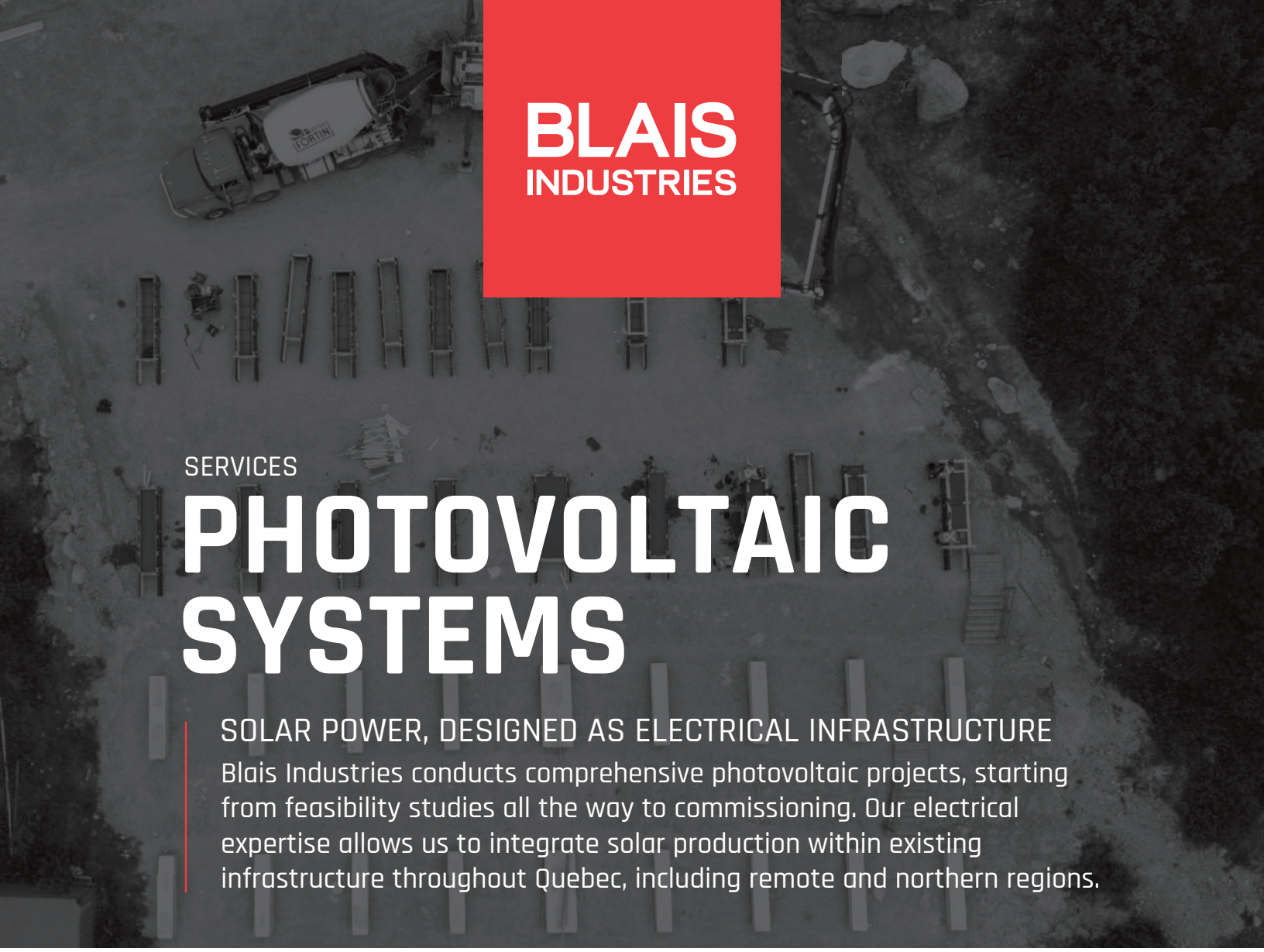


BLAIS
INDUSTRIES

SERVICES

PHOTOVOLTAIC SYSTEMS

SOLAR POWER, DESIGNED AS ELECTRICAL INFRASTRUCTURE

Blais Industries conducts comprehensive photovoltaic projects, starting from feasibility studies all the way to commissioning. Our electrical expertise allows us to integrate solar production within existing infrastructure throughout Quebec, including remote and northern regions.

CASE STUDY

CHALLENGE

An outfitter in Témiscamingue which the local electrical grid did not serve used to depend on a continuously running diesel generator, consuming about 23,000 liters of fuel per year.

SOLUTION

Blais Industries has developed an autonomous 18 kWp system, consisting of 48 panels, 16 batteries of 5.12 kWh, and automated controls. The generator now solely serves as a backup.

RESULTS

83% of electricity supplied by the sun, more than 22,000 liters of diesel saved, and about 60 tons of CO_2 avoided per year.

Health and safety, meeting budgets and deadlines are the objectives we are committed to meet for all our clients.

Our experienced team works in full transparency towards achieving these goals.

OUR SERVICES

- Analysis of solar consumption and potential
- Assessment of available areas
- Electrical sizing and design
- Connection and financial aid procedures
- Installation of equipment, protections, and controls
- Connection to existing infrastructure
- Testing and commissioning
- Inspection and maintenance

A COMPREHENSIVE ELECTRICAL EXPERTISE

Our expertise in industrial electricity allows us to integrate photovoltaic systems into existing installations:

- Distribution networks up to 25 kV
- Overhead and underground distribution
- Transformers and switchgear systems
- Protection, metering, and control
- Interventions in substations up to 120 kV

FINANCIAL AID

Programs and measures can support certain photovoltaic projects:

- Financial assistance of $1,000/kW installed, up to 40% of eligible costs, through Hydro-Québec's Effective Solutions program
- Potential credits through net metering
- Federal tax credit of up to 30% of eligible equipment costs for taxable businesses
- Separate credit for clean electricity accessible to municipalities and Indigenous organizations

Our team can assist you in identifying the applicable aids for your project.

Programs, criteria, and amounts subject to change.





FROM CASE STUDY TO COMMISSIONING, A COMPREHENSIVE ELECTRICAL EXPERTISE FOR YOUR PHOTOVOLTAIC PROJECT.

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