

CLENERGIZE
CONSULTANTS

JINKO Panel – Techno
Commercial
Assessment



Clenergize



Clenergize Solar Consultancy

Who we are and what we do

Who we are

- Team of designers, engineers, legal and financial specialists.
- Technically strong with projects designed and delivered in Europe, Middle East and Africa.
- Worked in government utilities, MNCs, OEMs and developers
- Our senior consultants and advisors have helped in project development and policy development.

What we do

- Solar Energy Consultancy
- Owners Engineers/Lenders Engineers
- Tendering, Offer Review, Solar Contracts, Permitting, Approvals and design review, supervision, commissioning support, training.
- Solar design packages for C&I and Utility projects including permitting and project management.

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About Clenergize – References in the Region

**550 +
MW**

**140 +
PROJECTS**

OWNERS ENGINEER **200 MW**

LENDERS ENGINEER **56 MW**

FULL ENGINEERING DESIGN **255 MW**

PROJECT MANAGEMENT ONSITE **471 MW**

REPORTS, STUDIES, AUDITS etc. **55 MW**

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About Clenergize – References of over 550 MW in the Region

550+ MW

140 + PROJECTS

aramex
delivery unlimited

Emirates
Flight Catering

Agility
Global Integrated Logistics

al tayer

LANDMARK
GROUP

almaya

METITO
Commitment to a
Cleaner Environment

دبي الجنوب
DUBAI
SOUTH

VEOLIA

AL HABTOOR MOTORS

pepsi.

ماجد الفطيم
MAJID AL FUTTAIM

CITY CENTRE
MIRDIF

CITY CENTRE
SUHAR

CITY CENTRE
FUJAIRAH

Mall of the Emirates

Al-Futtaim
IKEA

Spinneys

AGMC
ROLLS
ROYCE

ATLAS
Al Shirawi
Equipment Co.

Leminar
GLOBAL
Commitment Beyond Comparison

THL PIPE

JASHANMAL
جاشنمال

ASWAN
INTERNATIONAL ENGINEERING
AN AL SHIRAWI GROUP COMPANY

NESTO
GEEPAS

GALADARI
BROTHERS

EMERSON

امارات
Emarat

EMIRATES PRINTING PRESS (L.L.C.)

OCC

شركة تنمية نفط عمان
Petroleum Development Oman

Arabian Oasis Industries LLC

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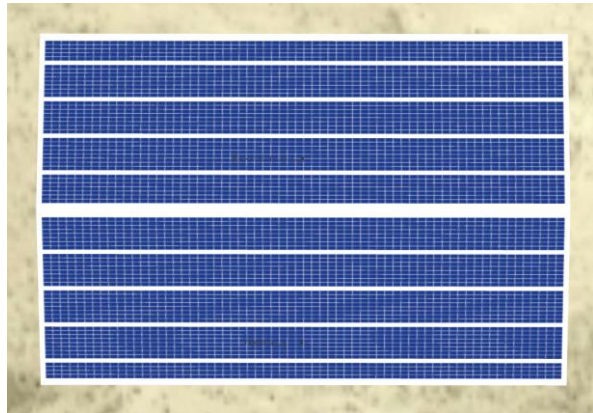
Typical Project

- We analyze a typical rooftop project of **2.5MW** in Dubai UAE
- We use 2 panels in the assessment – **545 P Type** and **560 N Type**
- The available area and other project parameters is kept same for both
- The costing is done based on **present market pricing**
- The following slides show the technical and commercial assessment

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Technical Assessment – Capacity and Yield

P TYPE 545



2,511 KW

1,608 KWH/KWP

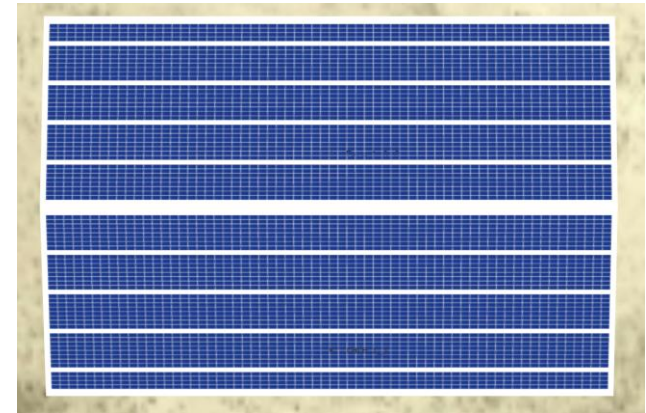
4,038 MWH

+3 %

+2 %

+5 %

N TYPE 560



2,580 KW

1,642 KWH/KWP

4,238 MWH

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Financial Assessment of the 2.5MW Solar Plant

P TYPE 545

N TYPE 560

IRR %

29%

+3 %

30%

Return On Investment USD in 25 Years

11,962,000 USD

+9 %
1 MUSD

13,000,000 USD

YEAR 1 Savings USD

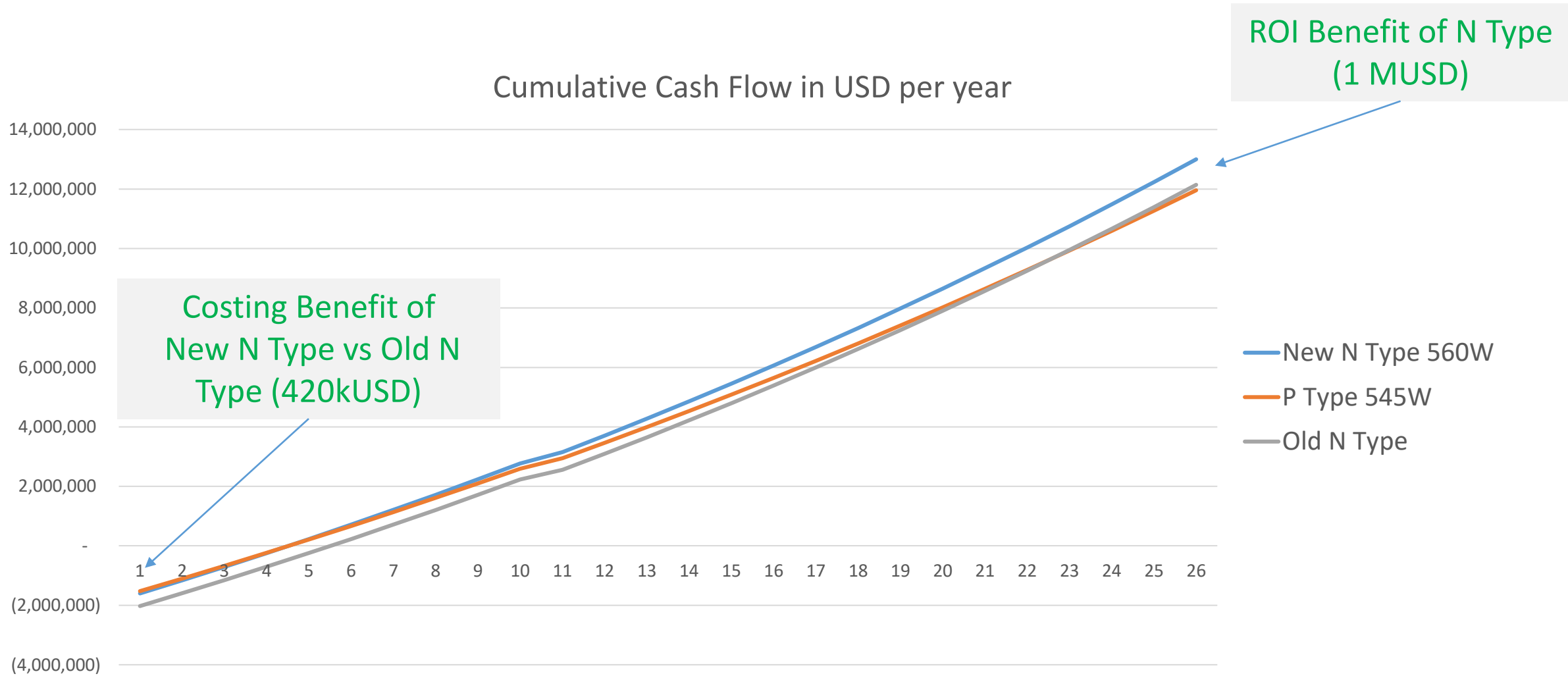
458,000

+5 %
22k USD

480,000

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Cashflow – Old N vs New N (560 Jinko) vs P (545 Jinko)





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