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***Clean energy on every scaffold.**

*Problem

"Building renovations & Construction sites typically depend on grid electricity or diesel generators, which are costly and not environmentally friendly.

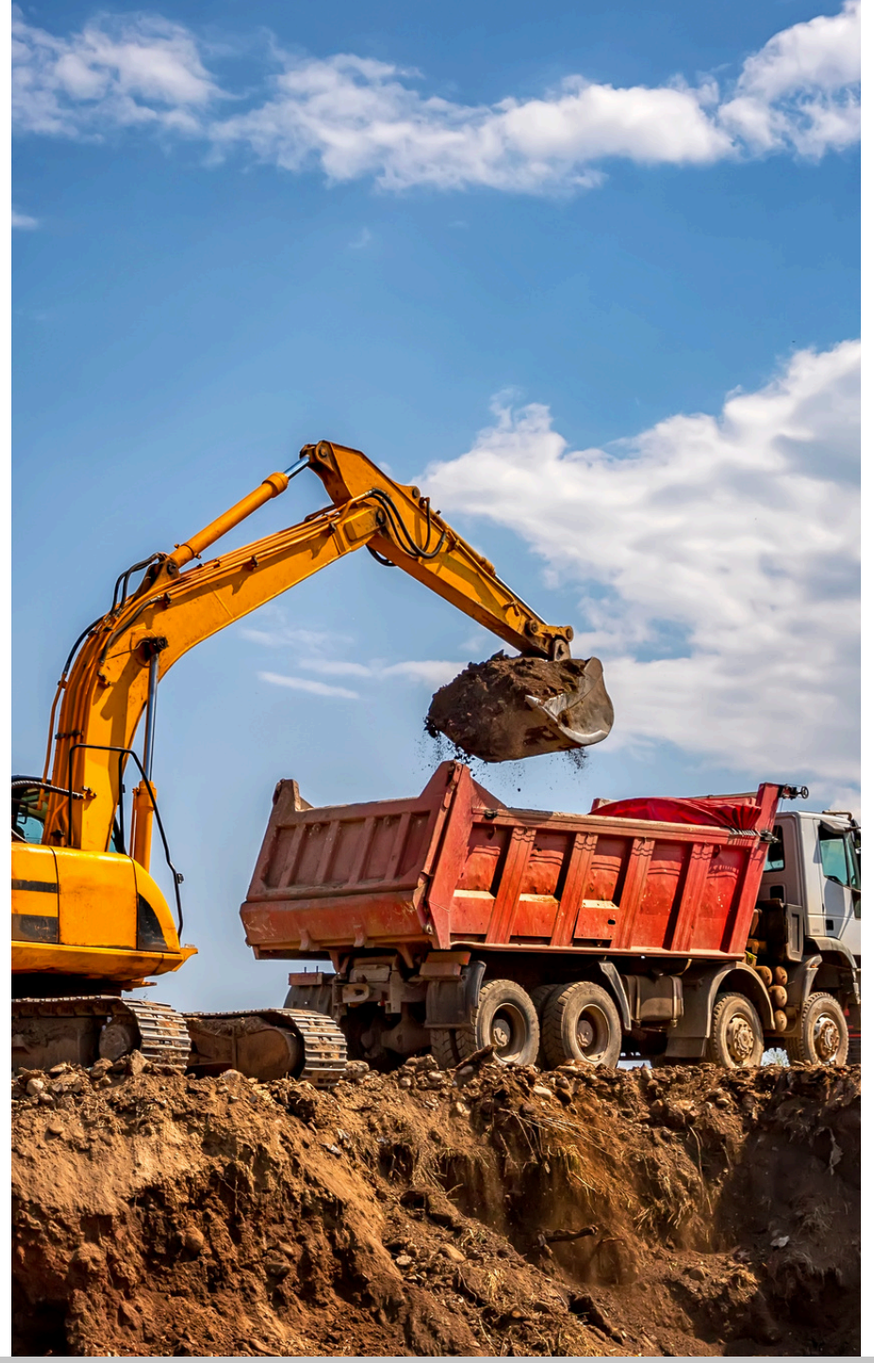
40% of global primary energy consumption World Green Building Council

50% of all extracted material

European commission

23% of air pollution

Bimhow



*Energy intensive

* Fossil fuels

*Solution

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Integrating lightweight solar panels kits into construction systems (sheds,scaffolding,facades,etc), allowing construction sites to generate clean energy and reduce their reliance on fossil fuels.

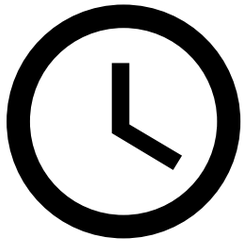
*Market / opportunity - need

The European Climate Law sets a legally binding target of net zero greenhouse gas emissions by 2050

75% of the EU's building stock has poor energy performance. The goal is to renovate **35 million buildings by 2030**. Need for achieving a zero-emission and fully decarbonised building stock by 2050.

European Commission

If we are to renovate the existing building stock, it is critical that we urgently deploy clean energy solutions to reduce GHG emissions."



Tic Tac.....

*Benefits

Impact:

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- CO2 Savings: metric tons of CO2 saved annually per kit, According to the Size of the installation required.
- Reduced Fossil fuel Energy Consumption (kWh) Vs. Clean energy produced per kit

For Real Estate stakeholders:

- Alignment with Green building standards and EU compliance
- First Mover Advantage
- Enhance CSR
- Economic benefits /savings
- Reduced Operational Costs
- Competitive Advantage
- Enhanced Brand image

For the Building owner:

- **Cost Savings:** Use the electricity generated by the solar kits to reduce overall electric bills during construction.

B2B model

- **Direct sales and leasing** of solar-Kits to Real estate, Construction & Scaffolding rental firms and other sector stakeholders: build market presence and customer trust

- **Upfront Licensing Fees + Ongoing Royalty Fees** (partnerships with companies)

- **Maintenance and AI services**: Ongoing revenue from AI-driven predictive maintenance

*Example

Scaffolding

Lightweight Flexible Solar Panels available in the market
(6kg each panel aprox.)

Related existing applications: Flexible solar kits for balconies or for Blinds; Scaffolding advertising-vinyl meshes

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Kit package content

(Kit capacity according to specific project size and requirements)

- Commercial flexible solar panels (i.e 400w, 1,73 x 1,14 x 3mm)

- 20KW inverter

- 38.4kWh battery

- Cabling and accessories

- Mounting
- elements

Assembly instruction manual, panel arrangement, connections, monitoring, and disassembly. QR codes to support videos

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Example ONLY , for a 150m2 vertical area
(systems will adapt to different sizes and requirements)

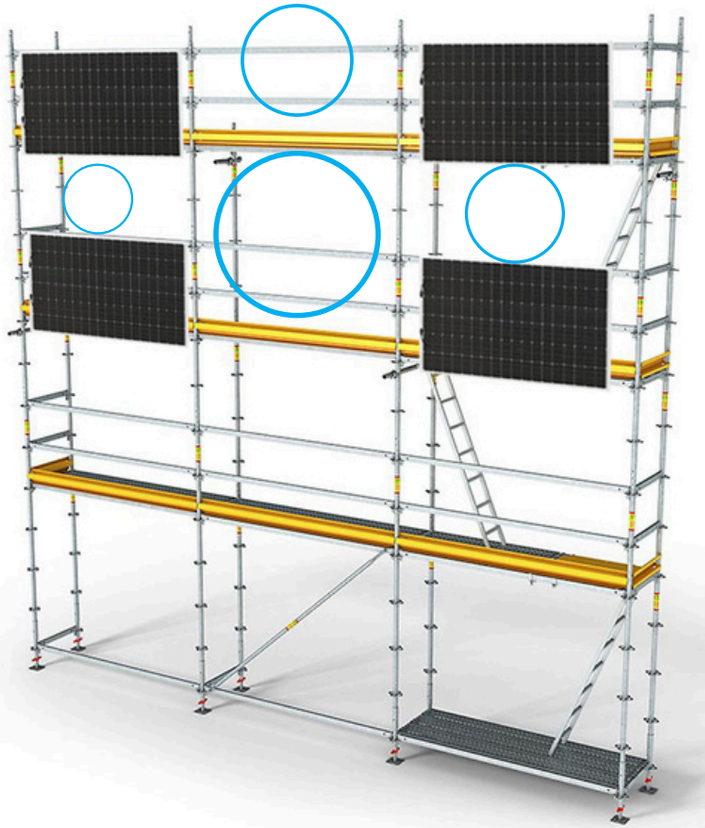
+

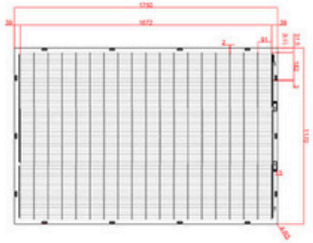
PV Solar + Battery

Potencia solar instalada:	**30 kWp**
75 lightweight PV panels / 400W	
Vertical area:	150 m2
ROI = 5 - 6 años	

Battery capacity:	38.4 kWh
Anual generated electricity (kWh)	30.390
Anual consumed electricity (kWh)	27.351
Not consumed Anual electricity (kWh)*	3.039

Distribution of panels according to instructions to avoid the "Sail Effect" (voids)





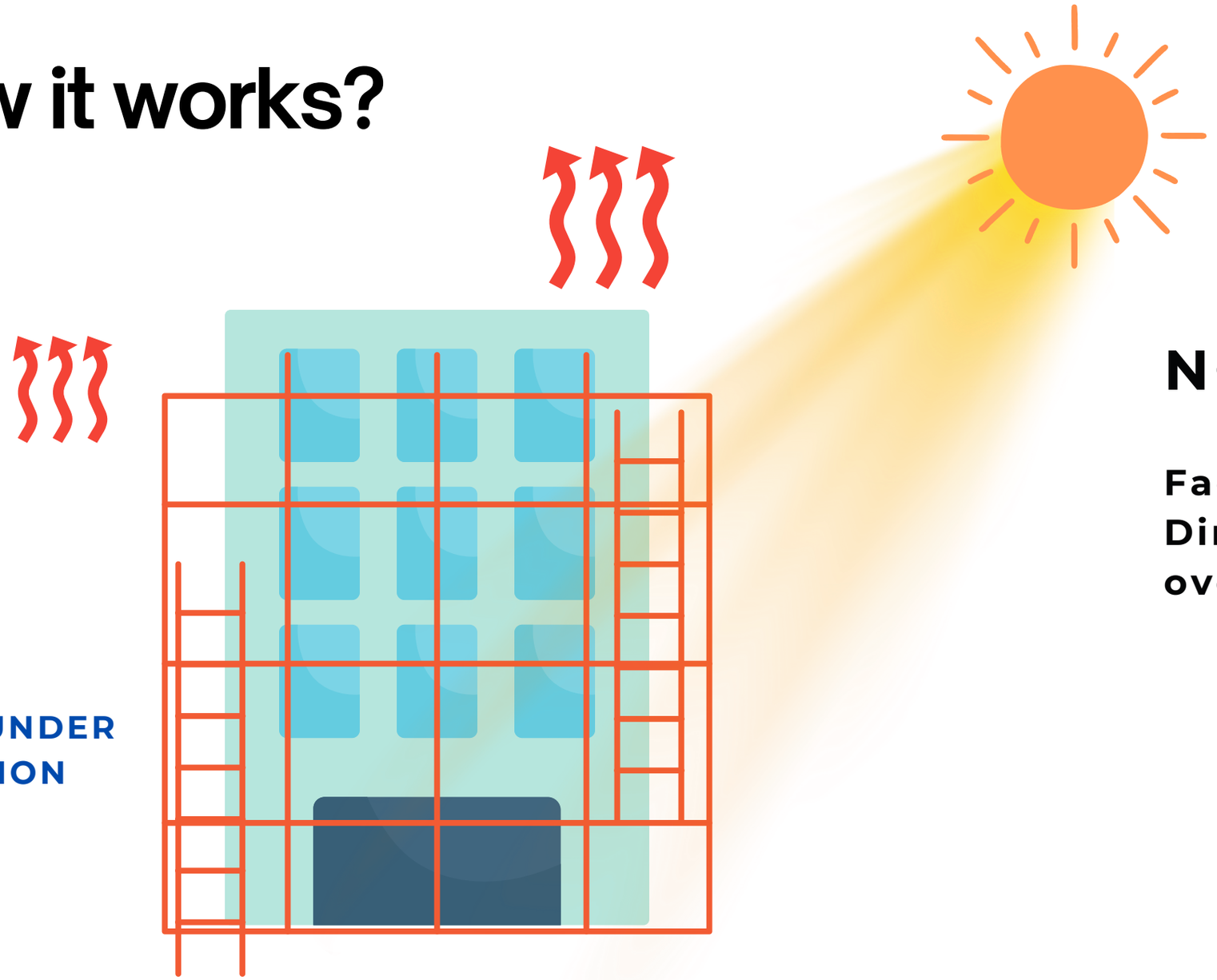
The panels can be installed from the scaffold itself, in front of the safety nets by the workers

We transform a traditional Scaffolding system

into a

New solar energy production scaffolding

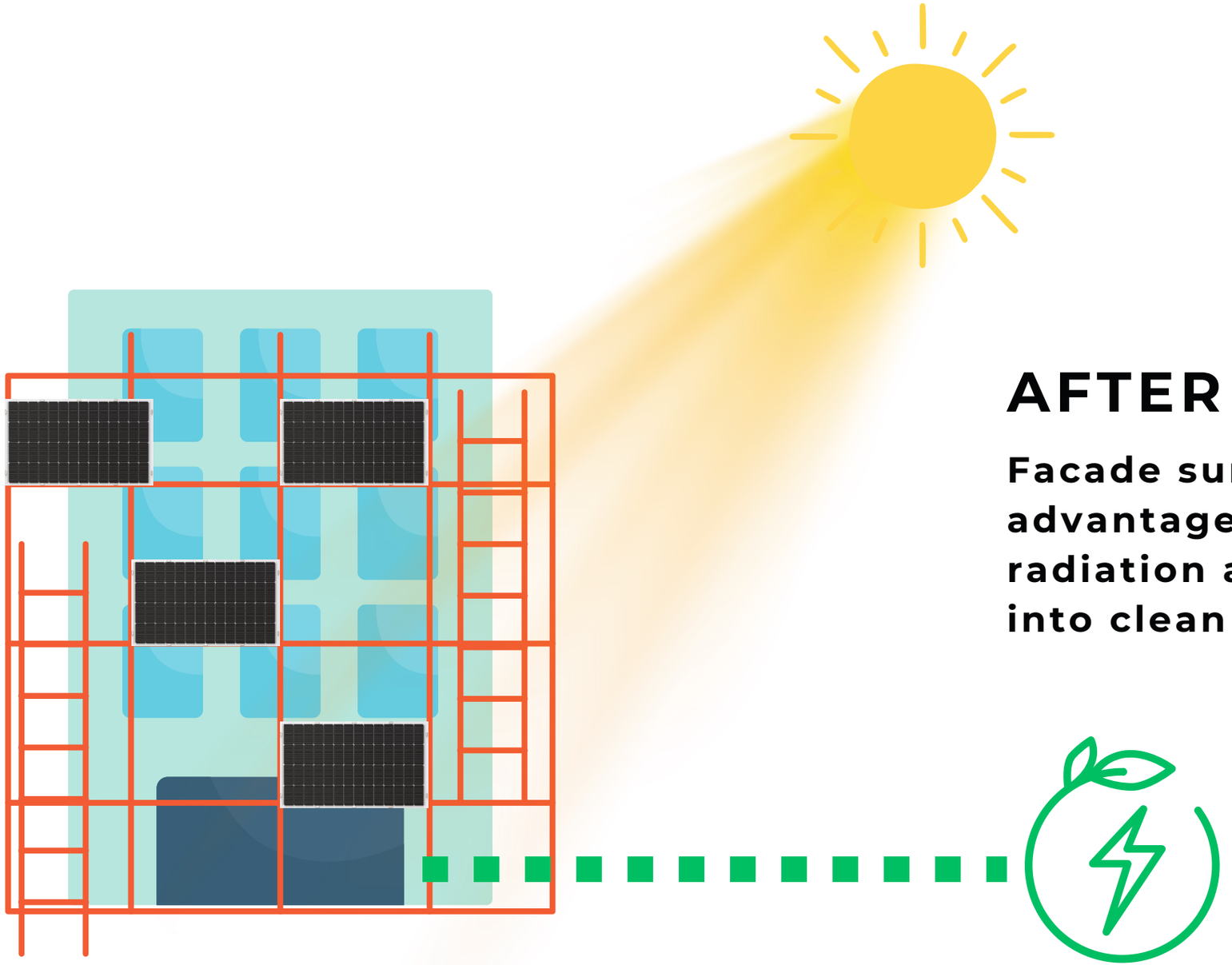
*How it works?



BUILDING FACADE UNDER RENOVATION WORKS

NOW

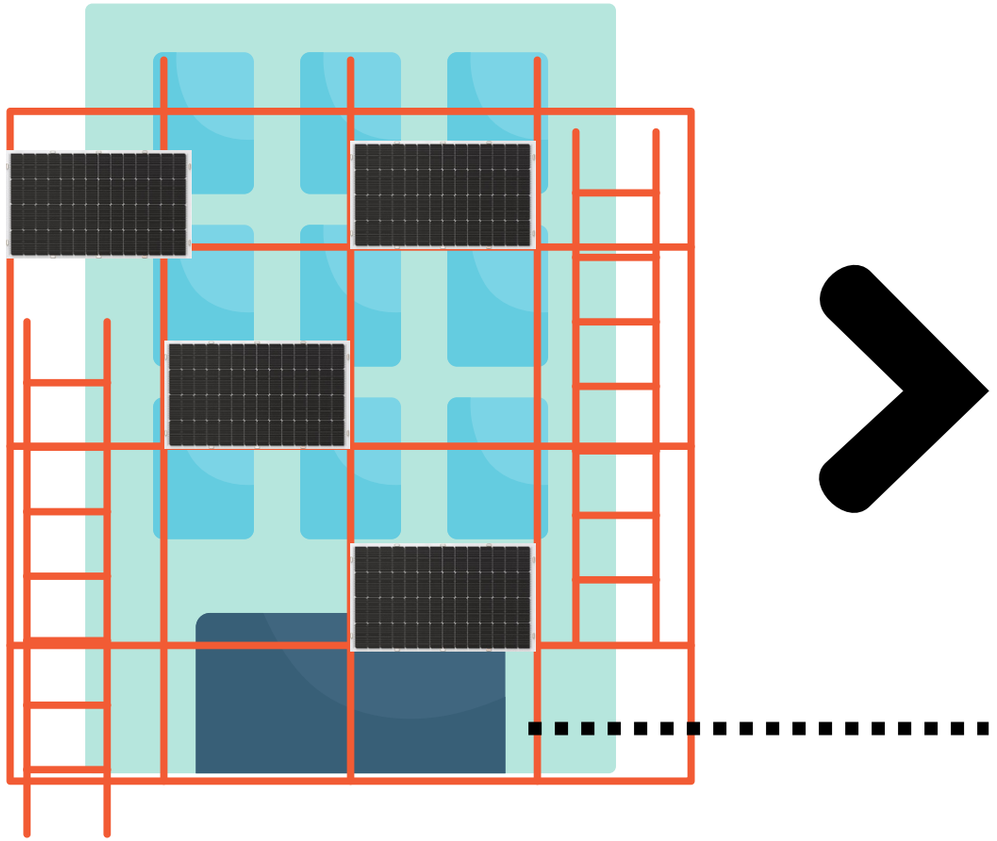
Facade getting Direct solar radiation / overheating.



AFTER

Facade surface taking advantage of the solar radiation and turning it into clean energy

*For what?



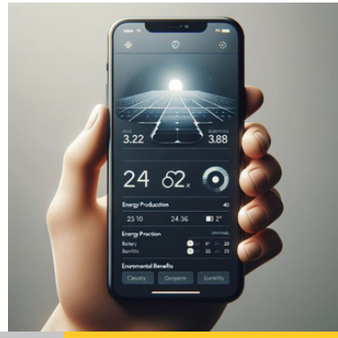
Electricity can be used for:

- **Building owners consumption**
- **Lighting Systems:** morning, evening, or indoor work
- **Power Tools:** Drills, Angle Grinders,Circular Saws, Jigsaws and Reciprocating Saws
- **Scaffolding Hoists and Lifts:** Used to transport materials and workers to various heights.
- **Welding Equipment**
- **Water pumps**
- **Concrete mixers**
- **Heating systems**
- **Security Systems**
- **Communication Devices**

*Monitoring

Integrating Artificial Intelligence (AI) into Enersite's operations

- Predictive Maintenance: Utilize AI to monitor the condition and performance of solar panels and associated hardware.
- Predictive Analytics: Use AI to analyze weather data and predict solar energy generation in different locations and times.
- Management of profile and purchases



*Team

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(Any agreement signed)

PURE
PV LEADER

“We are poised to transform the industry, making renewable energy accessible for every renovation & construction site, come and join our mission”

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