MITREX™

INTEGRATED SOLAR TECHNOLOGY

The Biggest BIPV Manufacturer in the World


MITREX
INTEGRATED SOLAR TECHNOLOGY
"Our mission is to be the catalyst that accelerates the adoption of sustainable, energy-generating, human-made structures."
- Mitrex Team

THE PROBLEM

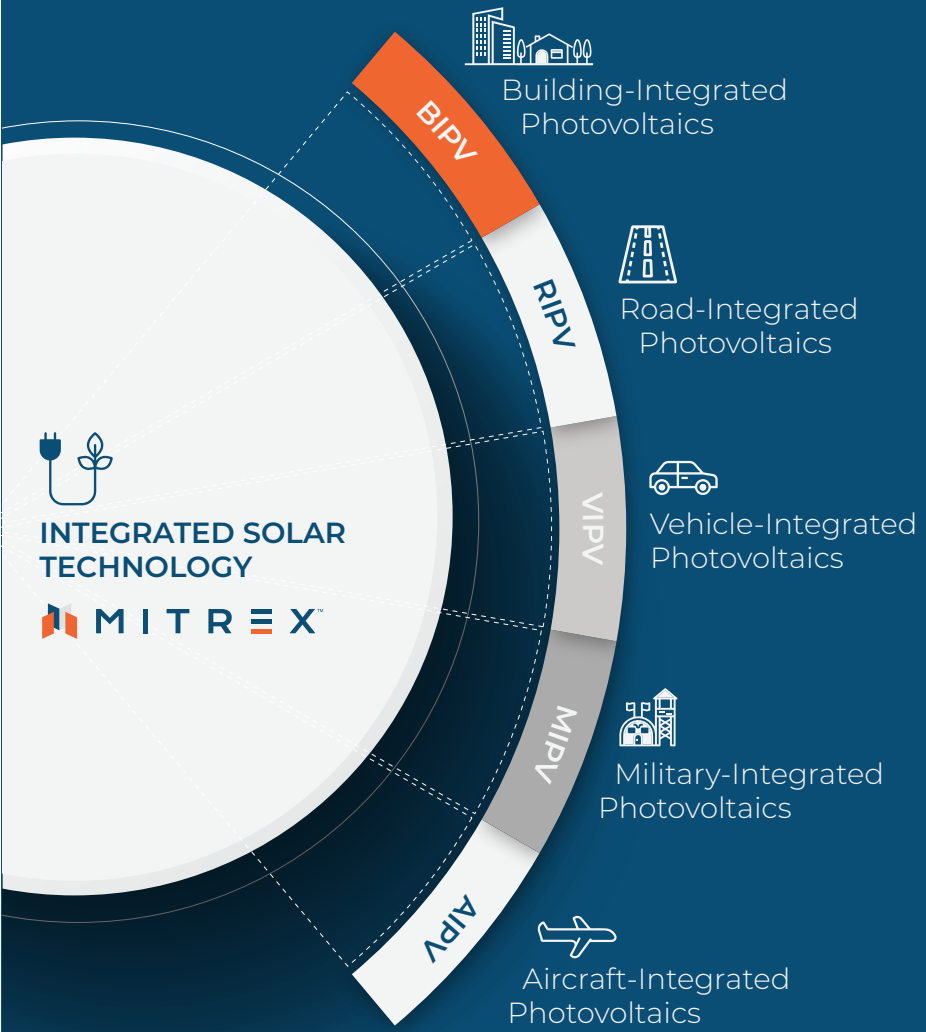
THE PROBLEM & OUR SOLUTION

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



Building-Integrated Photovoltaics

Road-Integrated Photovoltaics

Vehicle-Integrated Photovoltaics

Military-Integrated Photovoltaics

Aircraft-Integrated Photovoltaics

"Our vision is to simplify the integration of solar technology into everything around us."

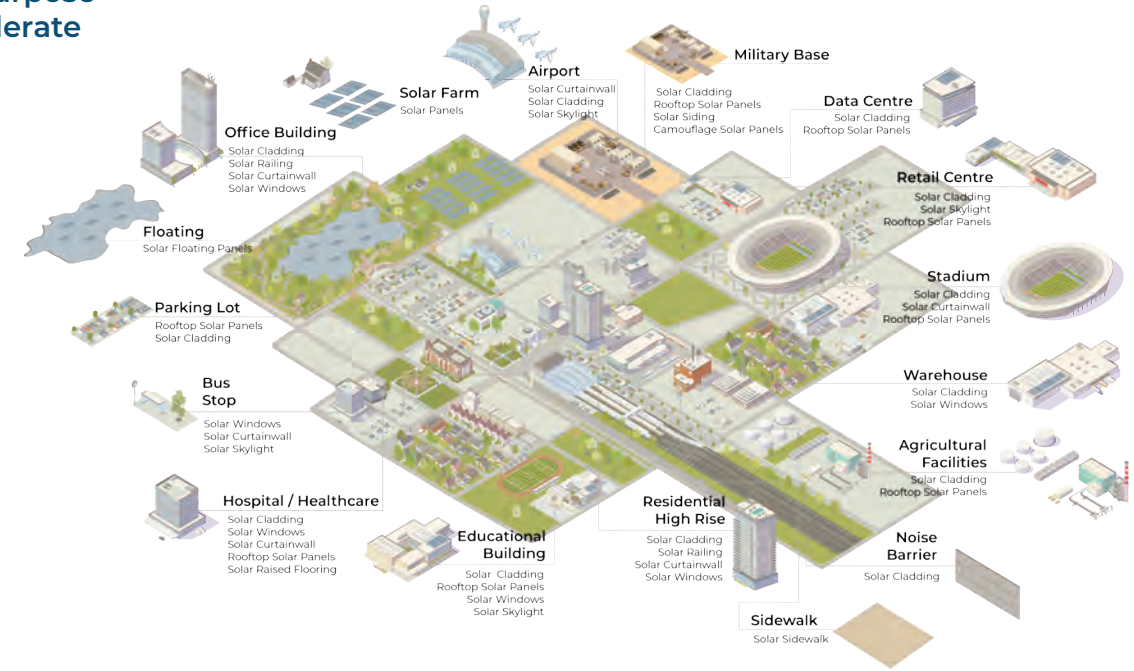
- Mitrex Team

THE VALUE THAT DRIVES US & OUR DESIRED CITY

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.

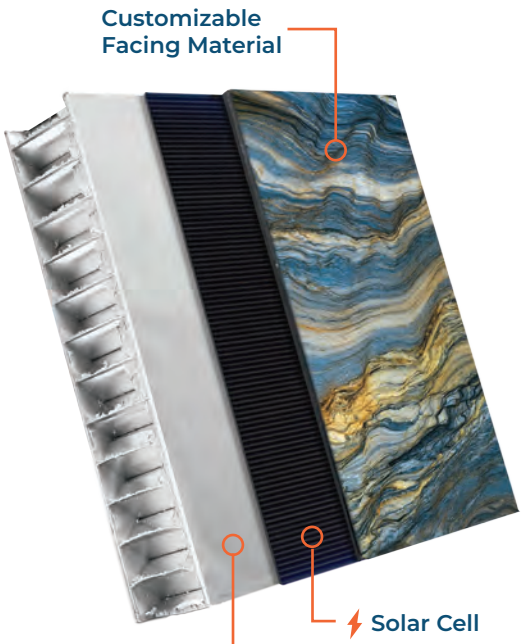


THE MITREX WAY OF THINKING

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



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

+ Many More Options

+ Bring Your Own Design

Colour Variations

Transparency Levels

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Mitrex BIPV Module
Solar Array Combiner Box
Array DC Disconnect Switch
Invert
Data Acquisition System (Optional)
AC Circuit Breakers
Isolation Transformer
Utility Interface

LARGEST BIPV PLANT IN THE WORLD

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 et-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

AVAILABLE SOLAR ENERGY FEDERAL TAX INCENTIVES

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.

Time Needed for the Cost of Cladding to Fully Depreciate

All numbers and information modelled on Classes 43.1 and 43.2 of the Federal Government of Canada Income Tax Act.
Mitrex recommends for every project to be individually reviewed by a certified accountant.
For more information, please see: https://bit.ly/3p6m10b

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**.

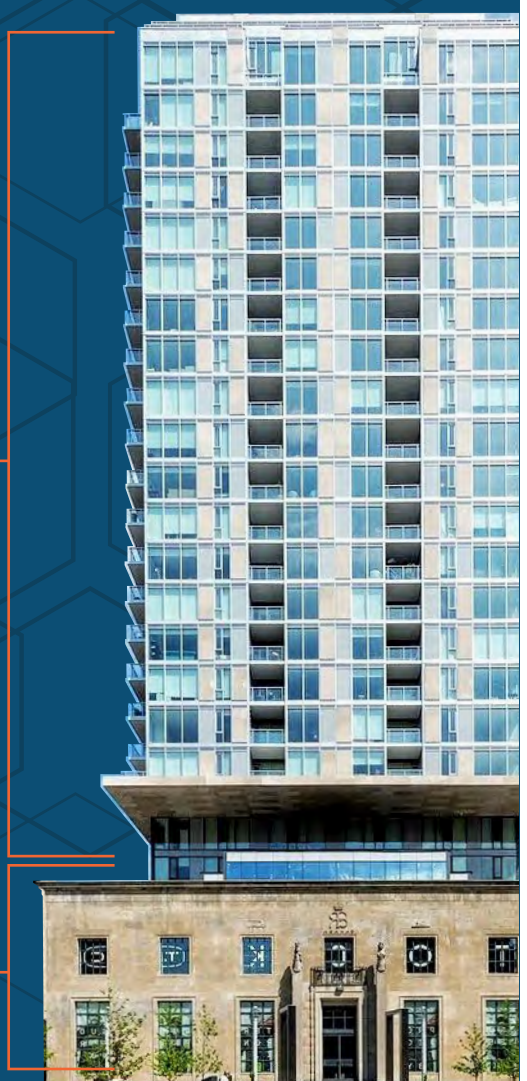
04 Purchase and installation of **power transformer(s)**.

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

MITREX BIPV VS. TRADITIONAL PRODUCTS

UPPER SECTION OF THE BUILDING	UPFRONT COST	ENERGY REVENUE	TAX INCENTIVES	MAINTENANCE IN 30 YEARS	CLADDING COST IN 30 YEARS
ACM / Metal Composite Material	$45 - $55	$0	$0	$0	$45 - $55
Precast	$55 - $75	$0	$0	$3	$58 - $78
Cladify	$55 - $75	$0	$0	$0	$55 - $75
Mitrex MPA*	$40 - $50	$8	$10	$0	$22 - $32
Mitrex DPA*	$70 - $90	$50	$20	$0	$0 - $20

PODIUM SECTION UP TO 6TH FLOOR	UPFRONT COST
EIFS	$25 - $30
Brick	$30 - $35
ACM	$35 - $40
Cladify	$45 - $65
Precast	$45 - $65



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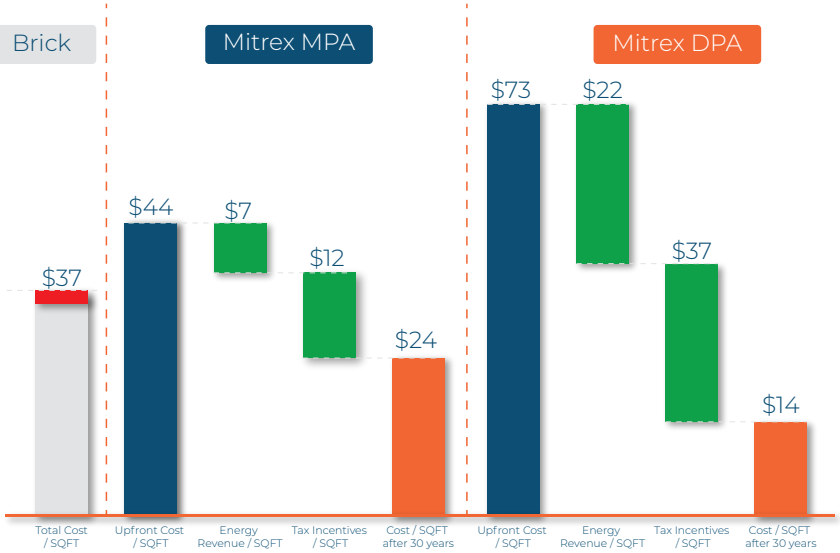
Note: All prices are in Canadian Dollars and calculated for one SQFT.

CASE STUDY

Mitrex Cladding Vs. Brick Cladding In A Rental Building In Toronto, Canada

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



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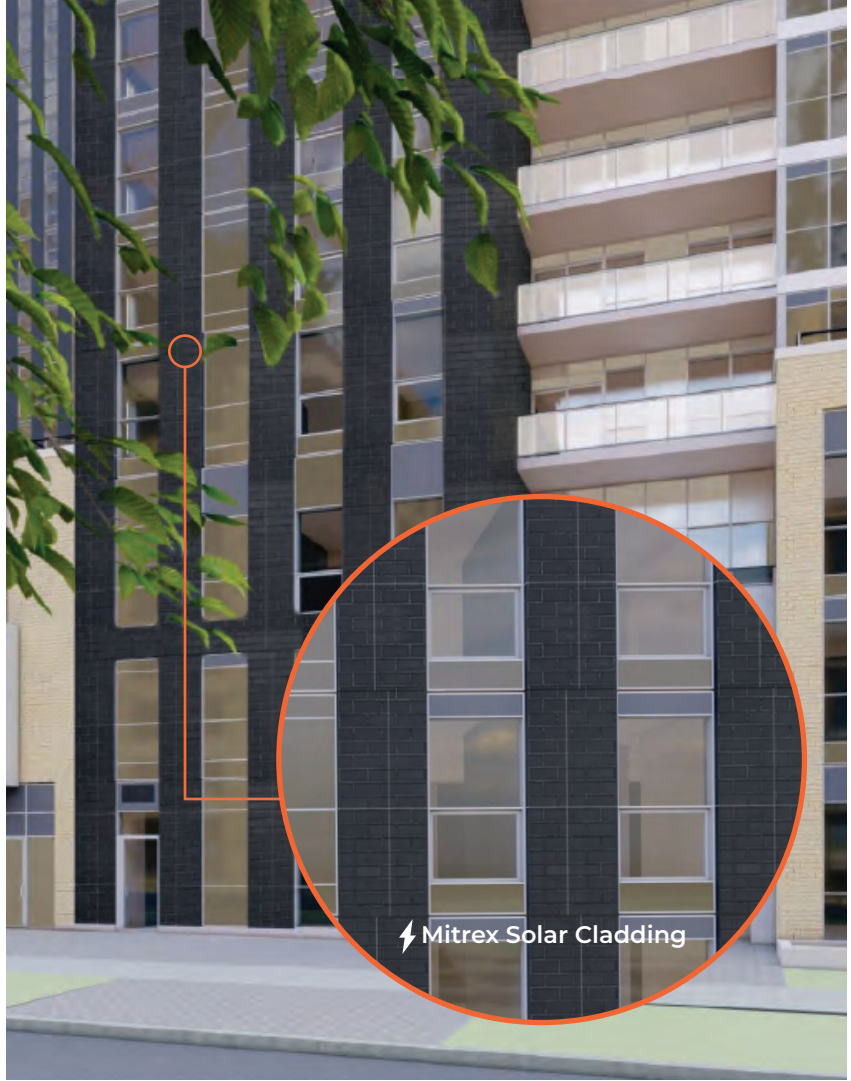

THE SNOW BALL EFFECT

Mitrex MPA

SAVING IN MATERIAL COST
$150 Million+

ENERGY REVENUE
$216 Million+

TAX INCENTIVES
$300 Million +

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

Mitrex DPA

ENERGY REVENUE
$1.4 Billion+

TAX INCENTIVES
$600 Million +

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ADDITIONAL VALUE COMPETITIVE ADVANTAGE

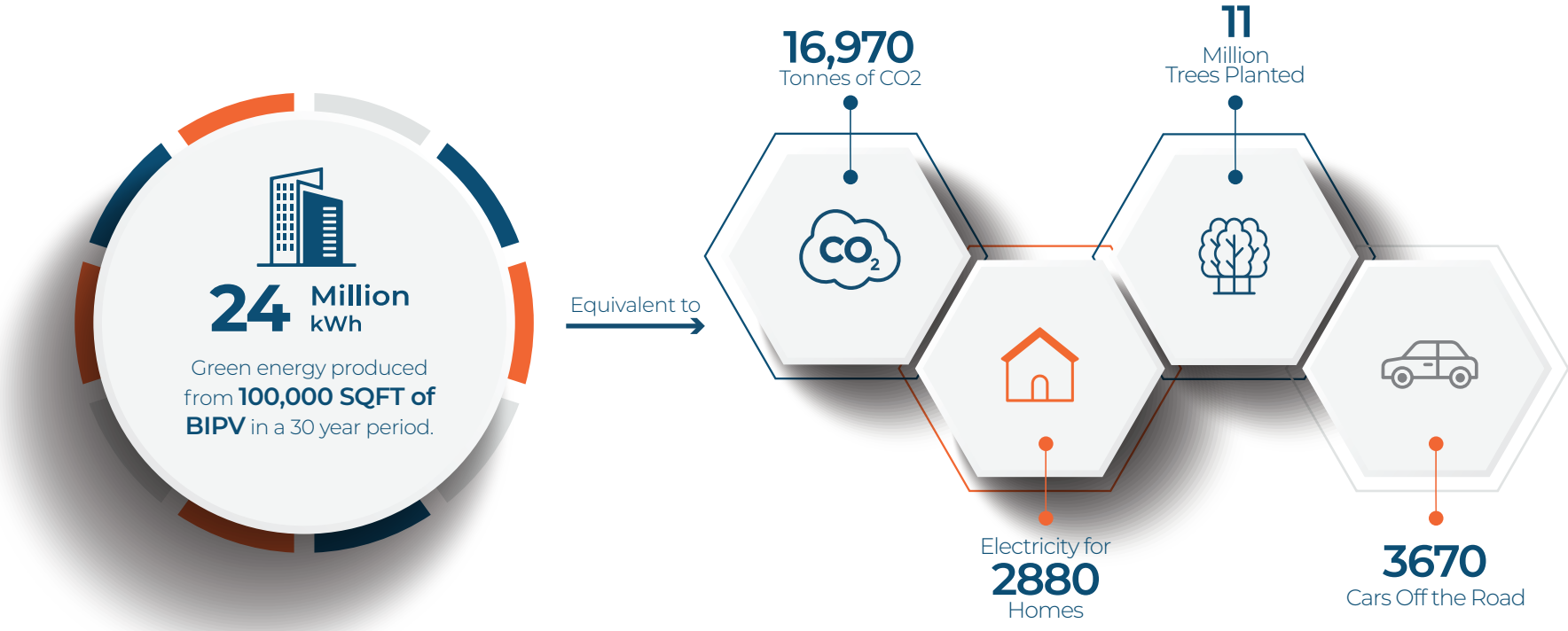
Tax savings can be reinvested into the building or into other areas of thebusiness

Improve R-Value and increased energy savings

Reduce carbon footprint

MITREX PRODUCTS

THE ENVIRONMENTAL IMPACT



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