Digital Twin and State of Charge (SOC)

Cloud-based site simulations allow you to evaluate actual versus expected behaviors. When combined with AI-powered State of Charge (SOC) calculations, customers can measure stranded capacity to help make revenue-based maintenance decisions.

Remote Battery Controls and Automated Maintenance

Remotely control and adjust charging and discharging patterns, set performance parameters, and respond to real-time grid conditions. Execute complex calibration, balancing, and maintenance procedures with the click of a button.

User-friendly visuals and alert management from Fleet level down to Batter Management System (BMS) level

Reduce learning curves, increase clarity, and accelerate issue resolution with modern, enterprise-quality visualizations and customizable alert management.

State of Health (SOH)

Proprietary, cloud-based State of Health (SOH) algorithms display actual vs expected degradation curves for evaluation past operational impact on lifetime value and predicting the moment of augmentation.

ONE-TOUCH COMMISSIONING

Advanced Testing & Commissioning Process

Our Innovation Lab in Durham enables comprehensive pre-deployment testing that significantly accelerates field commissioning. Our proprietary One-Touch Commissioning process delivers controllers that arrive pre-configured for immediate installation, minimizing on-site integration time.

This approach combines AI-driven configuration development with rigorous validation protocols, including hardware-in-the-loop testing and controlled simulations. Our detailed commissioning methodology addresses all aspects of system activation while establishing robust contingency protocols, supported by 24/7 Remote Operations Center oversight to ensure optimal performance from day one.

Real-time lab simulations are an integral part of every project before it's shipped.

HybridOS Technical Requirements

The customer is required to provide the following information about the equipment and systems included in the project scope to support software implementation:

DNP3 or Modbus map for all applicable equipment required for BESS control:

- PCS
- Meter associated with Contractor's EMS point of control.

Voltage and Frequency control curves required to support features.

Technical information required to evaluate Company-provided UPS.

Remote connectivity and enhanced access during commissioning including the following:

- During commissioning, methods for continuous remote connectivity such as individual user SSL VPNs or a B2B IPSEC VPN between a FlexGen end-point and the site will be provided for FlexGen remote operators and support personnel to access and manage FlexGen-provided equipment and FlexGen-controlled equipment.
- After commercial operation, methods for intermittent remote connectivity such as individual user SSL VPNs will be provided for FlexGen remote operators and support personnel to access and manage FlexGen-provided equipment and FlexGen-controlled equipment as necessary to update software, configuration or otherwise support Buyer operation of the facility.
- During commissioning and continuing during commercial operation, a method for continuous secure data export such as a B2B IPSEC VPN between a FlexGen end-point and the site or another agreed method such as a direct encrypted upload to a FlexGen end-point will be provided for operation of HybridOS Analyze and for FlexGen remote monitoring.
- Mounting space, broadband access and power inside weather protected and environmentally controlled enclosure for FlexGen-provided equipment.

Clarifications and Exceptions:

Pricing is based on the use of equipment stated on pages 3-5.

Customer is responsible for installation of HybridOS Control servers in customer-provided racks in the PCS and/or battery energy storage equipment or alternative cabinets located on-site.

Pricing is valid for two weeks from date quoted.

HybridOS Version 12 Data Specifications

Control Modes

- Active Power Setpoint
- Energy Arbitrage
- Target SOC
- Reactive Power Setpoint
- Power Factor Mode
- Feed-forward Control
- Closed Loop Control
- Watt-Var Mode
- Reactive Closed Loop Control
- Voltage Regulation System
- Frequency Response Mode
- Automatic Voltage Regulation
- Dynamic State-of-Charge based Battery Balancing
- Voltage-based battery balancing
- Automated Calibration
- Solar Curtailment
- Solar Smoothing
- Integrated Scheduling

Protections

- Asset-level Power Limits
- Asset-level Ramp Rate Limits
- Aggregate Power Limits
- Aggregate Ramp Rate Limits
- Safe Operating Area
- Power Derating

Hardware Integrations

- SEL RTAC
- SEL Power Meters
- SEL Protective Relays
- Remote I/O
- Fire Suppression System (FSS)
- ION Power Meters
- Acuvim Power Meters
- UPS
- Any meter supporting modbus/DNP3 communication

Supported Interfaces

- Modbus
- DNP3
- REST API
- Time synchronization (NTP)

Aux Power Requirements

Controllers:
200W Gold Level power supply
Dimension: 76 W x 40.3 H x 192 L mm
AC Input: 200W: 100-240Vac / 50-60Hz,
+12V: Max: 16A / Min: 0.1A (100Vac-240Vac),
5V SB: Max: 2A / Min: 0A
Output Type: 20pin ATX
Certification: Gold Level

Historian:
400W Redundant Platinum Level power supplies
Dimension: 54.5 W x 40.25 H x 220 L mm
AC Input: 400W: 100-240Vac / 50-60Hz, 400W: 200-240Vdc / 50-60Hz,
+12V: Max: 33A / Min: 0A (100Vac-240Vac),
5V SB: Max: 3A / Min: 0A
Output Type: Backplanes (gold finger)

ISP requirements

Minimum speed suggested: 10Mbps up and 10Mbps down, influenced by site size.

Response Time

Faster than the most stringent industry standards require, including Fast Frequency Response (RRS-FFR).

Storage Requirements

HybridOS Controllers require a climate-controlled environment. The following are storage requirements for our servers.

Server Dimensions:
437 x 43 x 287mm (17.2” x 1.7” x 11.3”)
1U Height, Fits Standard 19” Rack

Environmental Specs:
Operating Temperature: 10°C~ 35°C (50°F~95°F),
Non-operating Temperature: -40°C– 70°C (-40°F–158°F),
Operating Relative Humidity: 8%–90% (non-condensing),
Non-operating Relative Humidity: 5%–95% (non-condensing)

Data Historian Specs

Server operating system: Red Hat or compatible Linux,
Sample rate: Full rate sampling (i.e. 100-500ms), arriving at a period of 1-5mins,
Data compression scheme: GZIP, Automatic data transfer to cloud.
Data Storage: Full rate data points stored for 30 days, then downsampled to 1 second until 90 days when downsampled to 1 min, then dropped after 1 year. All archives are stored for 1 year.

Controller Specs

Server operating system: Red Hat or compatible Linux

Processor: CML W-1250 1P 6C/12T 3.3G 12M 80W P630 1200H5 G1

Memory: [NR]32GB DDR4-3200 2Rx8 (16Gb) ECC UDIMM,HF,RoHS

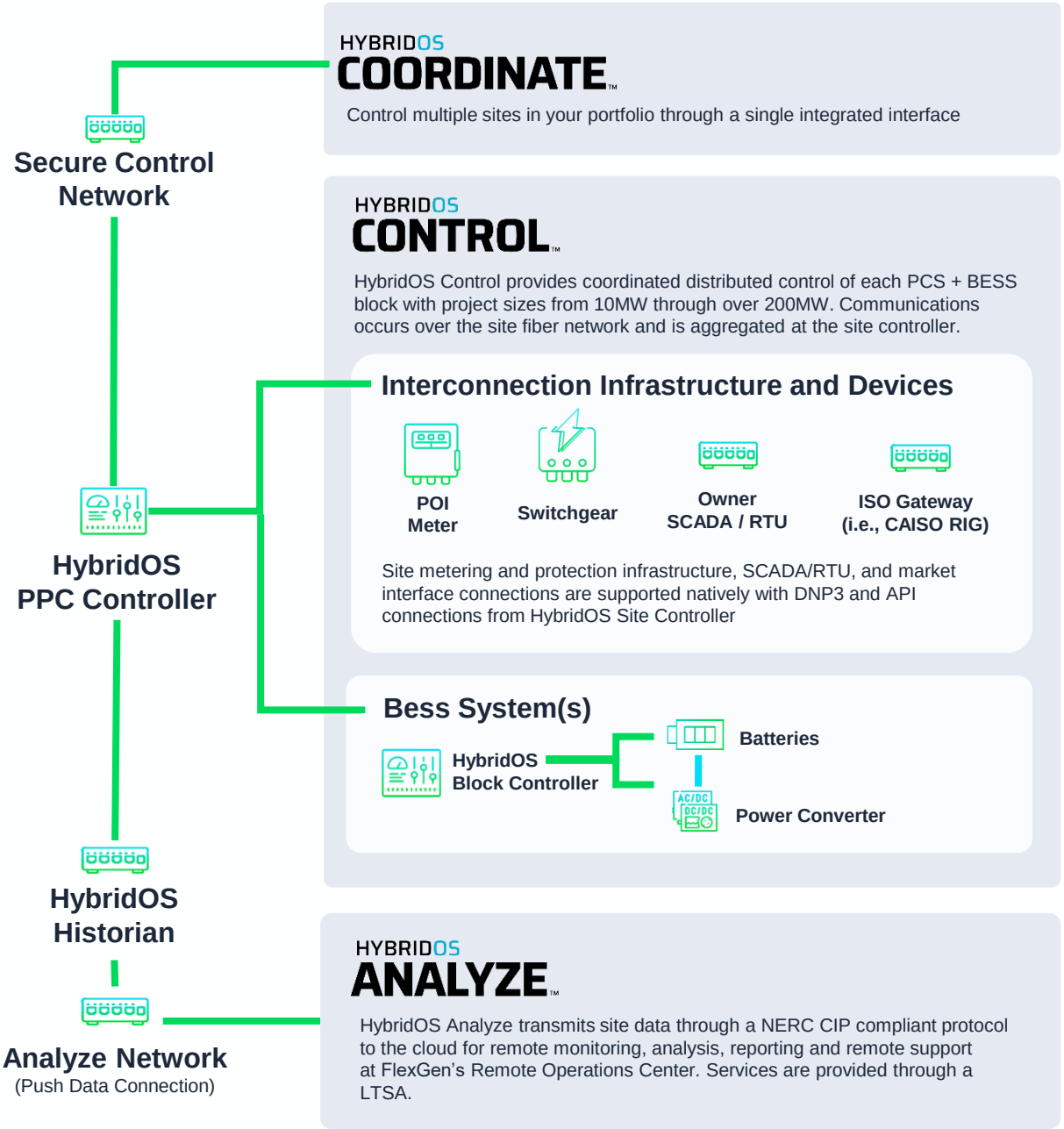
Drive: Samsung PM9A3 960GB NVMe PCIe Gen4 V6 M.2 22x110M (1DWPD) SED

Limitations

Up to 150 ESS blocks per HybridOS Power Plant Controller

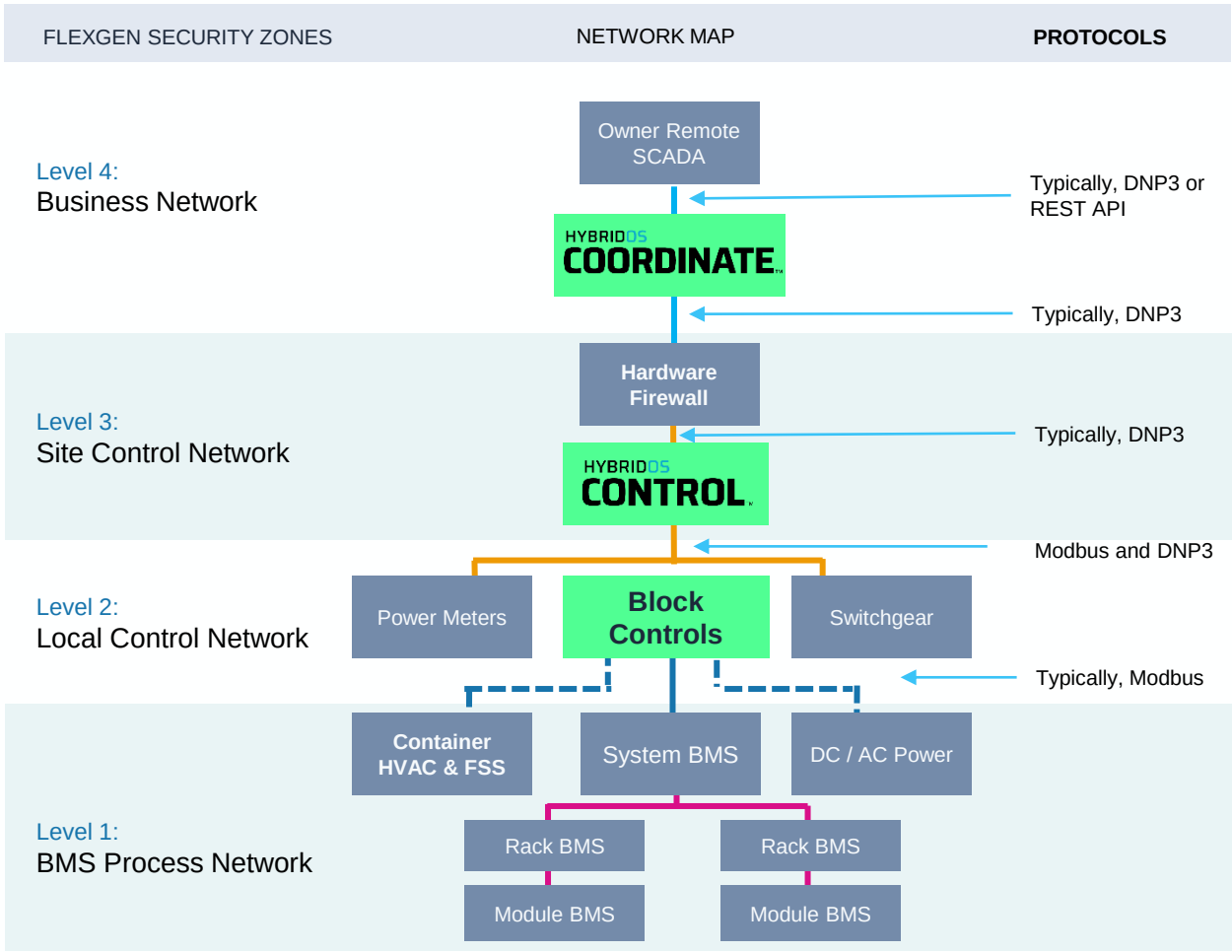
HybridOS Site Network Architecture

HybridOS is located on premises and in the cloud. The following diagram illustrates where physical equipment is located and how it communicates, as well as cloud-based applications.



HybridOS Control Site Network Configuration

HybridOS can be configured to work within the confines of your specific network security site design & multiple security zones. We aim to separate 3rd party BMS & PCS firmware from the control network, are ISO27001 certified and follow rigorous internal SDLC processes.



HybridOS Supported Protocols:

1. Modbus Server and Client
2. DNP3 Server and Client
3. REST API server
4. Additional protocols available upon request

Integrated Energy Storage System

Technical specifications of the AC and DC Block equipment designed per your site’s specifications.

AC and DC Block of Supply

- Technical Solution and Performance
- System Round-Trip Efficiencies
- Capacity Maintenance
- Degradation and Augmentation

Technical Solution and Performance

This proposal is based on the following technical solution and vendor equipment selected for this application. Specification sheets and additional technical information are provided in this section. The project is designed to meet the technical criteria as defined by Strata Clean Energy's RFP documentation.

Technical Considerations	
Point of Interconnection (POI):	High voltage side of Generator Step-Up Transformer
HV Interconnection Voltage (kV):	138.0
MV Interconnection Voltage (kV):	34.5
Design Power Factor:	0.95
Cycles per Year:	365
Auxiliary Loads Power (Including/Excluding):	EXCLUDING
Auxiliary Loads Energy (Including/Excluding):	EXCLUDING
BOL Round-Trip Efficiency @ MV Bus:	86.21%
AC	
PCS Model:	Sineng EH-5000-HD-UB-US-34.5
PCS Size (MVA):	5.00
PCS Qty:	68
Nameplate Power (MVA):	340
Active Power @ POI (MW):	298.54
DC	
Battery Container Model:	Gotion5.015MWh 0.25C
Battery Container Size (MWh):	5.0150
Battery Container Qty:	272
Nameplate Energy (MWh):	1364.0800

System Round-Trip Efficiency Calculation

This proposal is based on the following system efficiency assumptions across the AC, DC, and Balance of Plant equipment and conductors. Some or all this equipment may be out of FlexGen's scope of supply. If specific efficiency values are known to be different than shown, please reach out to your FlexGen point of contact for an updated proposal.

System Efficiency Assumptions	
DC Cable Eff	99.8%
DC-DC Conv Eff	N/A
PCS Eff	97.8%
MVT Eff	99.0%
MV Collection System Eff	99.0%
GSU Eff	99.3%
HV POI Eff	100.0%
MVT Impedance	10.0%
GSU Impedance	16.0%

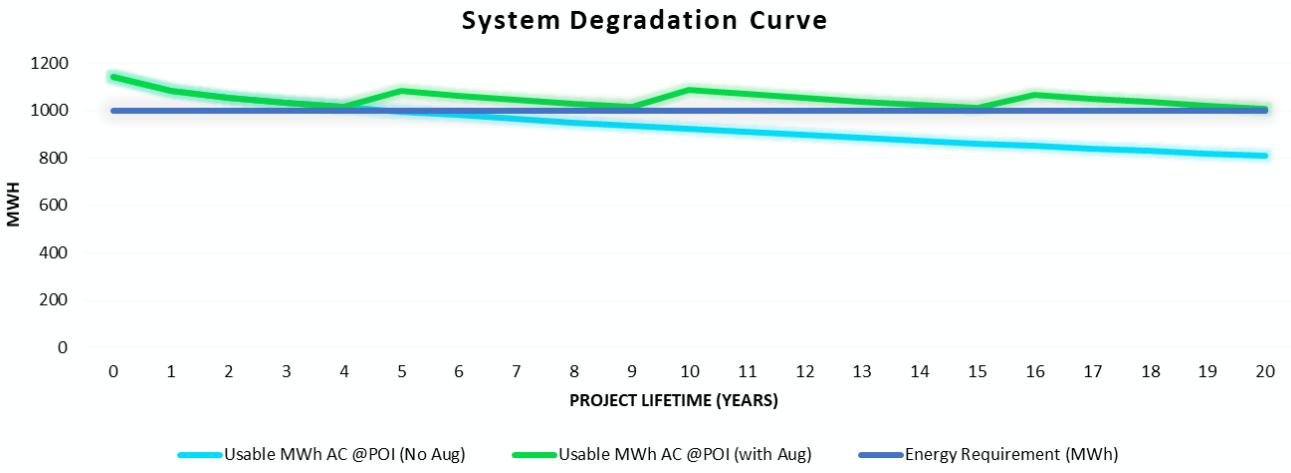
Capacity Maintenance

250 MW / 1000 MWh Configuration

The following chart illustrates estimated degradation and augmentation schedule based on 365 full depth of discharge cycles per year.

Year	AC Usable Energy at POI No Augmentation	AC Usable Energy at POI With Augmentation	BESS State of Health (SOH)
0	1140.52	1140.52	97.06%
1	1081.04	1081.04	92.05%
2	1054.45	1054.45	89.81%
3	1032.48	1032.48	87.96%
4	1013.13	1013.13	86.33%
5	995.44	1083.66	84.84%
6	979.17	1062.73	83.47%
7	963.74	1045.03	82.17%
8	949.13	1028.87	80.94%
9	935.24	1013.56	79.77%
10	921.70	1086.65	78.63%
11	908.76	1067.83	77.54%
12	896.30	1051.99	76.49%
13	884.07	1037.13	75.46%
14	872.19	1022.62	74.46%
15	860.68	1008.51	73.49%
16	849.40	1065.66	72.54%
17	838.36	1048.63	71.61%
18	827.55	1034.05	70.70%
19	816.98	1020.14	69.81%
20	806.54	1006.52	68.93%

Degradation and Augmentation



Augmentation Schedule			
	Year	MVA	MWh DC
First	5	25	100.30
Second	10	25	100.30
Third	16	20	80.24
TOTAL		70	280.84

Technical Solution and Performance

This proposal is based on the following technical solution and vendor equipment selected for this application. Specification sheets and additional technical information are provided in this section. The project is designed to meet the technical criteria as defined by Strata Clean Energy's RFP documentation.

Technical Considerations	
Point of Interconnection (POI):	High voltage side of Generator Step-Up Transformer
HV Interconnection Voltage (kV):	500.0
MV Interconnection Voltage (kV):	34.5
Design Power Factor:	0.95
Cycles per Year:	365
Auxiliary Loads Power (Including/Excluding):	EXCLUDING
Auxiliary Loads Energy (Including/Excluding):	EXCLUDING
BOL Round-Trip Efficiency @ MV Bus:	86.39%
AC	
PCS Model:	Sungrow SC5000UD+MVT P3
PCS Size (MVA):	5.00
PCS Qty:	66
Nameplate Power (MVA):	330
Active Power @ POI (MW):	287.10
DC	
Battery Container Model:	Trina Elementa 2.0 0.25C
Battery Container Size (MWh):	5.0150
Battery Container Qty:	264
Nameplate Energy (MWh):	1323.9600

System Round-Trip Efficiency Calculation

This proposal is based on the following system efficiency assumptions across the AC, DC, and Balance of Plant equipment and conductors. Some or all this equipment may be out of FlexGen's scope of supply. If specific efficiency values are known to be different than shown, please reach out to your FlexGen point of contact for an updated proposal.

System Efficiency Assumptions	
DC Cable Eff	99.8%
DC-DC Conv Eff	N/A
PCS Eff	97.8%
MVT Eff	99.0%
MV Collection System Eff	99.0%
GSU Eff	99.3%
HV POI Eff	100.0%
MVT Impedance	10.0%
GSU Impedance	16.0%

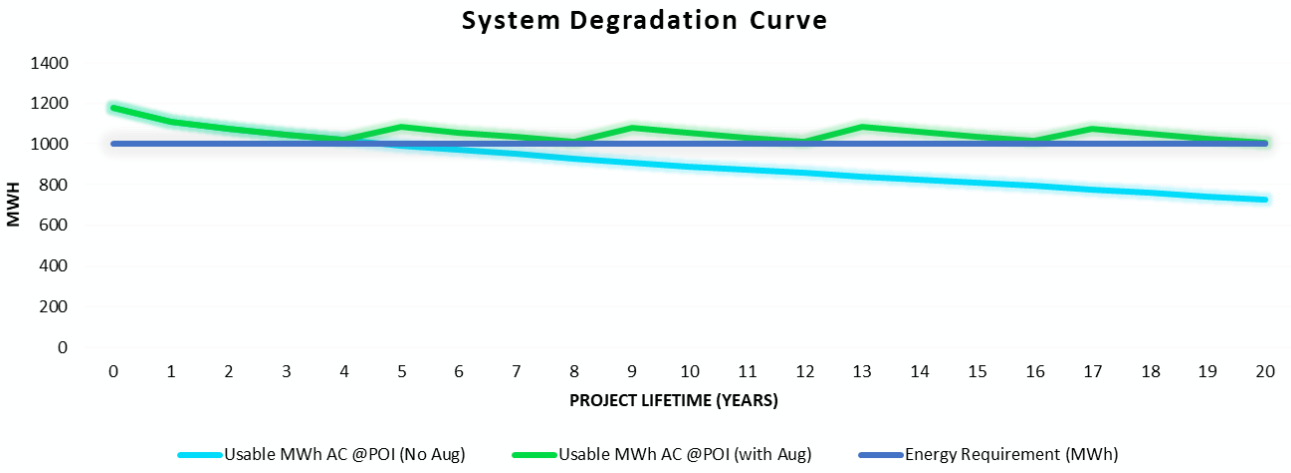
Capacity Maintenance

250 MW / 1000 MWh Configuration

The following chart illustrates estimated degradation and augmentation schedule based on 365 full depth of discharge cycles per year.

Year	AC Usable Energy at POI No Augmentation	AC Usable Energy at POI With Augmentation	BESS State of Health (SOH)
0	1177.45	1177.45	96.62%
1	1110.63	1110.63	91.27%
2	1075.34	1075.34	88.44%
3	1046.30	1046.30	86.12%
4	1019.75	1019.75	84.00%
5	994.42	1085.45	81.97%
6	971.60	1057.57	80.15%
7	951.29	1034.58	78.53%
8	930.95	1012.04	76.90%
9	910.57	1080.68	75.28%
10	891.44	1054.57	73.75%
11	875.22	1033.94	72.46%
12	858.98	1013.96	71.16%
13	842.71	1085.16	69.87%
14	826.41	1060.34	68.57%
15	810.09	1038.16	67.27%
16	793.74	1016.84	65.97%
17	777.35	1077.59	64.67%
18	760.93	1051.92	63.37%
19	744.47	1028.63	62.07%
20	727.97	1006.14	60.76%

Degradation and Augmentation



Augmentation Schedule			
	Year	MVA	MWh DC
First	5	25	100.30
Second	9	25	100.30
Third	13	25	100.30
Fourth	17	22.5	90.27
TOTAL		97.5	391.17

Technical Solution and Performance

This proposal is based on the following technical solution and vendor equipment selected for this application. Specification sheets and additional technical information are provided in this section. The project is designed to meet the technical criteria as defined by Strata Clean Energy's RFP documentation.

Technical Considerations	
Point of Interconnection (POI):	High voltage side of Generator Step-Up Transformer
HV Interconnection Voltage (kV):	138.0
MV Interconnection Voltage (kV):	34.5
Design Power Factor:	0.95
Cycles per Year:	365
Auxiliary Loads Power (Including/Excluding):	EXCLUDING
Auxiliary Loads Energy (Including/Excluding):	EXCLUDING
BOL Round-Trip Efficiency @ MV Bus:	88.06%
Power Titan 2	
PCS Model:	6 units of SCH210-US, integrated in Power Titan 2 container (0.25C system)
PCS Size per Container (MVA):	1.25
Container Qty:	248
Nameplate Power (MVA):	310.00
Active Power @ POI (MW):	263.87
Battery Container Size (MWh):	5.0150
Nameplate Energy (MWh):	1243.720
Medium Voltage Power Station (MVPS)	
MVPS Model:	MVS5000-LV-US
MVPS Qty:	62.0
MVPS Unit Rating (kVA):	5,140

System Round-Trip Efficiency Calculation

This proposal is based on the following system efficiency assumptions across the AC, DC, and Balance of Plant equipment and conductors. Some or all this equipment may be out of FlexGen's scope of supply. If specific efficiency values are known to be different than shown, please reach out to your FlexGen point of contact for an updated proposal.

System Efficiency Assumptions	
DC Cable Eff	99.8%
DC-DC Conv Eff	N/A
PCS Eff	97.8%
MVT Eff	99.0%
MV Collection System Eff	99.0%
GSU Eff	99.3%
HV POI Eff	100.0%
MVT Impedance	10.0%
GSU Impedance	16.0%

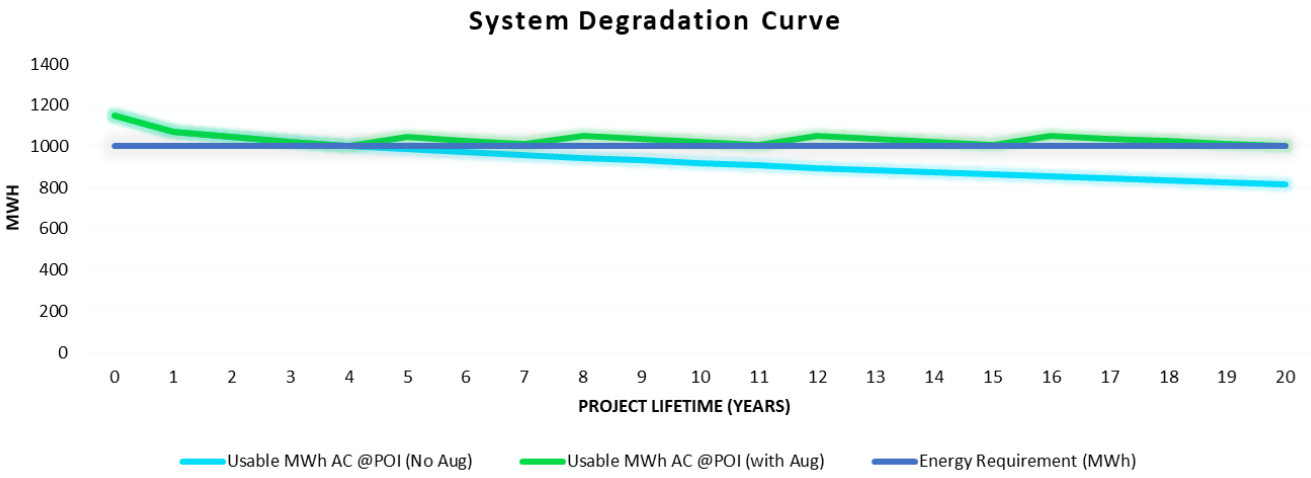
Capacity Maintenance

250 MW / 1000 MWh Configuration

The following chart illustrates estimated degradation and augmentation schedule based on 365 full depth of discharge cycles per year.

Year	AC Usable Energy at POI No Augmentation	AC Usable Energy at POI With Augmentation	BESS State of Health (SOH)
0	1149.32	1149.32	98.33%
1	1071.60	1071.60	91.75%
2	1044.77	1044.77	89.48%
3	1023.28	1023.28	87.66%
4	1004.64	1004.64	86.08%
5	987.89	1044.67	84.66%
6	972.49	1025.51	83.35%
7	958.13	1009.86	82.14%
8	944.61	1052.09	80.99%
9	931.79	1034.60	79.91%
10	919.54	1020.25	78.87%
11	907.81	1006.73	77.88%
12	896.51	1050.62	76.92%
13	885.60	1034.48	76.00%
14	875.03	1021.26	75.10%
15	864.78	1008.68	74.23%
16	854.81	1053.37	73.39%
17	845.10	1037.92	72.57%
18	835.62	1025.28	71.76%
19	826.37	1013.21	70.98%
20	817.31	1001.56	70.21%

Degradation and Augmentation



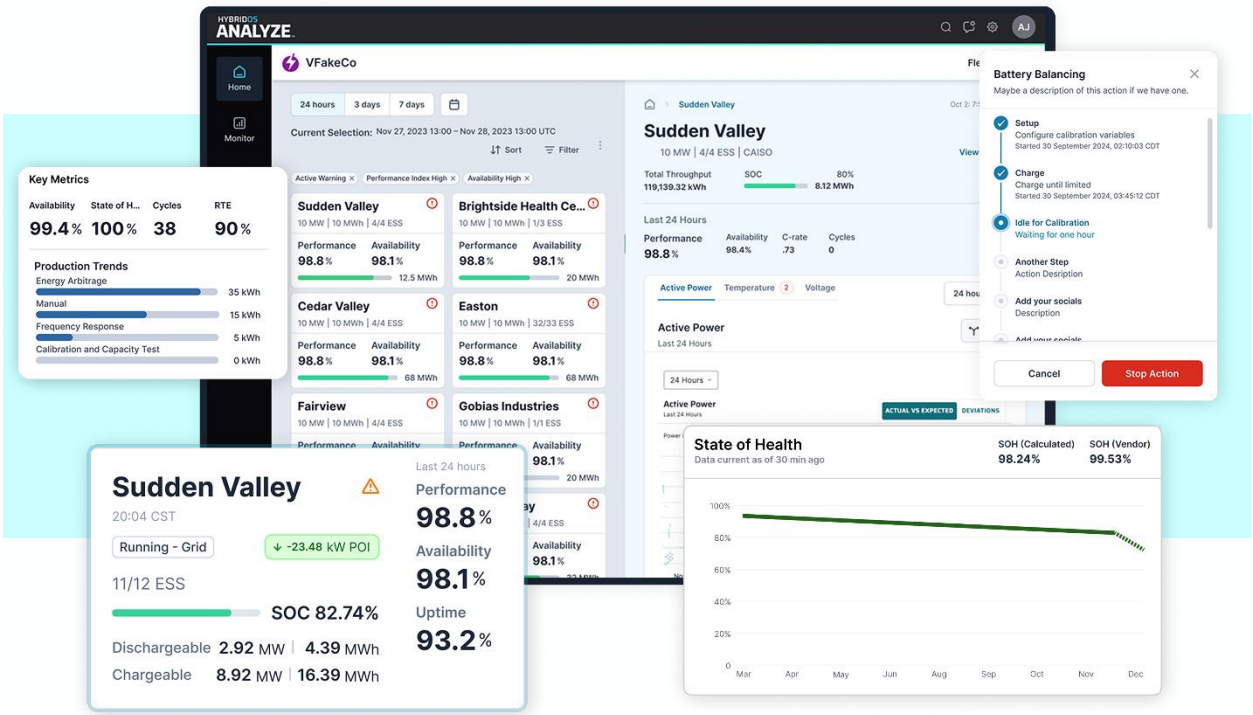
Augmentation Schedule			
	Year	MVA	MWh DC
First	5	15	60.18
Second	8	15	60.18
Third	12	15	60.18
Fourth	16	15	60.18
TOTAL		60	240.72

HybridOS™ License Agreement

Supply of EMS configured and tested to work seamlessly with your site’s equipment

HybridOS™ Software License

- License to use HybridOS
- 24/7 Tech Support
- Software updates



Subscription licensing ensures ongoing value and support

Asset owners benefit from the latest advancements, enhanced security, and superior support throughout the life of their projects.

Software licenses are provided for each HybridOS Control™ product (Block, PPC, BMS) HybridOS Analyze™, and HybridOS Coordinate™. Additional licenses may be purchased to provide third-parties and service partners with HybridOS access. The license can be paid on an ongoing annual basis or pre-paid up-front at a discount.

Software License

License to use HybridOS

Included

Includes the following:

All software licenses are enterprise licenses and are provided on a per-domain or per-company basis. Each new site and company requires an additional license.

- **Limited software defect warranty** – Our commitment to quality means your software is backed by a limited defect warranty, ensuring smooth operation and reliability. If issues arise, we address them promptly, minimizing disruptions and keeping your business running efficiently.
- **Automatic Renewal** - ensure uninterrupted access, predictable pricing, and continued support.

HybridOS Software License Fees

	Option 1	Option 2	Option 3
HybridOS Control Block	$34,000	$33,000	Excluded for PT2
HybridOS Control PPC	$37,000	$36,000	$34,000
HybridOS Historian	$3,000	$3,000	$3,000
HybridOS Analyze	$204,000	$198,000	$186,000

24/7 Software Tech Support

Included

Get remote software support from the FlexGen Remote Operations Center (ROC).

ROC support enables asset owners to maximize the value of their HybridOS software with quick responses and access to experts who can assist with any software-related issue.

- **Comprehensive support** includes access to our expert team troubleshooting resources, and training updates.

Software Updates

Included

Continuous innovation ensures that our customer stay ahead of the market with access to new features, security enhancements and more.

- **Access continuous updates**, such as independent state of charge algorithms, updates to grid operating protocols, and automated testing and maintenance protocols.
- **Enhanced system reliability –** Regular software updates address emerging cybersecurity threats, improve stability, and enhance compatibility with evolving hardware standards, ensuring long-term reliability and compliance with industry regulations.

Lifecycle Services

Expert support to ensure the performance and availability of your BESS project

Remote Operations Center (ROC) Support

- 24/7 Remote Monitoring and Support

Field Support

- Preventative Maintenance
- Corrective Maintenance
- On-Site Advisory Services

Performance Management

- Performance Optimization
- Performance Guarantees
- HybridOS Software Availability Guarantee
- Site Availability Guarantee
- Response Time Guarantee

Asset Management

- OEM Equipment Warranty Management
- Initial Stock of Spare Parts
- Spare Parts and Inventory Management

Ensure the performance and availability of your project

Asset owners who leverage Lifecycle Services see industry-leading site availability.

Powered by FlexGen's proprietary HybridOS™ EMS Software, the team of Lifecycle Services professionals can quickly detect, evaluate, and act on issues and opportunities with speed and accuracy. With experts available at every stage of the lifecycle, our team can grow with you and assist with a flexible array of services. All offerings are customizable, so you may choose the suite of services and level of support needed for your battery energy storage project.

Remote Operations Center (ROC) Support

24/7 Remote Monitoring and Support

Based in Durham, North Carolina, our ROC proactively manages your energy storage system around the clock, using advanced analytics and AI-driven tools to detect, evaluate, and resolve issues before they impact operations, ensuring seamless system operation while adhering to industry-leading cybersecurity standards (ISO 27001, NERC-CIP).

Setup Fee:
$50,000

Annual Fee:
Included

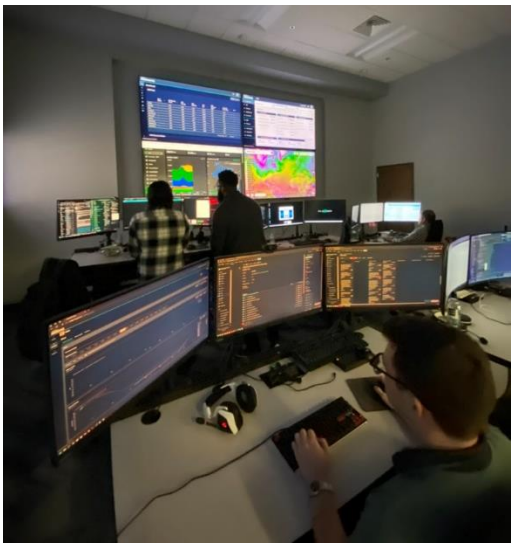
With our **24/7 Remote Monitoring & Expert Support**, you gain peace of mind, operational resilience, and maximized system performance—allowing you to focus on your core business while we handle the complexities of energy storage management.

- **Continuous Performance Monitoring** – Real-time, 24/7 system oversight with AI-driven analytics, instant alerts, and intuitive dashboards that anticipate potential issues.
- **Expert Troubleshooting & Emergency Response** – Our specialists rapidly identify trends and root causes, ensuring transparent communication and fast resolutions. When on-site support is needed, certified field service teams can be dispatched 24/7.
- **Equipment Warranty Data Support** – Each OEM has a process for initiating warranty claims. We manage the collection of your data according to your specific equipment requirements. With organizational support, our data acquisition, safeguarding techniques, and reporting while tracking and delivering detailed root cause analyses from OEMs expedite issue resolution.

ROC Services shall be required for any Service as further detailed in this Proposal.

Actively monitoring over
80+ battery energy storage sites

Totaling over
1.8GW and **4.7**GWh.



State-of-the-art ROC in Durham, North Carolina, 24/7.

Field Support

Preventative Maintenance Services

Included

Ensure your energy storage system remains optimized, compliant, and reliable through proactive planning, expert execution, and industry-aligned best practices.

By leveraging proactive maintenance strategies and expert oversight, we help you minimize downtime, extend asset lifespan, and maximize operational efficiency.

- **Annual Planning & Performance Tracking** – We develop and execute a customized maintenance plan, aligning with energy dispatch schedules while providing detailed performance reports to track system health.
- **OEM-Compliant Maintenance & Site Management** – Our programs adhere to OEM specifications and industry standards, with our team overseeing contractors and site operations to ensure seamless execution.
- **Expert Technicians & Strategic Partnerships** – With 30+ Service Engineers nationwide and OEM-certified Authorized Service Providers (ASPs), we deliver high-quality maintenance and warranty-backed support for long-term system reliability.

Corrective Maintenance Services

Annual Fee:
Cost Reimbursable (T&M)

We provide rapid response and resolution to unexpected issues, minimizing downtime and restoring optimal system performance through:

- **Unplanned Maintenance Resolution** - Swift remediation of non-warranty maintenance needs with minimal operational disruption
- **Expert Technical Support and Spare Parts Supply** - Specialized service technicians equipped with OEM-compliant spare parts and consumables to restore system reliability
- **Quality Assurance** - Standard workmanship warranty on all corrective maintenance services and components

Our Corrective Maintenance Services ensure your energy storage system maintains operational efficiency with minimal interruption.

On-Site Advisory Services

Engagement fee:
1 Engagement at $10,000
+Travel Costs +15%

Optimize performance, safety, and longevity with our expert evaluation and actionable recommendations for system improvements.

- **Comprehensive Site & System Assessment** – We conduct in-depth physical inspections to evaluate safety, equipment conditions, and overall system health.
- **Optimization & Improvement Recommendations** – Our experts assess critical components, including batteries, PCS, balance of plant, foundations, skids, and surveillance systems, providing tailored strategies for enhancement.
- **General Maintenance Evaluation** – We review site infrastructure, including roads, vegetation, and fencing, to ensure compliance, accessibility, and long-term operational integrity.

With our On-Site Advisory Services, you gain expert insights and proactive solutions to maintain a safe, efficient, and high-performing energy storage system.

Performance Management

Performance Optimization

Engagement fee:
1 Engagement at $10,000

Leverage advanced analytics and monitoring tools to ensure optimal performance, reliability, and efficiency of your energy storage system.

With Performance Optimization, you gain data-driven insights and proactive strategies to maximize the value and longevity of your energy storage system.

- **Comprehensive Performance Monitoring** – We analyze key metrics such as State of Health (SOH), State of Charge (SOC), efficiency, and degradation trends to assess system condition and make proactive recommendations to ensure system longevity.
- **Advanced Fault Detection & Diagnostics** – Utilizing sophisticated algorithms, we detect anomalies and deviations from expected behavior, enabling proactive issue resolution.
- **Strategic Optimization Techniques** – Our experts fine-tune system settings, control algorithms, and operational parameters to enhance efficiency and reliability.
- **Predictive Analytics & Condition Monitoring** – We anticipate potential degradation and enable proactive maintenance strategies that minimize downtime and repair costs.
- **Proactive Maintenance Planning** – By identifying maintenance needs in advance, we help extend the lifespan of battery storage assets while ensuring uninterrupted operations.

Performance Guarantees

Included

Ensure measurable and reliable performance with validated metrics and compliance with contractual agreements.

With our Performance Guarantees, you gain assurance of system reliability, contractual compliance, and optimized financial performance.

- **Guaranteed Performance Metrics** – We offer Power, Energy Capacity, and Round-trip Efficiency (RTE) guarantees to be defined on a per-site basis.
- **Annual Performance Testing & Compliance** – Testing is conducted per OEM specifications and warranty requirements to validate system performance and ensure compliance. Tests are performed remotely through our Remote Operations Center (ROC) and scheduled in collaboration with customers, to align with periods of low market pricing to minimize impact.

HybridOS Software Availability Guarantee (EMS Scope Only)

Not Included

Ensure continuous software access with minimized disruptions.

With our Software Availability Guarantee, you gain continuous system access, operational confidence, and a seamless user experience, backed by industry-leading reliability and support.

- **Guaranteed Software Uptime & Reliability** – We commit to a defined software availability percentage, ensuring uninterrupted access to critical monitoring, analytics, and control functions.
- **Scheduled Maintenance with Minimal Impact** – All updates, patches, and system improvements are carefully scheduled and executed to minimize operational disruptions while enhancing functionality and security.

Performance Management continued

Site Availability Guarantee

Included

Ensure consistent system performance and operational reliability aligned with industry best practices and real-world conditions.

With our Site Availability Guarantee, you gain clear performance assurances, system-wide reliability, and adherence to industry standards, helping you maximize the value of your energy storage investment.

- **Comprehensive Site Availability Commitment** – We guarantee the entire Battery Energy Storage System (BESS), ensuring dependable performance.
- **OEM-Specific Availability Coverage** – While OEMs provide availability guarantees for their individual equipment, our guarantee encompasses the full system for broader operational assurance.
- **Industry-Aligned Availability Calculation** – Our Availability Guarantee Formula follows FlexGen's standardized methodology, ensuring alignment with industry best practices for accurate performance measurement.
- **Fair & Practical Exclusions** – Outages caused by events beyond FlexGen's control are excluded from the Availability Guarantee Formula, ensuring a realistic and equitable approach to system uptime commitments.

Response Time Guarantee

Not Included

Speed matters when it comes to energy storage operations. Our Response Time Guarantee ensures that the FlexGen Remote Operations Center (ROC) provides swift and effective action when you need it most.

With our Response Time Guarantee, you gain assured support, real-time monitoring, and rapid intervention, keeping your energy storage system running smoothly and efficiently.

- **Immediate Technical Support** – We guarantee a rapid response to any technical inquiry from a BESS owner, ensuring minimal delays in troubleshooting and resolution.
- **Proactive Issue Resolution** – The moment an issue is detected at a site, our ROC team takes swift action, leveraging advanced monitoring tools to diagnose and address the problem before it impacts operations, and dispatch professionals at the Site when needed.

Asset Management

OEM Equipment Warranty Management

Included

Take advantage of speedy claim handling, rapid troubleshooting, warranty term compliance to keep your system running at peak performance.

With OEM Equipment Warranty Management, you gain hassle-free claims, expert repairs, and long-term system reliability.

- **End-to-End Warranty Handling** – We manage the entire warranty claim process, from filing and OEM communication to timely resolution and compliance.
- **Efficient Troubleshooting & Repairs** – Our team conducts root cause analysis, dispatches technicians, and sources spare parts to facilitate on-site repairs.
- **Strategic Coordination & Supervision** – We oversee supply chain logistics, OEM service providers, and FlexGen ASP technicians to ensure smooth claim execution.
- **Proactive Compliance & Emergency Response** – Through continuous monitoring, we keep equipment within warranty requirements and can provide corrective maintenance.
- **Supplier Corrective Action Program (SCAR)** – For major incidents, we apply Root Cause Analysis to enhance reliability and prevent recurring issues.

Initial Stock of Spare Parts

Initial Spare Part Fee:
Upon request

Ensure uninterrupted availability with a strategically planned initial stock of BESS spare parts, minimizing downtime and optimizing system performance.

With a readily available spare parts inventory, your energy storage system remains resilient, reliable, and prepared to minimize downtime.

- **No waiting on shipments** – Critical components are readily stocked, ensuring rapid response to maintenance needs.
- **Proactive Inventory Management**– Enable fast repairs and continuous efficiency, reducing operational disruptions.

Spare Parts and Inventory Management

Included

Ensure the right parts are available when needed, streamlining maintenance and minimizing downtime.

By coordinating with OEMs for warranty replacements and offering customized warehousing solutions, we help you maintain safe operations and maximize system availability.

- **Comprehensive Spare Parts Support** – We supply spare parts and consumables for both preventative and corrective maintenance, ensuring continuous system performance.
- **Inventory Management & Tracking** – Our inventory management system allows for efficient spare parts checkout, tracks monthly usage, and provides detailed reports on inventory levels along with data-driven procurement recommendations to maintain stock.
- **Proactive Spare Parts Planning** – We build and maintain the spare parts inventory database, provide periodic recommendations for adjustments, and include a spare parts inventory report in each monthly maintenance update to ensure long-term availability.

Division of Responsibilities

The table below outlines a comprehensive Lifecycle Services solution with FlexGen. If third parties handle tasks from the FlexGen column, pricing may be reduced. Contact us for adjustments.

CATEGORY	SERVICE	FLEXGEN	OWNER	NOTES
Remote Monitoring & Support	Remote Monitoring and Support	✓	-	Fault and Alarm Clearing/Operations. Notification when outages occur.
	Equipment Warranty Data-Provisioning	✓	-	Supporting Root Cause Analysis from OEMs.
	Performance Management	✓	-	Providing actionable recommendations to ensure optimal performance, reliability, and efficiency of the system.
Reporting /Analytics	Monthly Key Performance Indicator (KPI) Report	✓	-	Provided via HybridOS™ Analyze.
	Monthly Maintenance Report	✓	-	Provided by ROC Technicians.
Equipment Warranty Management	OEM Equipment Standard and Extended Warranties	-	✓	Provided by OEMs, which can be provided through FlexGen Supply Agreement.
	Battery and PCS Warranty Management	✓	-	Includes monitoring for warranty claims, filing warranty claims, ensuring warranty work completed.
	HybridOS™ Hardware Warranty	✓	-	HybridOS™ Control warranty included for first 2 years with Supply Agreement.
Maintenance	Preventative Maintenance - BESS, PCS, HybridOS hardware	✓	-	Per manufacturer recommendation.
	Preventative Maintenance - BoP	-	-	*Optional adder.*
	Preventative Maintenance - HV	-	-	*Optional adder.*
	Site/Grounds Maintenance	-	-	*Optional adder.*
	Physical Security & Surveillance	-	✓	
	FSS Inspection	-	-	*Optional adder.*
	Meter Calibration	-	-	*Optional adder.*
	Maintenance Coordination	✓	-	Contractor to coordinate maintenance activities with OEMs and subcontractors.
Performance Management (ROC Req'd)	Power, Energy Capacity and RTE Guarantees	✓	-	Can be extended at additional cost if owner purchases extended warranties.
	Site Availability Guarantee	✓	-	
	HybridOS™ Software Availability Guarantee	✓	-	For EMS only.
	Response Time Guarantee	✓	-	Contractor's standard response times.
Spare Parts & Consumables	Preventative Maintenance Consumables	✓	-	
	Initial Stock of Spare Parts	-	✓	Owner to provide upon COD.
	Warranty Spare Parts Supply	-	✓	By OEM.
	Non-Warranty Spare Parts Supply	✓	-	At T&M.
	Inventory Management	✓	-	
	Spare Parts Storage		✓	Can be provided by FlexGen as an optional adder.
BESS Operations	Qualified Scheduling Entity (QSE) / Scheduling Coordinator (SC)	-	✓	Owner is responsible for providing dispatch commands (charge/discharge) and scheduling with ISO.
	Schedule BESS Charge/Discharge	-	✓	Owner is ultimately responsible for charging/discharging commands.
	Daily coordination of outages, maintenance, derates, etc. with QSE/owner	✓	-	May be performed by NERC GO-GOP provider, in collaboration with FlexGen ROC.
	Fault and Alarm Clearing/Operations	✓	-	
	Qualified Scheduling Entity (QSE) / Scheduling Coordinator (SC)	-	✓	Owner is responsible for providing dispatch commands (charge/discharge) and scheduling with ISO.
	Schedule BESS Charge/Discharge	-	✓	Owner is ultimately responsible for charging/discharging commands.
	Daily coordination of outages, maintenance, derates, etc. with QSE/owner	✓	-	May be performed by NERC GO-GOP provider, in collaboration with FlexGen ROC.
	Fault and Alarm Clearing/Operations	✓	-	
Networking	Site Connectivity	-	✓	Owner must allow Contractor to have a secure and reliable connection to sites using Contractor's preferred method.
NERC/CIP	GO/GOP Management and NERC Compliance	-	✓	Can provide quote through partners, must be contracted separately.
	Initial Setup of GO/GOP	-	✓	Can provide quote through partners, must be contracted separately.

Compare Scopes from other providers

FlexGen provides a suite of Lifecycle Services to support our customers with maintaining at the highest level of availability, performance, and compliance with market requirements and warranty provisions.

Companies in the energy storage market offer a wide range of services. FlexGen provides a more complete scope of services than nearly any comparative provider in the market, as seen in table

Scope of services	FLEXGEN	OEM	Other EMS Companies
Software Licenses	✓	✓[4]	✓
Data Analytics	✓	✓[1]	✓[1]
24/7 ROC Monitoring	✓	✗	✗
Performance Management	✓	✗	✗
Warranty Management	✓	✓[5]	✗
Preventative Maintenance	✓	✓	✓[2]
Spare Parts Management	✓	✗	✗
Performance Guarantees	✓	✓	✗
Site Availability Guarantee	✓	✗	✗
Reporting and Analysis	✓	✗	✓
NERC GOP Services	✓[3]	✗	✓
Groundskeeping and Facility Management	✗	✗	✗

[1] Data Analytics would be provided by a third-party as a separate contract.

[2] Inspection Service Maintenance by OEM or Third-Party.

[3] Coming soon. Today, FlexGen is able to provide a complete solution including NERC GOP services by including one of our partners in the scope of Lifecycle Solutions.

[4] Some OEMs may bundle software licenses, but may be a separate agreement.

[5] Warranty service may be provided but management of claims is the responsibility of the owner.

Exceptions and Clarifications

Technical and commercial deviations to the provided scope.

Technical Exceptions and Clarifications

Technical Clarifications

- Plant auxiliary equipment including auxiliary power transformer and low voltage panelboard are not included in FlexGen's scope.
- All pricing subject to scope of project and the interconnection point at the substation level.
- Transmission level assets may include additional scope and prices not currently included.
- The proposed system configuration includes typical losses and efficiencies for equipment and conductors.
- The proposed system configuration and capacity assumes the project Point of Interconnection (POI) is located at High voltage side of Generator Step-Up Transformer.
- The proposed configurations assume the required power factor at POI to be 0.95.
- The proposed configurations are sized to meet the POI power requirement EXCLUDING the project auxiliary loads.
- The proposed configurations are sized to meet the POI energy requirement EXCLUDING the project auxiliary loads.
- The proposed configurations consider the capacity maintenance at project POI and are oversized to defer the first augmentation until the beginning of year 5.
- The proposed configurations consider FOB+11 months of storage degradation, taking into the large size of the project that requires additional delivery, construction, and commissioning time. Average SOH Reduction is based on storage at 25℃ and 30% SOC, or with auxiliary power.
- The provided degradation curves are subject to change and will be finalized during contracting.
- The proposed systems have been designed considering an elevation of 644m above sea level.
- The proposed systems have been designed considering an ambient temperature range of -20 to 45 degrees Celsius.

Standard Warranty

- Battery energy storage equipment warranty starts three (3) months after equipment on-board for shipment. Subject to typical warranty terms and conditions, including compliance with the Operations & Maintenance Manual for the equipment.
- Power conversion system equipment warranty starts three (3) months after equipment on-board for shipment. Subject to typical warranty terms and conditions, including compliance with the Operations & Maintenance Manual for the equipment.
- HybridOS has a three (3) year warranty, which can be extended through a Lifecycle Services Agreement.

Extended Warranty

- Extended Warranty will be purchased direct from the Original Equipment Manufacturer.
- Extended Warranty for PCS beyond the standard warranty must be purchased at the time of initial Purchase Order.
- The Extended Warranty for Batteries shall be yearly paid three (3) months in advance of the beginning of each Extended Warranty year.
- If Purchaser fails to pay the Extended Warranty Fee for any year, the Extended Warranty shall expire and cannot be restored.

Commercial Exceptions and Clarifications

Payment Terms

- All FlexGen pricing is in United States Dollars (USD $)
- Bid Validity: 14 days
- All pricing is exclusive of Federal, State, and Local sales and use or similar taxes.
- All pricing is based on the US import tariffs and duties as of the date of this quote. Any changes to tariff policy after this date may result in a change to all prices quoted.
- Please refer to FlexGen payment terms. Battery suppliers currently will not manufacture without reservation for slots.
  - 15 %, due on Effective Date, Net 5 days
  - 10 %, due on Delivery of Power System Engineering & Design Deliverables, Net 30 days
  - 40 %, due on Completion of Battery Factory Acceptance Test, Net 5 days
  - 10 %, due on Completion of PCS Factory Acceptance Test, Net 30 days
  - 7.5%, due on Battery to Point of Destination, Net 30 days
  - 7.5%, due on PCS to Point of Destination, Net 30 days
  - 5 %, due at Substantial Completion
  - 5 %, due at Final Acceptance

Qualifications

- The Budgetary Quote excludes permitting, construction engineering drawings, and construction.
- The Budgetary Quote is based on performance of commissioning and testing typical battery energy storage projects connected to utility and regional grids.
- Special testing requirements will be determined during contract negotiation and any requirements for additional budget to cover testing costs will be determined at that time.

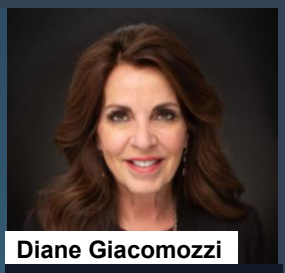
Terms and Conditions

- Please refer to mutually agreed-upon terms and conditions between FlexGen® Power Systems and Customer.

Price Adjustment

- BESS, PCS, and BoP - Equipment and Shipping (DDP)
- The battery, inverter, and balance of plant equipment pricing and shipping pricing are subject to adjustment until the time the Purchase Order is executed.

FlexGen Leadership team



Diane Giacomozzi
Chief Operating Officer

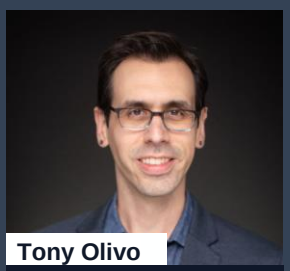
Pasi Taimela
Chief Innovation Officer

Hugh Scott
Chief Technology Officer

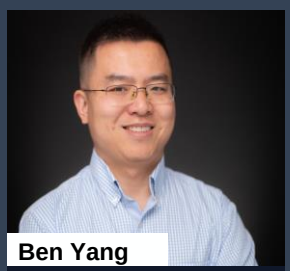
Gary Cristini
Chief Financial Officer

Aruna Chandra
EVP & General Counsel

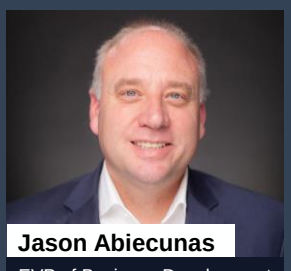
Kelcy Pegler
Chief Executive Officer



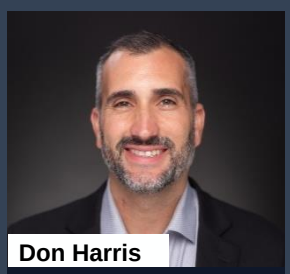
Tony Olivo
SVP of Software Engineering



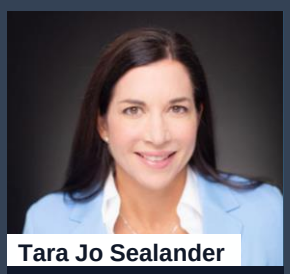
Ben Yang
SVP of Supply Chain Solutions



Jason Abiecunas
EVP of Business Development

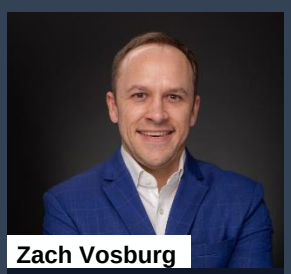


Don Harris
VP of Software Sales



Tara Jo Sealander
SVP of Business Operations

JC Reymond
VP of Lifecycle Solutions



Zach Vosburg
VP of Corporate Strategy

The FlexGen Advantage

- Upgradable
- Bankable
- Scalable

We turn batteries on and keep them on

Hardware agnostic
Technology neutral (portfolio capability, augmentation flexibility)

Expert service and support
More technical resources, field technician support plus OEM agreements in-place to service equipment directly

Rapid upgrades
Rapid software upgrades (2-4 hours), more flexible and able to capture more opportunities

Full system monitoring
Full system monitoring including all components of transformer temp and pressure, PCS cabinet temp, rack HVAC/chiller systems in addition to the batteries

24/7 Alerts
24/7 alerts and monitoring (medium impact NERC Facility)

Speed
Remote response capabilities | EMS 10 millisecond response time

Real-time operational data
Open platform with greater access to energy storage system data and insights

FLEXGEN BY THE NUMBERS

100+ Projects completed

98% Availability

15 Yrs. Experience

$250 MM Capital

10 GWh Installed or contracted

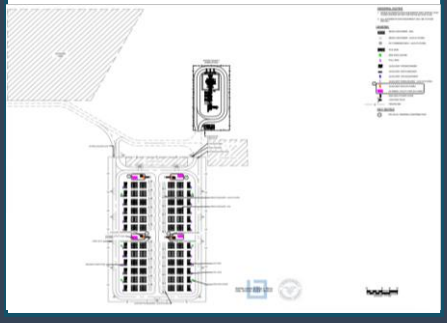
1.4 Million
Run Time Hrs.

FLEXGEN EXPERIENCE

Emergency delivery of large scale BESS

SCE | 3 projects totaling 535 MW / 2.1 GWh
BATTERY OEM: CATL
PCS OEM: Power Electronics

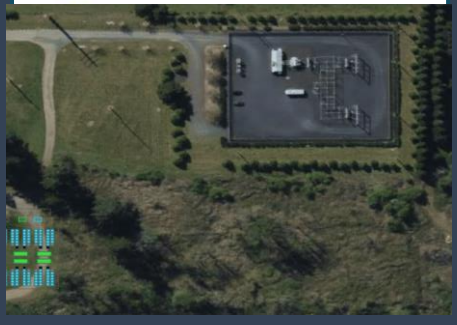
FlexGen, in partnership with Ameresco delivered 535MW/2.15GWh of energy storage capability to Southern California Edison. The Anode, Cathode, and Separator energy storage projects are each sited at SCE substations and serve as a resource for SCE. FlexGen's EMS platform, HybridOS, delivers resilient and flexible capabilities for all three plants. The energy storage facilities will enable SCE to deliver reliable capacity to consumers while better integrating clean renewable energy into the power supply.



Solar + Storage

Alliant Energy | 3 projects totaling 1,000 MWh
Battery OEM: CATL
PCS OEM: Sungrow

FlexGen is providing 275 Megawatts (MW) and 1,500 MWh of energy storage capacity to Alliant Energy with 3 projects located in Wisconsin. The program is being implemented with a forward-looking master supply agreement structure to provide Alliant with flexibility in execution timing, technology, and design.
The collaboration with FlexGen accelerates Alliant Energy's goals to achieve net-zero carbon dioxide emissions from the electricity it generates by 2050 while transitioning the power generation fleet to clean and reliable energy sources.



Meeting GHG emissions reduction goals

Portland General Electric | 17MW / 34 MWh
Battery OEM: Risen
Pcs OEM: Clou

FlexGen is supporting PGE with its 17-megawatt (mw) energy storage project. The energy storage project will be constructed at the Coffee Creek substation in Portland, Oregon. Coffee Creek provides important energy storage to help PGE meet Oregon's targets of reducing greenhouse gas emissions from power served to retail customers by at least 80% by 2030, 90% by 2035 and 100% by 2040.

FLEXGEN EXPERIENCE

Integrating battery storage with Solar PV

Vistra Energy | 42MWh BESS + 180MW Solar
Battery OEM: Samsung
PCS OEM: Sungrow

FlexGen integrated a 10MW/42MWh energy storage system (ESS) with Vistra's 180MW solar facility in Upton County, TX. The project utilizes FlexGen's HybridOS energy management system software platform to allow Vistra to store inexpensive solar energy generated during the day and deliver it to customers during evening hours when demand is greatest, improving grid reliability and reducing cost for Texas electricity consumers.

Flexible battery storage integrated with combined cycle gas

NISource-NIPSCO | 12MW BESS + 143MW Gas Turbine
BATTERY OEM: Sungrow
PCS OEM: Sungrow

FlexGen integrated a 12MW battery energy storage project with Northern Indiana Public Service Company's two 143MW combined cycle gas turbine facility in Wheatfield, IN. The project utilizes FlexGen's Hybrid OS energy management system software platform to to provide black-start for the gas turbines when the grid is down as well as providing peak power production and grid services when the combined cycle plant is not operating.

Transmission Deferral Battery storage plus Solar PV

PacifiCorp | 1MW/5MWH
BATTERY OEM: Samsung
PCS OEM: Sungrow

Supporting Black & Veatch, a leading design engineering and constructor, FlexGen delivered and integrated a 5.0MWh energy storage system at PacifiCorp's Rocky Mountain Power subsidiary site located in Panguitch, UT. The project utilizes FlexGen's HybridOS energy management system software platform to perform a variety of power control functions like peak power limiting, frequency response, power smoothing, and voltage control, among others. The Panguitch Project is the first utility scale battery energy storage project in Utah.

FLEXGEN EXPERIENCE

High performance Merchant energy storage

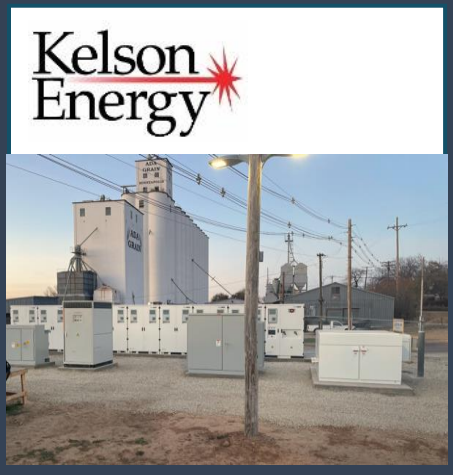
Broad Reach Power | 2 Projects totaling 220MWh
Battery OEM: CATL
PCS OEM: Sungrow

FlexGen integrated two 100MW / 110MWh energy storage systems near Austin, TX in for Broad Reach Power (now Engie). These projects utilize FlexGen's HybridOS energy management system software to manage and control the sites, ensure controls in compliance with ERCOT criteria, and deliver best-in-class availability. The projects are operated as merchant energy storage plants on the ERCOT market.

Distributed energy storage portfolio

Broad Reach Power | 15 projects totaling 150MWh
Battery OEM: Sungrow, CLOU
PCS OEM: PE, Sungrow

FlexGen integrated fifteen 10MW / 10MWh FlexGen energy storage systems in Texas in support of Broad Reach Power (now Engie). These FlexGen ESS utilize FlexGen's HybridOS energy management system software platform to manage and control the sites, ensure functionality is in compliance with ERCOT criteria, and deliver best-in-class availability. The projects are operated as merchant energy storage plants on the ERCOT market.

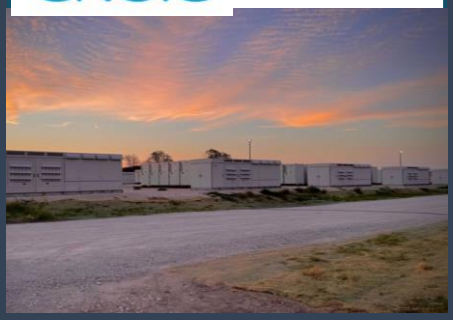


Solomon Energy Storage Center

KPP / Kelson Energy | 1MW / 4MWh
Battery OEM: Risen
PCS OEM: Sungrow

Kelson Energy engaged FlexGen to design and build the 1MW/4MWh Solomon Energy Storage Center located in Minneapolis, KS. The system includes black start capability for the utility to use if the grid goes off-line in this area. The project is the largest battery energy storage project in Kansas and provides the functionality to demonstrate the value delivered by battery energy storage to the market.

FLEXGEN EXPERIENCE



High performance energy storage in ERCOT Sun Valley

Engie | 100MW / 100MWh
Battery OEM: CATL
PCS OEM: Power Electronics

FlexGen delivered a 100MW/100MWh project for Engie including supply of the CATL and Power Electronics equipment for the project. The system utilizes FlexGen's HybridOS energy management system software platform to deliver full ancillary services, capacity, and energy services with certification against all four ERCOT checklists. The plant is co-located with a solar farm and operates as a merchant energy storage on the ERCOT market.

High performance energy storage in ERCOT Libra

Engie | 200MW/223MWh
Battery OEM: CATL
PCS OEM: Power Electronics

FlexGen delivered a 200MW/200MWh project for Engie including supply of the CATL and Power Electronics equipment for the project. The system utilizes FlexGen's HybridOS energy management system software platform to deliver full ancillary services, capacity, and energy services with certification against all four ERCOT checklists. The plant is co-located with a solar farm and operates as a merchant energy storage on the ERCOT market.

Utility energy storage projects

NREMC | 5 projects between 21.6-25.2MWh
Battery OEM: Clou
PCS OEM: Clou

Sized between 21.6 MWh and 25.2 MWh, each of the 5 battery systems operates on FlexGen's energy management software platform, FlexGen HybridOS, which enables seamless export of power onto the grid when it's most needed – during times of peak demand or during weather disruptions. During off-peak the battery storage systems charge when power prices are lower. This program was brought online in 2022.

FLEXGEN EXPERIENCE

Distributed battery energy storage portfolio

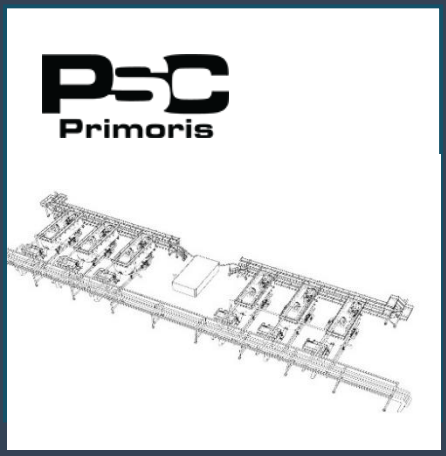
NCEMC | Phase 1: 10 projects totaling 40MW
Battery OEM: Risen
PCS OEM: CLOU

Integration of cutting-edge battery energy storage technology in 10 communities across rural North Carolina. The energy storage systems will be placed at local electric cooperative substations, streamlining interconnection to the grid and adding local energy resources in communities to better manage peak loads and provide enhanced grid resilience and reliability to cooperative consumer-members. Collectively, the 10 battery projects will provide 40 MWs of electricity.

Distributed battery energy storage portfolio

NCEMC | Phase 2: 7 projects totaling 50MW
Battery OEM: CATL
PCS OEM: Sungrow

FlexGen continues its partnership with NCEMC in a second phase of projects across rural North Carolina. In keeping with the goals of phase 1; the storage systems will be placed at local electric cooperative substations, streamlining interconnection to the grid and adding local energy resources in communities to better manage peak loads and provide enhanced grid resilience and reliability to cooperative consumer-members at a 2hr. duration.



Municipality In Western US

Repowering project 75 MW
Battery OEM: CATL
PCS OEM: Sungrow

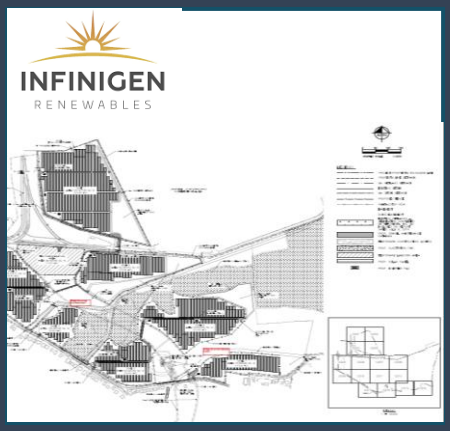
FlexGen is facilitating the repowering of a utility fossil fueled plant with battery energy storage technology. The project is also providing black start functionality. The BESS will operate on FlexGen's energy management software platform, HybridOS, which enables seamless export of power onto the grid when it's most needed – during times of peak demand or during weather disruptions.

FLEXGEN EXPERIENCE

Powering Next-generation Energy Solutions

Trina Energy | 6 projects totaling 24 MW
BATTERY OEM | Trina Elementa
PCS OEM | Power Electronics

FlexGen through its Channel Partnership with Trina Energy Storage provided the EMS and Lifecycle Solution for 6 projects located in Massachusetts. These solutions were pre-integrated in our Durham, NC lab. HybridOS Analyze is also operating in the cloud for this site and providing real-time state of charge calculations, a digital twin model to compare expected vs. actual performance and warranty support data. These sites support the grid and participate in the SMART Clean Peak project in ISO-NE.



Battery energy storage plus Solar PV

Infinigen | 14.45MW/4.76MWH
Battery OEM: CATL
PCS OEM: Power Electronics

Infinigen's Yabucoa project located in Puerto Rico will be running on FlexGen's HybridOS EMS. HybridOS is providing combined control of the solar and storage components of the project. Delivering compliance with the technically advanced and stringent PREPA MTR requirements.

Thank You

Howard Henward
Director, Business Development
hhenward@flexgen.com | 718-689-3907

280 S. Mangum Street, Ste. 150,
Durham, NC 27701

flexgen.com