



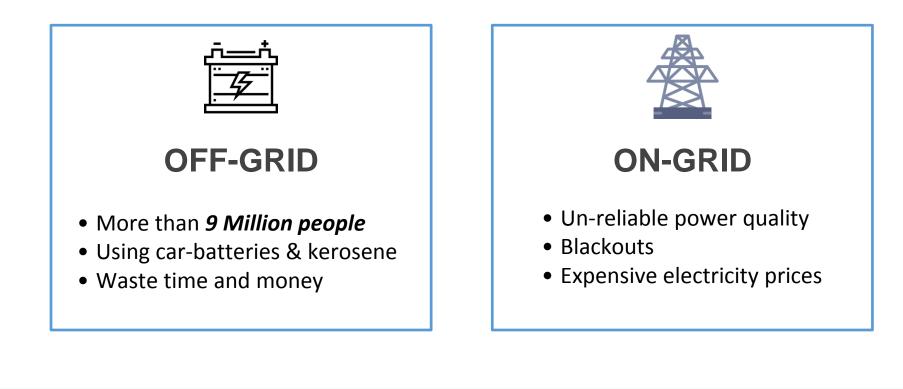
#### UNLOCKING THE POTENTIAL of SOLAR ENERGY IN CAMBODIA

Jack Pegler, NRG Solutions 5<sup>th</sup> June | Auditorium D, ADB





### **ENERGY IN CAMBODIA**





## **TWO MARKETS – TWO BRANDS**







#### **TWO MARKETS – TWO BRANDS**









# **WHO is Our Customer?**

#### **Over 60% household**

#### are using car batteries



Polluting

Inconvenient **Expensive** 







# WHO is Our Customer?

#### **Over 60% household**

are using car batteries



\$50M market opportunity for solar









# But what's stopping the customers?



## But what's stopping the customers?

#### Trust

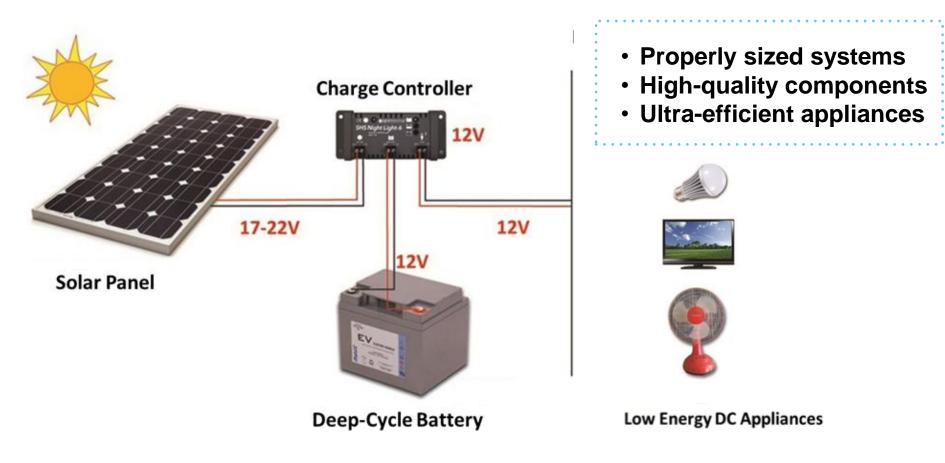
- Poor quality products
- Lack of proper engineering
- Little/ no after-sales support

## Affordability

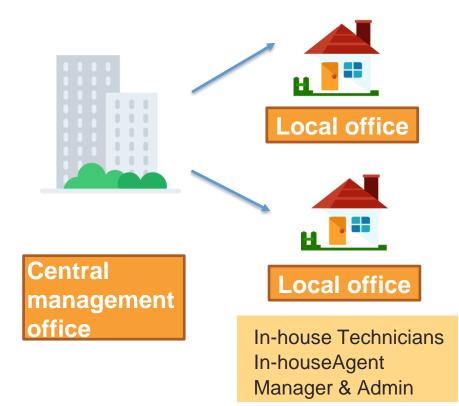
- Solar cheaper *in longterm*
- Up-front cost prohibitive



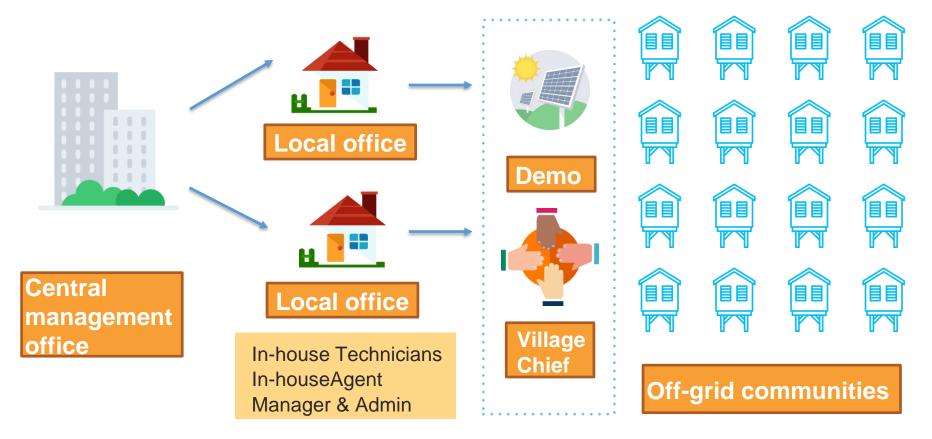
## By providing quality products



## By effective distribution



## **By effective distribution**



## By timely after sales support



- Structured after-sales plan
- 24hr service hotline
- 48hr issue resolution



#### HOW do we make it affordable?

## By offering end-user financing

- MFI Partnerships
- Customer pays over 12-24 months
- We get paid < 30 days after installation</li>









### **BUSINESS MODEL**

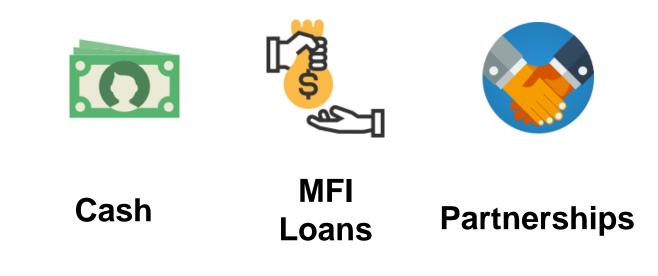
#### Selling Solar Home systems direct to end-users





## **BUSINESS MODEL**

#### 3 revenue streams





## **MANAGEMENT TEAM**

#### Strategy, Logistics & Finance

#### **Field Operations**









Daniel Pacheco, Founder / CEO Jack Pegler, Operations Manager

Pha Sovananra, Distribution Manager

**Pin Phalla,** Technical Manager



#### WHAT HAVE WE ACHIEVED SO FAR?



#### Sold over 2,000 products



Accredited for quality and service





Founding/active member of Solar energy association of Cambodia





#### Successful pilot of <u>PAYGO</u>:

- 75% uptake
- zero defaults



## WHAT COMES NEXT?

#### Expansion

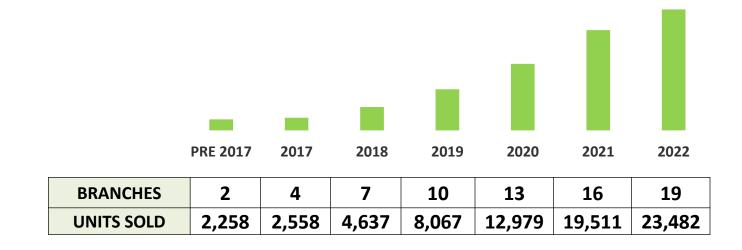
- 3 new offices / year
- 19 branches by 2022
- Invest in strengthening network
- Product diversification

#### **Internal Financing**

- Build on pilot project
- Internal financing
- Avoid challenging MFI partnerships







CUMULATIVE IMPACT IN 2021					Model by:
PEOPLE IMPACTED	GHG kgCO2e	EXTRA HOURS OF LIGHT	EXTRA HOURS OF STUDY	ENERGY SAVINGS	ACTS ACTS Assistance for Capacity-building and Technical Services
127,977	2,254,272	21,442,001	4,288,400	\$4,461,580	



## We're asking for **\$500k** in **equity / debt** to:

- Strengthen and expand our network to increase reach
- Offer internal end-user financing to bypass MFI





## **Commercial and Industrial Solar Solutions**



# WHO is Our Customer?



No Power / blackouts



20¢/kWh on grid, more for diesel

#### **Individuals & Organizations**

Looking for secure energy supply



No access to financing



# **Providing a SOLUTION**

#### Custom-designed systems

5-100kW

- On-Grid
- Off-grid
- Hybrid

#### **Focused On**

- Understanding needs
- Quality components & installation
- Excellent service and support



# **BUSINESS MODEL**



#### EPC PROJECTS

#### COMPLETED TO DATE

100% CASH PAYMENT

# **ENGINEERING TEAM**







Daniel Pacheco, Founder / CEO Quentin Boch, Project Manager Bastien Adamo, Project Manager





>35yr

Artur Vila, Technical Manager Col Williams, Site Manager Engineering experience

#### WHAT HAVE WE ACHIEVED SO FAR?



Authorized distributer for 💥 CanadianSolar



Won contract with Total Cambodia in Siem Reap Airport



Partnership with





Sold first project with customer financing



### WHAT COMES NEXT?





# We're looking for partners to provide project financing

## PILOT:

#### 80kW on grid High-profile factory in Phnom Penh Business case for Clients & finance



## **EXCITING OPPORTUNITES**



#### New Partnership to

serve both markets

- First SHS Shipment
- Large on/off-grid projects under study



## **THANK YOU!**



Rural distribution network providing solar home systems to *off-grid households* 

# ning solutions solar energy and lighting

Engineering and consultancy servicing *residential, commercial and industrial customers* 

#### \$500K EQUITY/DEBT

#### **PROJECT FINANCING**

#### jack@nrg-renewables.com



APPENDIX

# Competition

- Existing solutions (Kerosene & Car Batteries) } Expensive & dangerous

- Local (mobile) Sellers

- Local markets and hardware/electrical shops

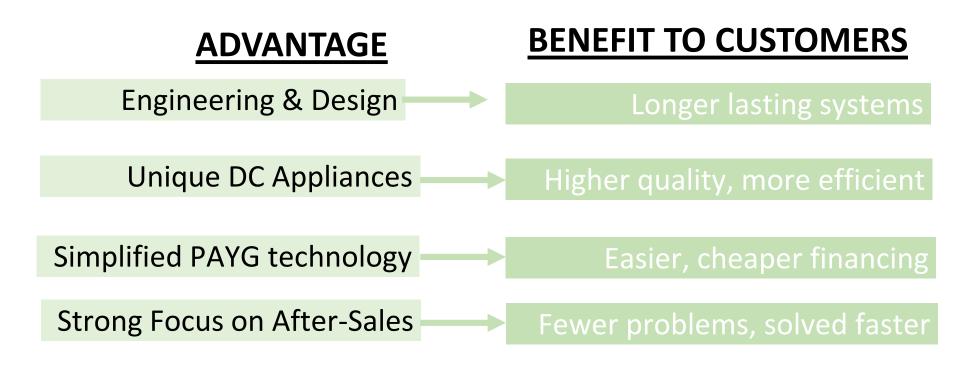
- Non-accredited solar companies

Cheap but low quality, no financing & poor design and service.

- Other "Good Solar" Accredited Companies



# **Competitive Advantages**





# **Risks & Mitigation**

