ENERGY

Halifax Regional Municipality
Environment and Sustainability Committee
December 04, 2025

LAND ACKNOWLEDGEMENT

Before I begin, I want to acknowledge that we are gathered here today in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq People. This land is governed by the Peace and Friendship Treaties, which remind us of the responsibility we carry to honour the commitments made between peoples, and to care for the land and each other.

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Who am I?

- My name is Pulkit Gupta. I am 23 years old. Came to Nova Scotia when I was 19 years old as an undergraduate student after high school from Dubai. However, born in India.
- For the last 4+ years, Nova Scotia has been where I've grown, struggled, learned, and built my life.
- Today, I'm here because I want to give back and build something that lasts – clean energy, good jobs, and a better future for the province that welcomed me.

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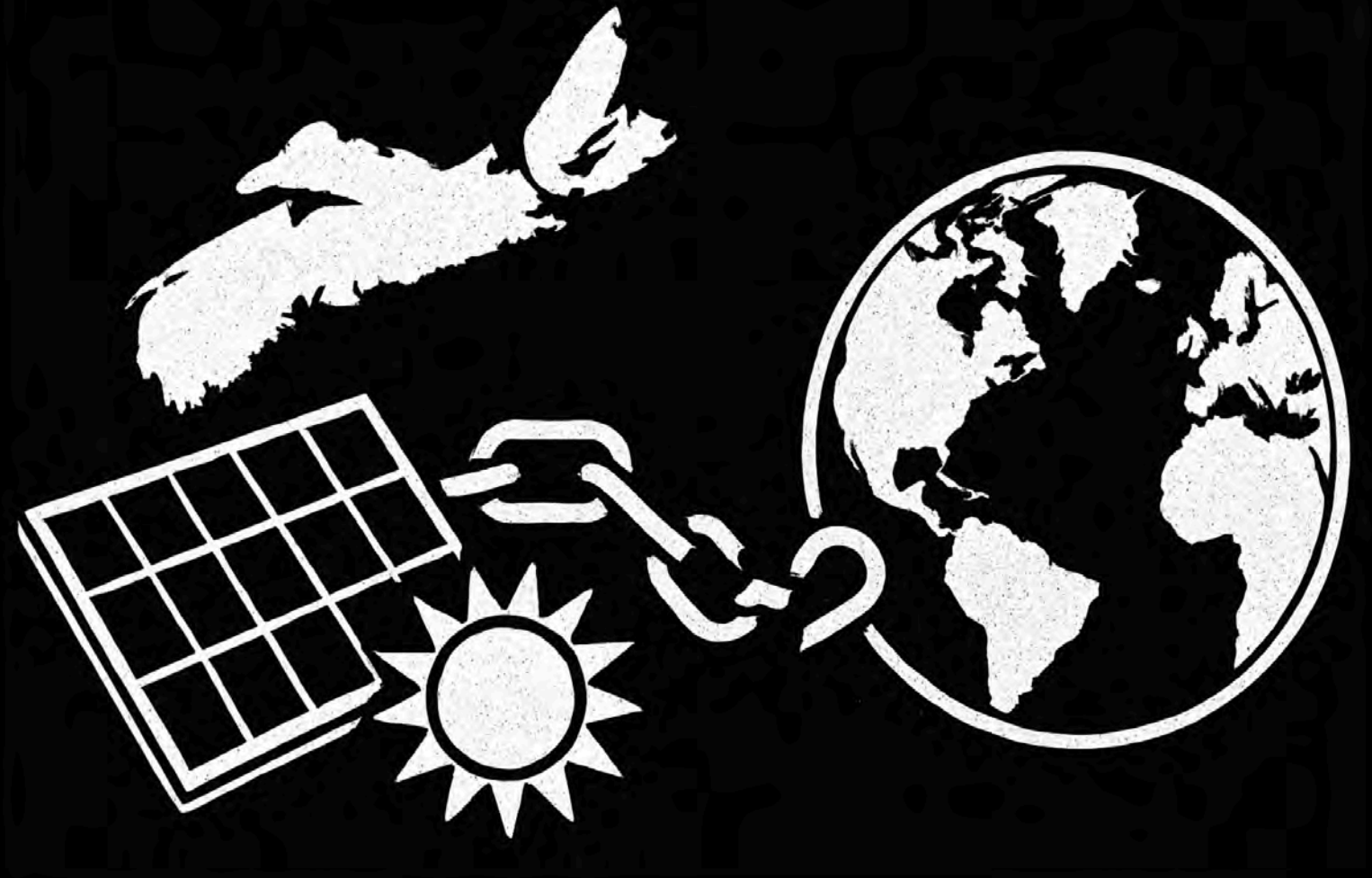
THE "PROBLEM(S)"

The Broken Supply Chain

- Nova Scotia relies 100% on imported solar hardware, causing delays and high costs.
- No control over global supply chains means climate goals depend on foreign factories, not local action.



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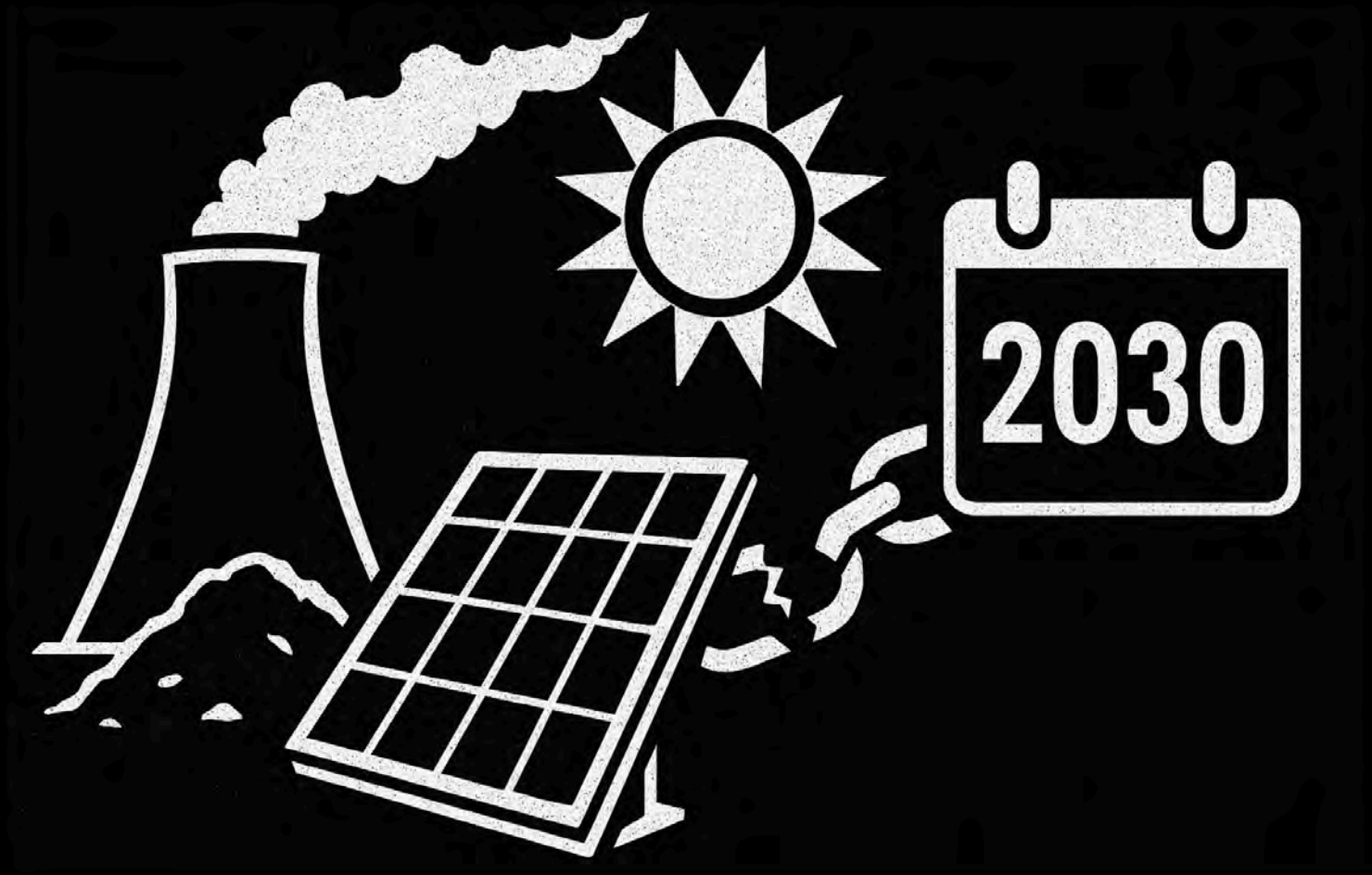
The Speed Barrier

- Solar is being deployed far too slowly to replace coal or meet 2030 climate targets.
- Import-dependent timelines cannot support the rapid build-out Nova Scotia needs.



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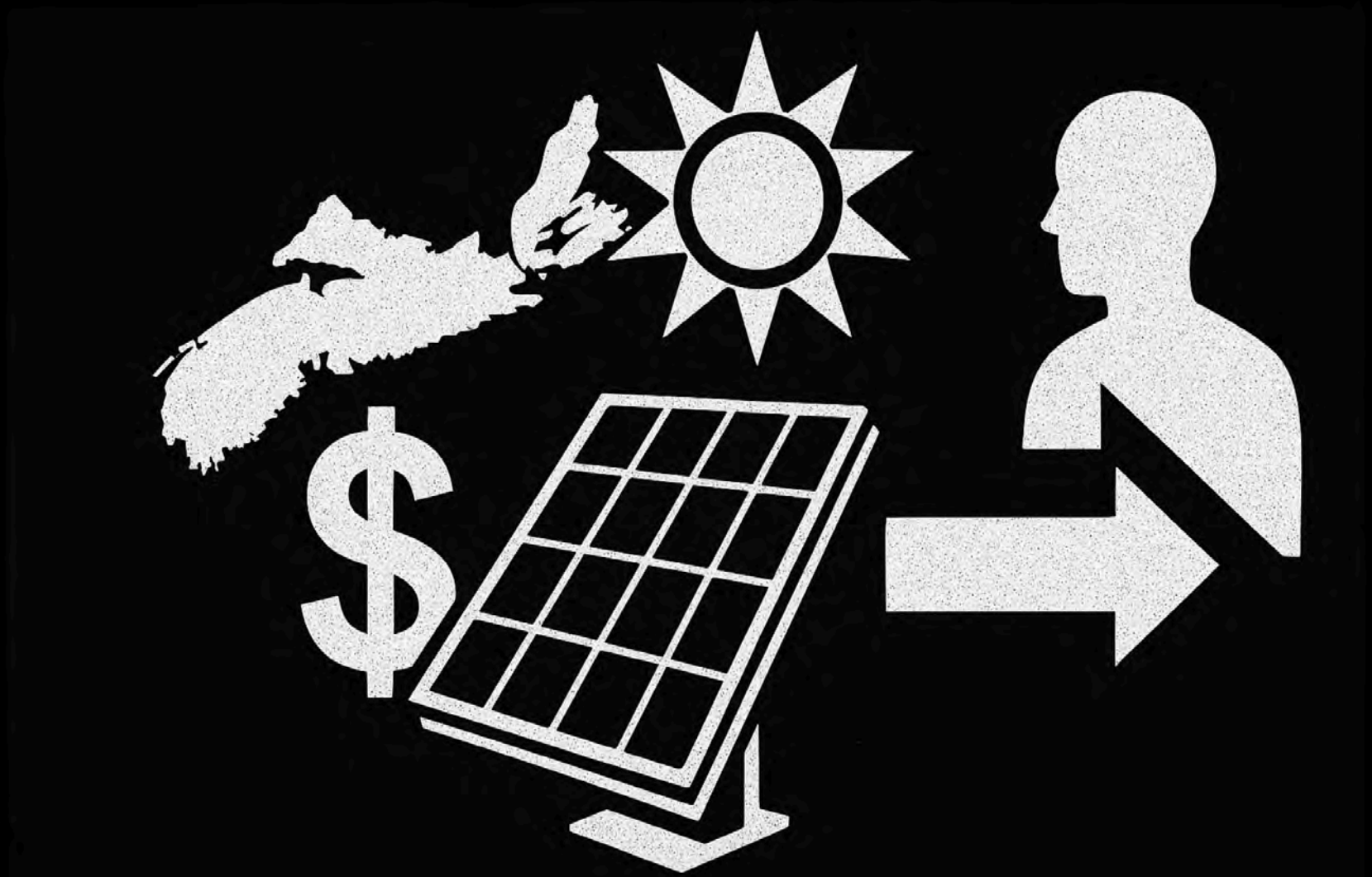
The Economic Drain

- Every solar panel purchased sends money, jobs, and skills out of the province.
- Nova Scotia loses the chance to build a renewable-energy industry of its own.



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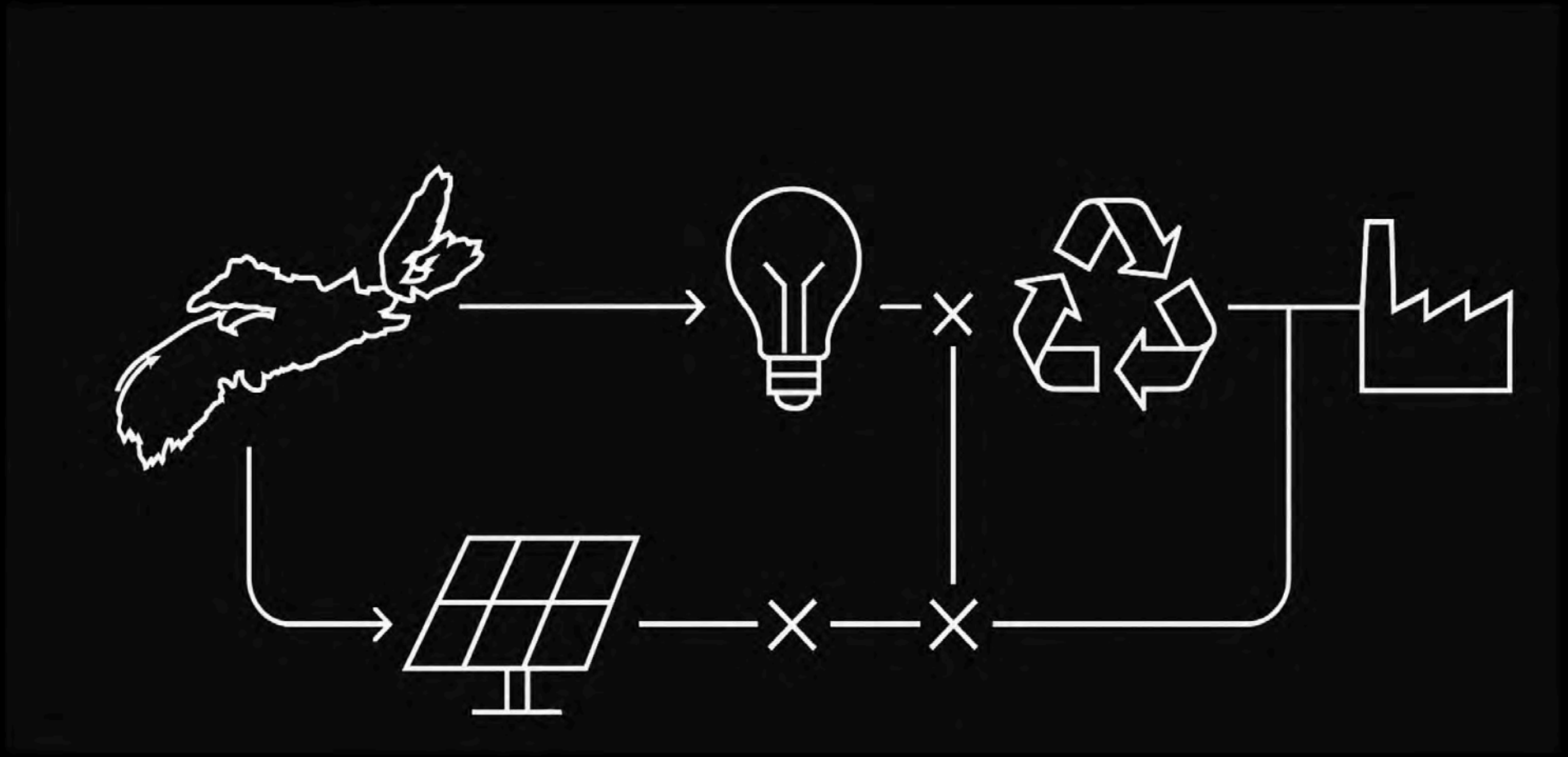
The Innovation Deficit

- Without local manufacturing, there is no solar R&D, no hardware IP, and no recycling ecosystem.
- Nova Scotia cannot develop next-generation clean-tech solutions without a local industry foundation.



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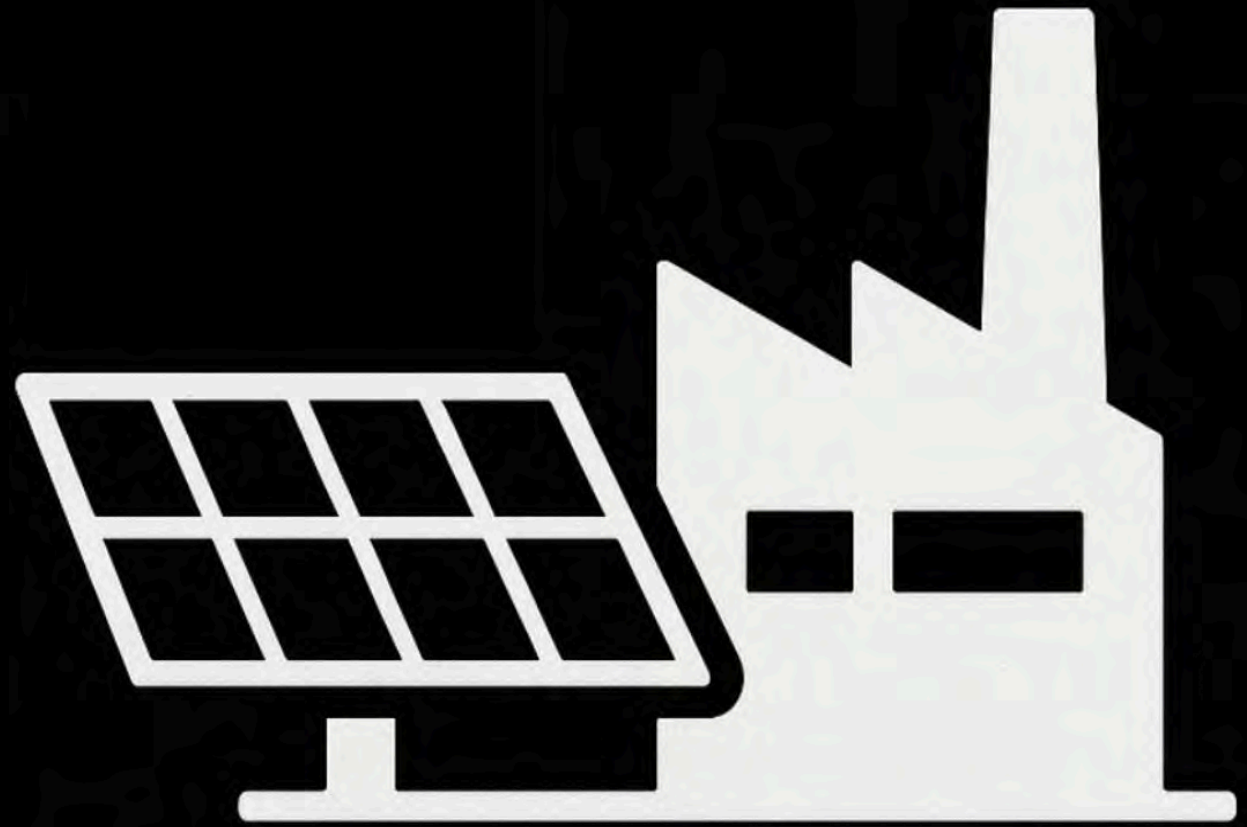
Solution

A Local Solar Manufacturing Hub

- Build a Nova Scotia-based solar module assembly plant.
- Hold local inventory and long-term supply contracts so projects aren't at the mercy of overseas shipping, tariffs, or currency swings.



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TCX Rapid Build-Out Program

- Standardize “plug-and-play” solar projects (e.g., 10MW TCX solar gardens) that can be replicated quickly across the province.
- Integrate manufacturing + EPC + logistics so panels, racking, and inverters arrive together as pre-engineered kits.

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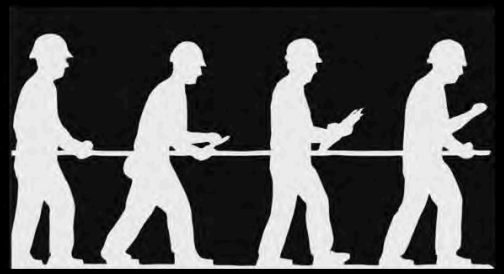

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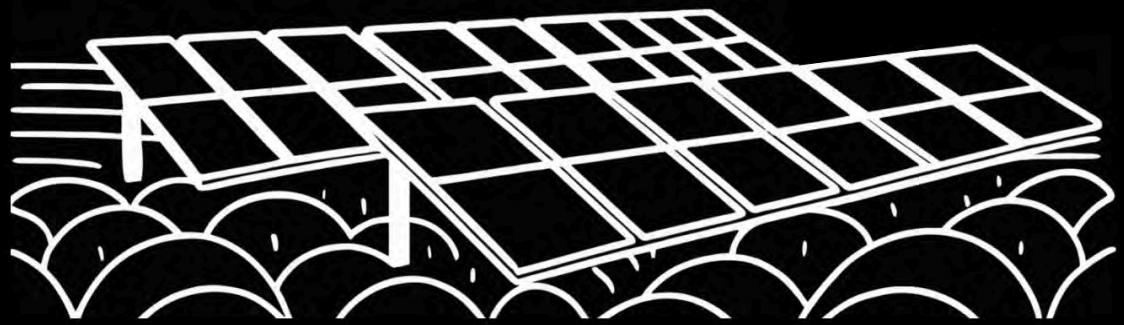

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Made-in-Nova Scotia Value Loop

- Keep spending in-province by creating local jobs in manufacturing, construction, operations, and maintenance.
- Partner with local colleges, Mi'kmaw communities, and municipalities for training, ownership stakes, and long-term revenue sharing.
- Export TCX panels and projects to the rest of Atlantic Canada so Nova Scotia becomes a net exporter of clean-energy hardware and expertise.

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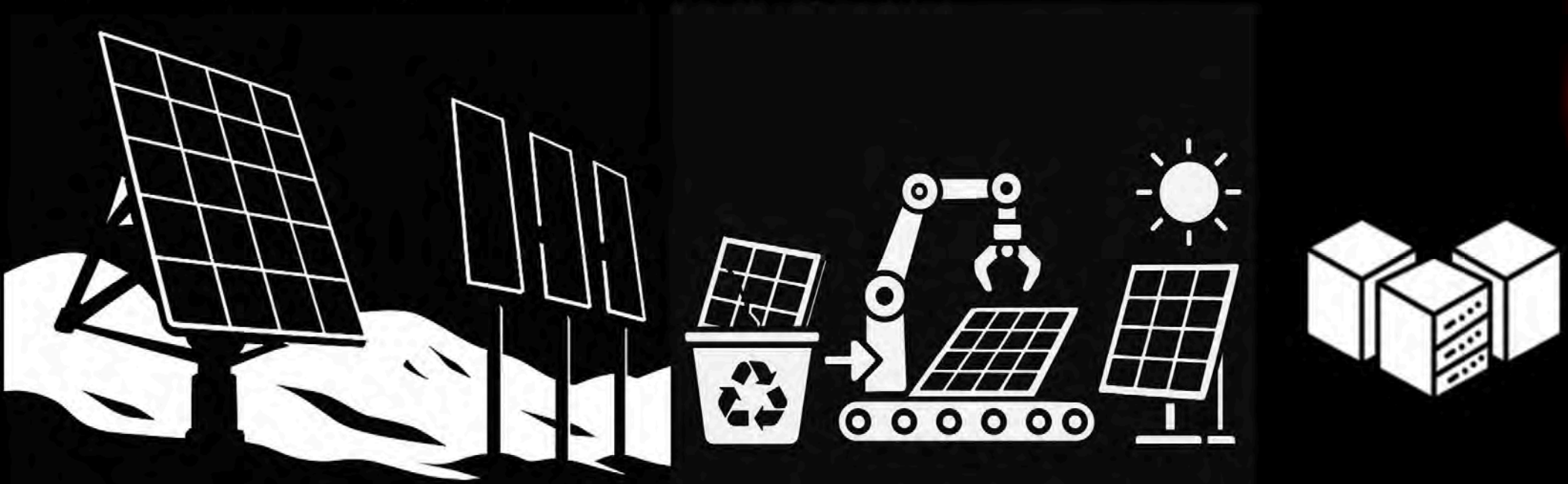
TCX Clean-Tech Lab & Circular Solar

- Establish an R&D hub for cold-climate solar, advanced tracking structures, and vertical/flag-style arrays built for high winds and snow.
- Build a solar recycling and refurbishment line, so end-of-life panels become a local resource instead of landfill waste.
- Use field data from TCX projects to continuously improve hardware, build Nova Scotian IP, and anchor a long-term clean-tech ecosystem.



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Our ask

- We’re asking HRM for land, partnership, and municipal endorsement so TCX Energy can build Nova Scotia’s first solar manufacturing and recycling hub, create local jobs, keep spending in-province, and help reach 2030 climate targets.

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Thank you!