



Delivering sound solutions
to meet your energy project's needs.

COMPANY PROFILE

EnSight Energy is an engineering and management consulting firm specializing in technical, environmental, commercial, and financial advisory services and solutions for power, energy and renewable energy projects. Our comprehensive consulting services support our Clients during every stage of their energy project—whether its inception, development, construction or phases of operation. They rely on our technical and commercial expertise to identify, minimize and mitigate technical, commercial, environmental and financial risks throughout a project's life cycle.

Representative Experience

- Technical due diligence review of distributed solar portfolio, and ground mounted solar PV on behalf of developers and lenders, 500-kW to 250-MW.
- Technical and financial due diligence review, including resource assessment, energy modeling, and construction monitoring of a 13-MW distributed roof-top solar project on behalf of financing institution.
- Technical and financial due diligence review and construction monitoring of 10-MW solar projects in the Township of Alfred and Plantagenet, Ontario, and in Kingston, Ontario, providing power to the Ontario Power Authority under the FIT Program.
- Technical and financial due diligence review of wind portfolio consisting of three projects in the Republic of Ireland, cumulative capacity of 136.8-MW and on behalf of financing institution.
- Lender's representative during commissioning performance tests of gas turbine power plant in order to verify compliance with engineering, procurement and electricity sales contracts as well as environmental regulations and permits.
- Annual operations, maintenance, performance, and budget review of utility-scale gas turbine power plant on behalf of lender to verify financial projections and approve budget.
- Equator Principles environmental compliance review of a cogeneration power plant and a 220km liquefied petroleum gas pipeline in Mexico and preparation of the communications and grievance plan (Spanish) to be used during project construction.
- Project Manager for technical and financial due diligence of ethanol production project located in Ontario, Canada which delivers 43 million gallons per year of ethanol from corn utilizing ICM technology.
- Lead engineer providing environmental and regulatory due diligence review on nine of the 22 projects awarded funding under the America Resource and Recovery Act distributed by the USDOE under sections 1603, 1703 and 1705 of the Energy Policy Act.
- Technical review of water supply, recycling, water treatment and wastewater treatment systems and environmental compliance during the preparation of the Independent Engineer's report to support financing of a 550-MW gas-fired combined-cycle plant.
- Witness and evaluation of the performance and commissioning of a 12-MW geothermal project in Utah.
- Owner's Engineering provided during the construction of the Erie Water Treatment Facility.



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Our Capabilities

Our team includes veteran engineering staff with extensive technical and commercial expertise that spans across generation technologies. Our consultants have provided project management and technical due diligence, including independent engineering and owner's engineering to investors, government agencies, utilities, developers, owners, lenders and financing entities who rely on our comprehensive engineering and consulting services to make sound technical and financial decisions.

Development

- Feasibility Study
- Energy Resource Assessment
- Assessment of Project Management Program, Procedures, Scope of Work and Schedule
- Evaluation of EPC Contractor Bids
- Independent Technology Assessment (Bankability Study)
- Witness Factory Testing (Equipment Manufacturing Facility)
- Owner's Engineer/Advisory Service
- Quality Assurance/Quality Control
- Conceptual Design Review
- Technical Due Diligence
- Review of Contractual Agreements
- Environmental Review of status of permits and regulatory requirements
- Financial Model Evaluation

Construction

- Assessment of Project Management Program, Procedures, Scope of Work and Schedule
- Quality Assurance/Quality Control
- Witness Factory Testing (Equipment Manufacturing Facility)
- Construction Reviews
- Owner's Engineer/Advisory Service
- Technical Due Diligence
- Construction Progress review through Monthly Site Visits
- Review of monthly construction progress reports
- Construction costs, invoice reviews
- Construction progress and schedule
- Environmental status



Performance Test Monitoring

- Review testing protocol
- Witness plant performance and environmental testing
- Evaluate results for compliance with contracts and permits

Operations

- Assessment of Operation and Maintenance Program and Procedures
- Quality Assurance/Quality Control
- Commercial Operation Evaluations
- Technical Due Diligence
- Review of monthly operating reports
- Periodic plant visits as required, typically annual
- Evaluation of performance as compared to projected performance
- Environmental compliance review

We invite you to give us a call or visit our website
to learn more about our services and how we
can support your due diligence needs.