

Demian Natakhan

SAARC Energy workshop

'Sharing Australian Experiences in Solar
PV Technology'

26 Feb 2019

**How solar installer training
accreditation and solar
product accreditation
schemes ensure Australia's
solar revolution maintains
quality and safety standards**





Clients





Enhar's own accreditations and memberships:



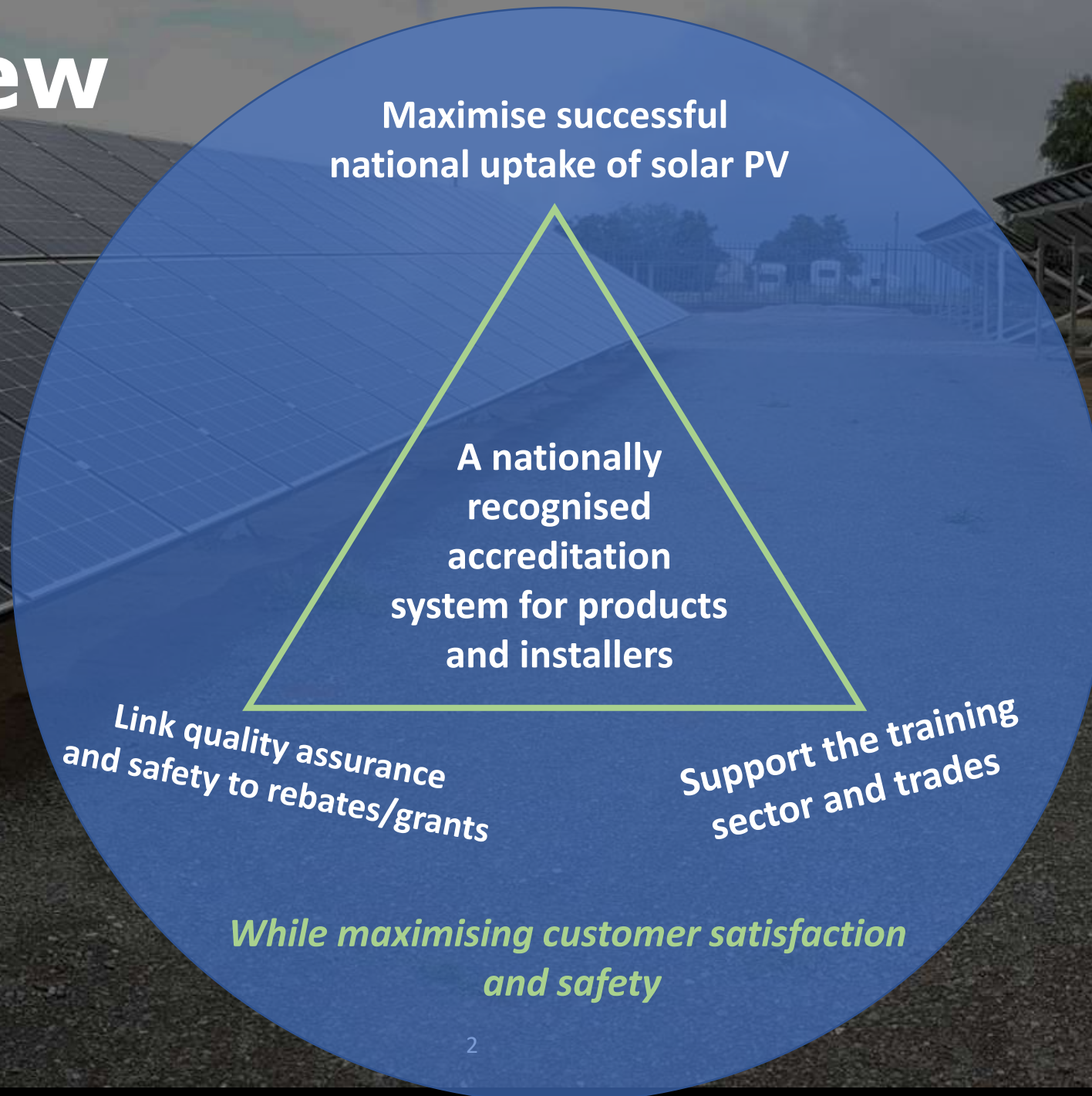
SMART ENERGY
COUNCIL

SMALL BUSINESS MEMBER



**CLEAN
ENERGY
COUNCIL**
MEMBER

Overview





CLEAN ENERGY COUNCIL



Approved solar products

We maintain a list of approved solar modules and inverters that meet Australian Standards for use in the design and installation of solar PV systems. Accredited installers should always refer to these lists before performing an installation.

[LEARN MORE](#)

ONLY WORK WITH THE BEST

ARE YOU WORKING
WITH APPROVED SOLAR
RETAILERS?

[FIND OUT WHO THEY ARE](#)

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MEMBERSHIP

Clean Energy Council membership supports the overall work of the Clean Energy Council in advocating for an effective policy and market framework for clean energy, as well as promoting the industry and its achievements.

COMPLIANCE AND STANDARDS

The Clean Energy Council is committed to ensuring the high quality of solar installations by accredited installers and improving the standards of the solar PV industry.

[VIEW THE GUIDELINES →](#)

GRID CONNECTION

Before having a renewable energy generator installed at your property, you must seek approval from your power distribution company to connect the system to the electricity grid. We talk you through the processes.

Some areas Enhar
is working on:

Solar on former landfills

+ve Repurposing low value land

-ve Geotechnical challenges



Visualisation:
Newcastle City Council
5MW project under
construction

Source: Newcastle City
Council



*Feasibility designs
by Enhar on former
landfills*



SYSTEM SIZE : 1.09MW_{dc}
320W MODULES | 1960mm x 947mm Qty: 3,400
170 FIXED TILT UNITS (2 x 10 MODULES)
24kW STRING INVERTERS | Qty: 37 (890.2 kW_{ac})

Selecting the optimum array technology

Technologies include:

- North-facing fixed tilt
- Single axis trackers
- East-west fixed tilt
- PV geomembrane

Constraints include:

- Preservation of the cap's seal
- Differential settlement
- Landfill gas

Optimisation metrics include:

- Energy yield vs land area
- Lowest cost of energy
- Ease of maintenance



Images: Joule Energy



Images: Nextracker



Images: 5B

Image: Solatics



Thank you

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Photo: Enhar