The Biggest BIPV Manufacturer in the World
Our mission is to be the catalyst that accelerates the adoption of sustainable, energy-generating, human-made structures.”

- Mitrex Team
THE PROBLEM
Dependent on fossil fuels and non-renewables.

Climate Change / Global warming is accelerating and needs a response.
- Mitigation
- Adaptation

How can we work together to reduce our footprint?
- Thermal performance
- Energy production & reduced consumption.

Lack aesthetic options in renewable sources:
- Wind
- Hydro
- Solar
Our vision is to simplify the integration of solar technology into everything around us.”

- Mitrex Team
We envision a world where energy is generated by every surface facing the sun. We are a purpose driven company, and our mission is to accelerate the adoption of renewable solar energy.

- As urban centres continue to grow, construction has a vital role in creating sustainable cities. Mitrex is providing a solution that allows architects and developers to harness solar energy at the same cost as non-sustainable materials.

- Our vision as an energy company is to simplify the integration of solar technology for building owners by lowering both the investment costs and risk associated with adopting solar technology.
Integration is at the core of everything that we do.

- Our integrated solutions are completely customizable and offer architects and designers total flexibility in implementing their design vision.

- Our fully automated BIPV production facility, the largest in the world, giving us unrivaled production speed. Further, the design of our solar materials allows them to be installed without the use of heavy machinery.

- With our "Solar As A Service" philosophy, Mitrex has developed a business model for any building owner to implement sustainable technology by removing the need for any upfront investment and risk.
SOLAR TECHNOLOGY

Customizable Facing Material

Solar Cell

Aluminum Honeycomb

Marble, Metal, Slate, Brick, Limestone, Wood, Granite, and Solid Colours

Many More Options

Bring Your Own Design

Colour Variations

Transparency Levels

60%

50%

40%

30%

20%
Mitrex products are proudly made in Canada, in a custom-built factory. Our factory allows us to reliably and consistently produce 1,500 high-quality solar panels per day. Our production facilities are optimized for maximum efficiency and environmental mindfulness. With both our products and business practices, we are helping Canada reach its 2050 net-zero carbon emissions goal.

Our fully automated factory is outfitted with:

- Automatic Alignment Control.
- EL Test before Laminator Stage.
- Visual Control before Laminator Stage.
- Visual Control after Laminator Stage.
- Flash Test / Sun Simulator Diode Test.
- Grounding Test.
Solar Cladding
Solar Railing
Solar Windows
OWNERSHIP OPTIONS

Mitrex Power Agreement (MPA)
Below market price building material
- 30-Year Contract With Mitrex
- Building Owner owns solar products
- Includes all turnkey services such as handling the performance and maintenance of the entire system
- Mitrex owns electricity generated and sells it back to the building at a lower rate than the electricity from the grid

Direct Purchase Agreement (DPA)
Marginal investment with high ROI
- Building Owner owns solar products
- Building Owner owns electricity generated
- Mitrex turnkey services are included however future maintenance is not
- Full ownership will result in a high return on investment and a quick payback period
ELIGIBLE CAPITAL COSTS

The below capital costs of Mitrex products can qualify as Canadian Renewable and Conservation Expenses (CRCE) and may be deducted in full in the year incurred, carried forward indefinitely and deducted in future years, or transferred to investors under a flow-through share agreement:

01 Installation of support structures for photovoltaic modules.

02 Purchase and installation of solar photovoltaic array.

03 Purchase and installation of controls, power inverters, power-conditioning and battery storage equipment.

04 Purchase and installation of power transformer(s).

05 Purchase and installation of electrical transmission line, including switches and meters.

Classes 43.1 & 43.2 Describe Photovoltaic Electrical Generation Equipment As Part Of The Qualifying Systems: Canada’s Income Tax Act incentivizes clean energy generation. Classes 43.1 and 43.2 provide an accelerated capital cost allowance (CCA) to most systems acquired before 2025. Under these classes, eligible equipment may be written off at 30-100 percent per year on a declining balance basis. Eligible properties can apply the enhanced first-year allowance if they are acquired after November 2018 and are made available by 2028.
## MITREX BIPV VS. TRADITIONAL PRODUCTS

### Upper Section of the Building

<table>
<thead>
<tr>
<th>Material</th>
<th>Upfront Cost</th>
<th>Energy Revenue</th>
<th>Tax Incentives</th>
<th>Maintenance in 30 Years</th>
<th>Cladding Cost in 30 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACM / Metal Composite Material</td>
<td>$45 - $55</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$45 - $55</td>
</tr>
<tr>
<td>Precast</td>
<td>$55 - $75</td>
<td>$0</td>
<td>$0</td>
<td>$3</td>
<td>$58 - $78</td>
</tr>
<tr>
<td>Cladify</td>
<td>$55 - $75</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
<td>$55 - $75</td>
</tr>
<tr>
<td>Mitrex MPA*</td>
<td>$40 - $50</td>
<td>$8</td>
<td>$10</td>
<td>$0</td>
<td>$22 - $32</td>
</tr>
<tr>
<td>Mitrex DPA*</td>
<td>$70 - $90</td>
<td>$50</td>
<td>$20</td>
<td>$0</td>
<td>$0 - $20</td>
</tr>
</tbody>
</table>

### Podium Section Up to 6th Floor

<table>
<thead>
<tr>
<th>Material</th>
<th>Upfront Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIFS</td>
<td>$25 - $30</td>
</tr>
<tr>
<td>Brick</td>
<td>$30 - $35</td>
</tr>
<tr>
<td>ACM</td>
<td>$35 - $40</td>
</tr>
<tr>
<td>Cladify</td>
<td>$45 - $65</td>
</tr>
<tr>
<td>Precast</td>
<td>$45 - $65</td>
</tr>
</tbody>
</table>

### Note
All prices are in Canadian Dollars and calculated for one SQFT.
**CASE STUDY**
Mitrex Cladding Vs. Brick Cladding In A Rental Building In Toronto, Canada

**Note:** All prices are in Canadian Dollars.

<table>
<thead>
<tr>
<th>MEASURE (SQFT)</th>
<th>OWNERS UPFRONT COST</th>
<th>ELECTRICITY PROCEEDS OVER 30 YEARS</th>
<th>TAX INCENTIVES</th>
<th>MAINTENANCE COST OVER 30 YEARS</th>
<th>CLADDING COST IN 30 YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>63,535 Brick</td>
<td>$2,160,190</td>
<td>$0</td>
<td>$0</td>
<td>$250,000</td>
<td>$2,410,190</td>
</tr>
<tr>
<td>63,535 Mitrex MPA</td>
<td>$2,820,954</td>
<td>$474,192</td>
<td>$791,266</td>
<td>$0</td>
<td>$1,555,496</td>
</tr>
<tr>
<td>63,535 Mitrex DPA</td>
<td>$4,659,022</td>
<td>$1,422,576</td>
<td>$2,351,486</td>
<td>$0</td>
<td>$884,960</td>
</tr>
</tbody>
</table>

**Note:**
- **Total Cost / SQFT**
- **Upfront Cost / SQFT**
- **Energy Revenue / SQFT**
- **Tax Incentives / SQFT**
- **Cost / SQFT after 30 years**

**图示**
Mitrex Solar Cladding
THE SNOW BALL EFFECT

Mitrex MPA

SAVING IN MATERIAL COST
$150 Million+

ENERGY REVENUE
$216 Million+

TAX INCENTIVES
$300 Million +

Mitrex DPA

Financial outcomes of 1 Million SQFT of BIPV per year for the next 30 years.

ENERGY REVENUE
$1.4 Billion+

TAX INCENTIVES
$600 Million +
Tax savings can be reinvested into the building or into other areas of the business.

- Improve R-Value and increased energy savings
- Reduce carbon footprint
MITREX PRODUCTS

Solar Cladding

Solar Windows

Solar Roof

Solar Glass

Solar Siding

Solar Railing

Solar Greenhouse

Military Solar
THE ENVIRONMENTAL IMPACT

- **24 Million kWh**
  - Green energy produced from 100,000 SQFT of BIPV in a 30 year period.

- **16,970 Tonnes of CO2**

- **11 Million Trees Planted**

- **Equivalent to**
  - Electricity for 2880 Homes
  - 3670 Cars Off the Road

Green energy produced from 100,000 SQFT of BIPV in a 30 year period.