



Solar Power

Solar power is a proven technology, offering economical, reliable, and sustainable renewable energy worldwide at an ever-increasing scale.

We provide services across all stages of a solar farm's lifecycle, from site selection and project development to repowering or decommissioning at end of life.

Global presence

- With over 10,000 MW of solar power projects internationally, we have the institutional knowledge of what a successful solar farm need. More than just sunny weather and a field, it requires a skilled team with the right tools and systems to ensure economic efficiency and timely, on-budget delivery.
- Our solar power clients range from developers and independent power producers to utilities, mining and metals companies, heavy manufacturers, data centers, and large corporations seeking sustainable renewable energy.

Ensuring cost effective, efficient delivery

- We can act as either the owner's engineer, lender's engineer, independent engineer, or the detailed design engineer for your project. Whatever the role we are committed to the success of your project.
- We have a global pool of support services to pull from should it be needed in support of project development activities including permitting, solar resource assessment, uncertainty analysis geotechnical studies, and community outreach.
- We also have extensive experience in operational analysis, be that root cause assessment on failed parts or generation underperformance.

Technical experts

We have experience working with a wide variety of solar projects ranging from small commercial projects to national scale industrial solar farms.

- **Resource assessment:** PVsyst, HOMER, Heliolytics, and others.
- **Construction support:** Construction management, commissioning, QA/QC support, construction support.
- **Hybrid power:** Integration with hybrid systems (wind, BESS, thermal, electrolyzers).

Services provided at all stages of projects, investments, operations, and transactions

- Owner's Engineer
- Independent Engineer / Lender Advisor
- Solar Resource Assessment
- Detailed Engineering
- Grid Interconnection / System Studies
- Permitting and Community Engagement
- Procurement and Construction Management
- Commissioning and Ramp Up
- Root Cause Analysis / Forensic Analysis
- O&M / Performance Optimization

PROJECT EXPERIENCE

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Shawboro Solar

Urban Grid, USA

Hatch is serving as Owner's Engineer for Urban Grid's 150MW Shawboro Solar Project in North Carolina, providing technical due diligence, detailed design reviews, construction oversight, commissioning support, and independent engineering throughout project delivery.



CarbonFree Solar Project Portfolio

CarbonFree, Canada

Hatch was retained by CarbonFree to support the Renewable Energy Approval (REA) and permitting processes for three solar PV projects across northern Ontario ranging in nameplate capacities from 60MW to 167MW. These projects include the 154MW Class 3 CarbonFree Kynoch project in the District of Algoma, Ontario, as well as the 60MW Class 3 CarbonFree Rainy River project in Chappell, Ontario.



Alberta Solar Portfolio

BluEarth Renewables, Canada

Hatch was selected by BluEarth to act as Owner's Engineer for a set of four 20 MWAC projects being developed in Alberta. The scope of services included detailed design review across the different sites, with various technologies being implemented at each location. Field support by various disciplines occurred over the course of the projects.



Anahim Lake Solar-Storage

Ulkatcho First Nation, Canada

Hatch has supported Ulkatcho First Nation from renewable energy screening through detailed design of a 3.8MW solar plant supplying nearly 70% of Anahim Lake's electricity demand. With the project's high renewable energy penetration, the 4MW/6MWh BESS and utility-grade microgrid control system are crucial for maintaining stability in the remote, isolated microgrid.



Three W

Mitsui Co., USA

Hatch provided engineering, procurement, and Owner's Engineer services for a 110MWac utility-scale solar PV project in Texas, supporting development through commercial operation. Services included 30% Front-End Engineering Design and execution planning, technical and constructability assessments, energy yield and production analyses, permitting and grid interconnection support, and procurement of major equipment.



Summerside Sunbank Project

Aspin, Kemp and Associates & The City of Summerside, Canada

Aspin, Kemp & Associates is installing a 21MW solar and 10MW/20MWh battery storage microgrid to support the City of Summerside's emission-reduction initiatives. As Engineer of Record, Hatch completed the detailed design, use-case assessment, vendor review, design review and validation, and specifications development.



Hannacroix

New York Power Authority, USA

Hatch is providing Owner's Engineer services for NYRED's 5MW Hannacroix Solar Project in New York, including design and cost reviews, EPC support, construction reviews, and site visits. Current activities include negotiating the build-transfer agreement, finalizing the design and cost estimate, and executing the EPC contract. Commercial operation is targeted for Q4 2027.



Freeport Copper Skies

Freeport McMoRan, USA

Hatch is serving as Owner's Engineer for Freeport's Copper Skies project in Arizona, which includes a 200MW solar facility and a 200MW/800MWh BESS. Hatch provides ongoing technical advisory and project oversight services throughout project development and execution, coordinating across multiple stakeholders. Key services include:



- Technical due diligence and independent reviews of engineering designs and project documentation.
- Interconnection support, including technical assessments and coordination of grid integration requirements.
- Engineering oversight and technical guidance throughout project development and execution.
- Ongoing Owner's Engineer and technical advisory support to advance the project toward successful execution and operation.

Looking for more information?

Contact us!



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