

Moving the sun  
light to the world

 **VISEL**

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# About us



Visel Group consist in the Promotion and development of photovoltaic industry and benefiting mankind by becoming world-advance total solution provider of photovoltaic power generation system with innovative ideas, strict standards, creditable brand and excellent team.



Stablished in 2012 with a society capital of 2 million dollars.



Total turn over of 37 million USD in 2015 and 2016



Total benefit in 2015 and 2016 3,5 million USD



Strong presence in 4 of the 5 continents in the world



Over 184Mws sold

# Our target

**New** solutions

**Systems worldwide**  
**integrated**

**Renewal**  
**energy**

For a sustainable success and to secure the environmentally-friendly energy generation as a alternative to fossile energy sources, **VISEL GROUP keeps working at new solutions in the field of photovoltaics.**

Affordable solar energy through photovoltaic **systems worldwide, perfectly integrated into the public grid this is our focus.**

For this sustainable and economic target, we develop and design innovative and price-efficient photovoltaic solutions. As an international market leader, **we believe in renewable energy production as the future technology.** With our know-how and innovative capacities we make photovoltaics available in all regions of our world.

# Our values

At Visel group, our mission is to **Achieve Extraordinary Results** for:

**OUR CLIENTS** by providing services of exceptional value

**OUR EMPLOYEES** by presenting opportunities for growth

**OUR COMPANY** by delivering profitable performance

## Integrity

We are committed to the highest standards of ethics and integrity

## Safety

We will not compromise on quality and safety

## Innovation

New ideas are encouraged, considered and responded to in a timely manner

## Customer Satisfaction

Valued relationships with our customers and vendors are critical to our long-term success

## Employee Satisfaction

We will recognize, reward, and provide opportunities for those who excel. Every person in the company is an important member

## Hard Work

Each individual accepts responsibility and will be accountable for

## Community

We will maintain a culture of mutual respect, trust, openness and candor



# Group structure



## SPAIN

### WHAREHOUSES

Calle Pla Del Pou s/n, 46184  
San Antonio Benageber  
Valencia



## CHINA

### FACTORIES

Renmin Rd n98, Qiaoqi  
Industrial Zone, Jiangyin City,  
Jiangsu Province



## UK

### OFFICES

23 Woodvale Av., Giffnock,  
Glasgow, G46 6RG



## HOLLAND

### WHAREHOUSES

Marco Polostraat street 28,  
3165 AL Rotterdam



## PANAMA

### FACTORIES

50 Nicanor Obarrio street, Los  
Leones P/8, Panama City



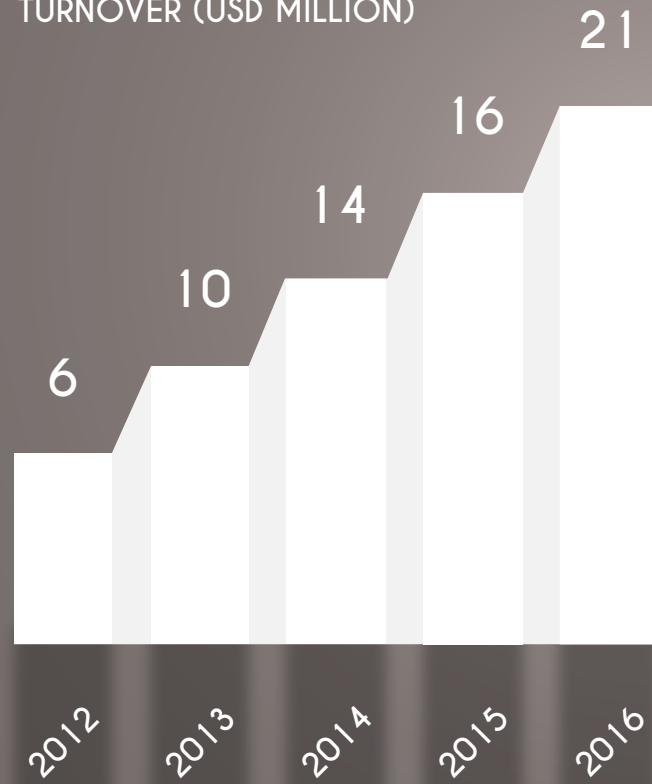
## CYPRUS

### OFFICES

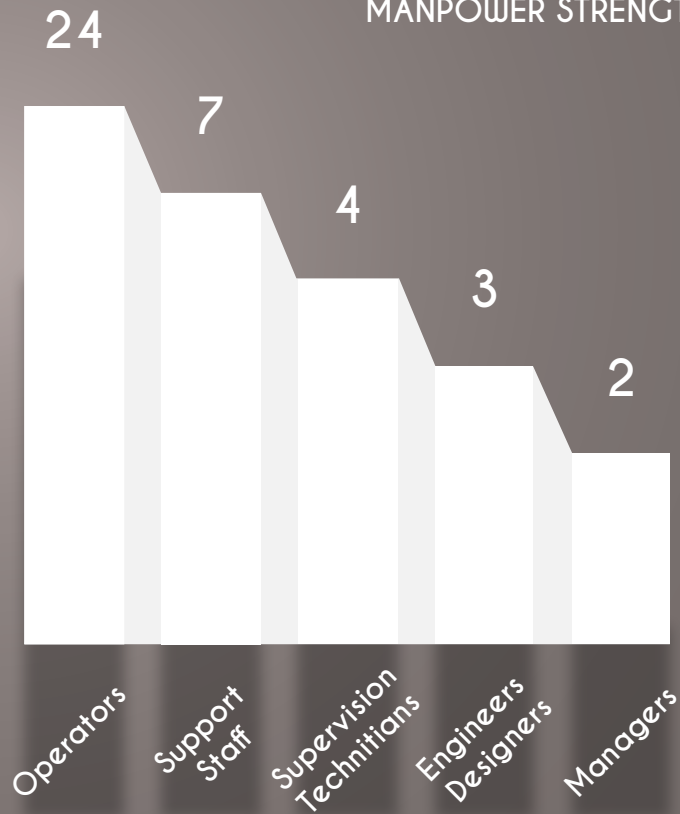
40 Arch. Makarios III  
Av. Raptopoulos Building,  
office 301, 3021 Limassol

# Capability snapshot

ANUAL TURNOVER (USD MILLION)

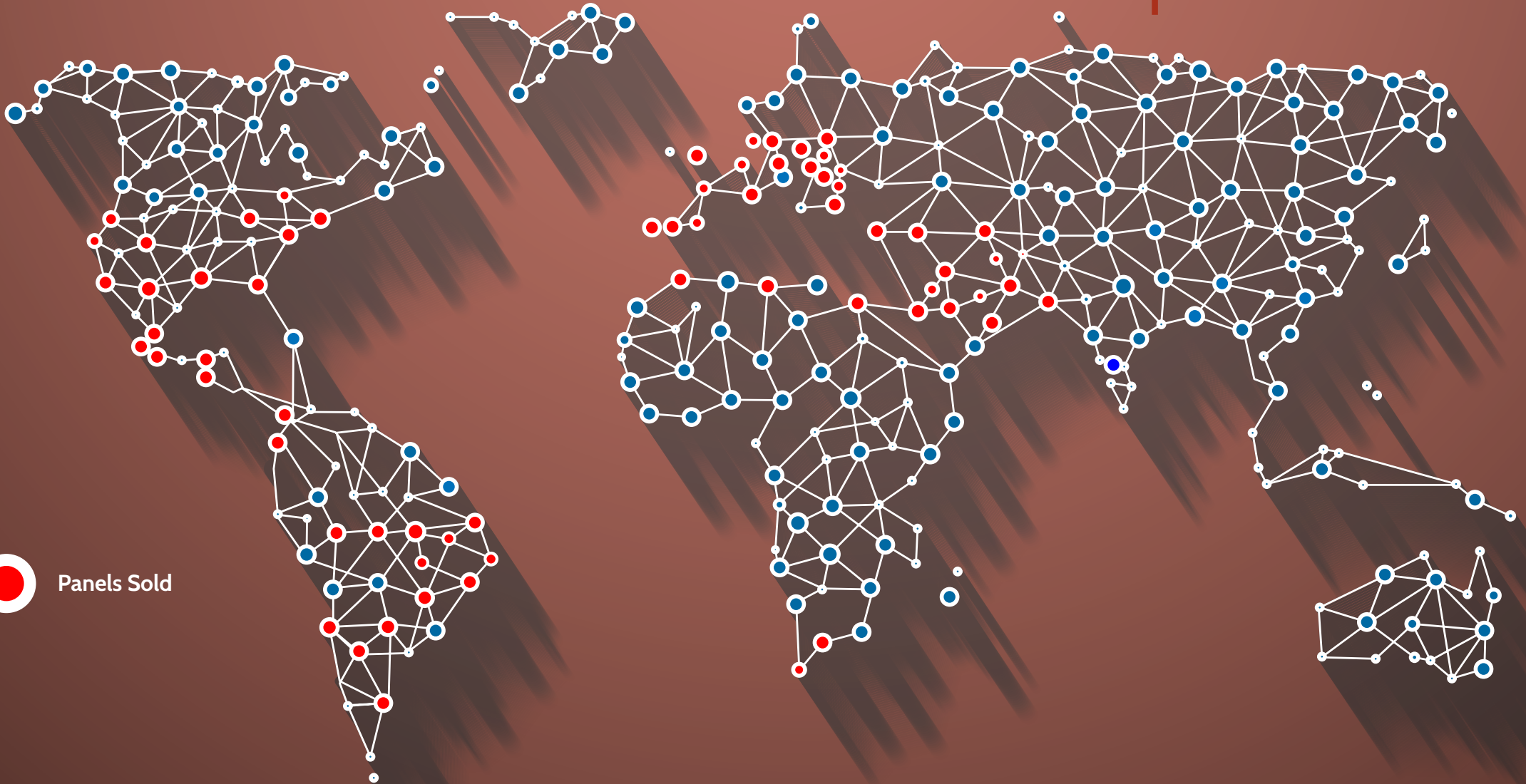


MANPOWER STRENGTH





# Worldwide spread



# Panel production features



2600m<sup>2</sup> for the assembly factory and warehouse

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German Schimdt technology production machines

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50Mws Annual Capacity



We put fixed term 3% of our benefit to cover the warranty of our panels



Exhaustive quality control

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Low defect panels rate lower than 0.015%

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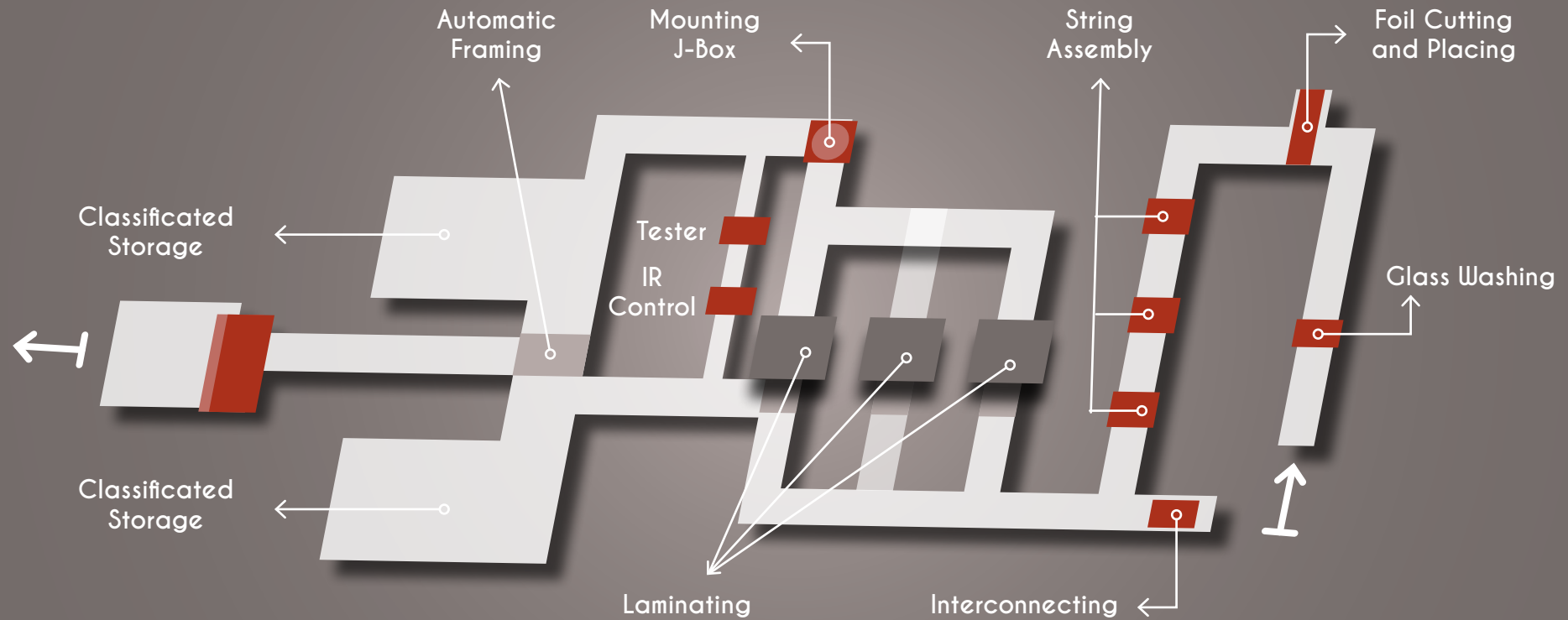
High Quality raw materials, durability and strenght with high performance and efficiency

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Warehouses in Europe and Central America for quick delivery and after sales

# Factory diagram

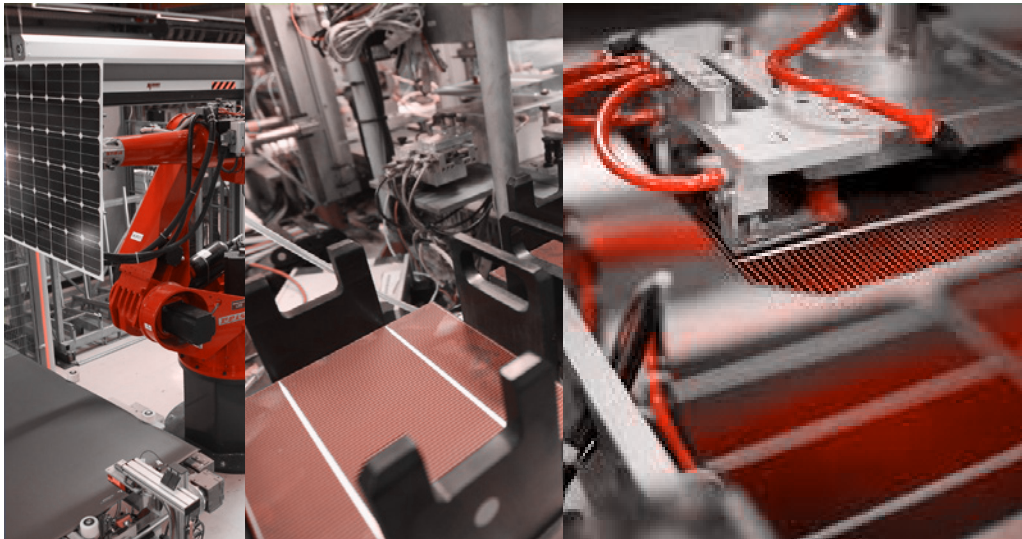


# Vertical integration

## How Vertical Integration Benefits You

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In today's increasingly competitive marketplace, cost and efficiency matter. Vertical integration allows us to control both variables as we pass on the added benefits to you and other Visel Group customers around the globe.



Vertical integration means:

- Minimal dependence on third-party suppliers, guaranteeing greater reliability and consistency in our products
- Superior quality control allowing for better energy output and project planning
- More cost synergies as you explore ways to reduce expenses and protect margins
- Great technological innovation and faster time to market
- More streamlined manufacturing processes with fewer disruptions
- Leaner production for lowering costs, reducing stockpiles, and stabilizing prices

*Vertical integration sets our value chain apart in an industry plagued by unreliable suppliers, inconsistent quality, and uncertain pricing*

# Advantages

## Total Quality Control

Rigid quality supervision through 16 in-line processes  
10 years 90%/25 years 80% power output warranty &  
High cell efficiency  $\geq$  18%

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## Trustworthy Customer Service

Growing service coverage and quick response system

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## Top Competitive Cost Structure

Vertically-integrated manufacturing

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## Strong Financial Platform

Bankable with several banks

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## Steady Capacity Growth

Continuous optimization of value chain and yield improvement

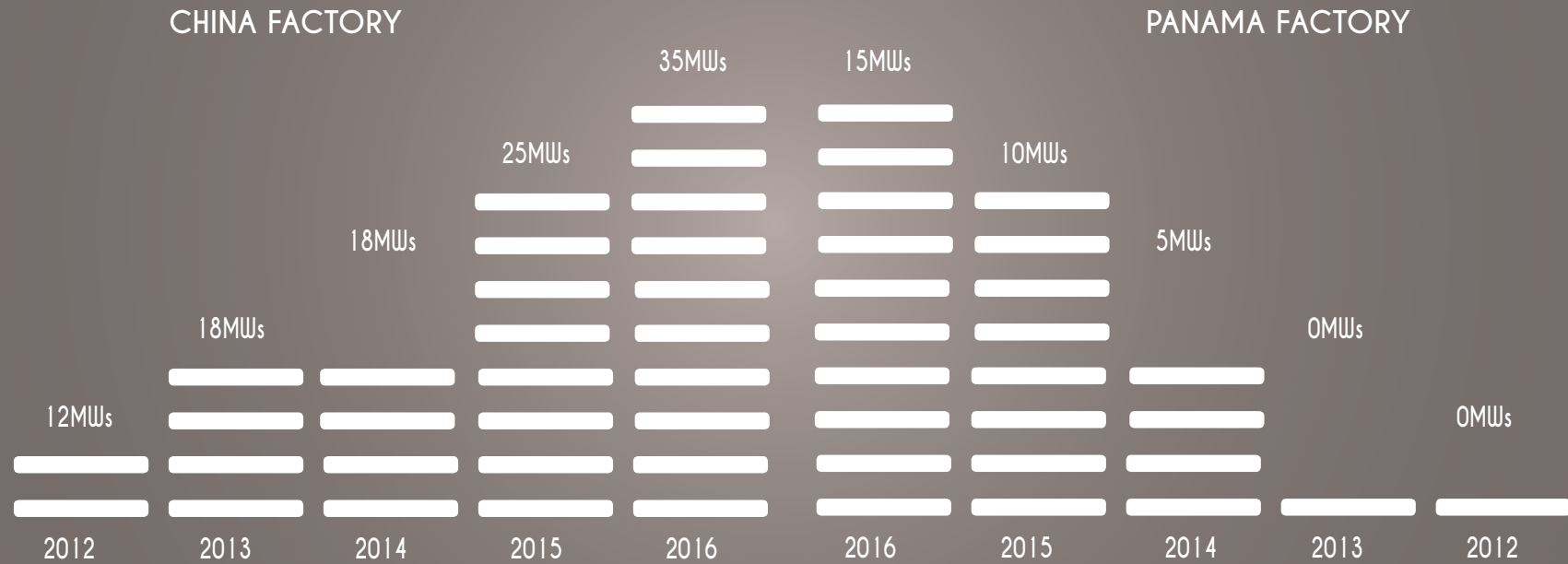
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## Stable Product Delivery

Global distribution network and local warehouses:  
Rotterdam, Valencia  
Reliability in contract execution

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# Production capability



TOTAL MANUFACTURE  
BETWEEN THE TWO FACTORIES  
50 MWs

# Quality control

Because quality remains an essential ingredient of our business model, we integrated controls throughout all steps of our vertically integrated manufacturing process. Through collaborative relationships with our partners, every product undergoes comprehensive inspection and rigorous testing.



## **EMS: Electronic Management System**

7 in-line quality control points in module workshop.

Precise data-recording and supervision of all manufacturing QC points.

## **Product Traceability Control**

Traceable barcodes to track all components from ingot to completion.

All data stored for 10+ years.

## **Achilles Qualification System**

Strict compliance with health, safety, and quality standards.

Procurement risk reduction.



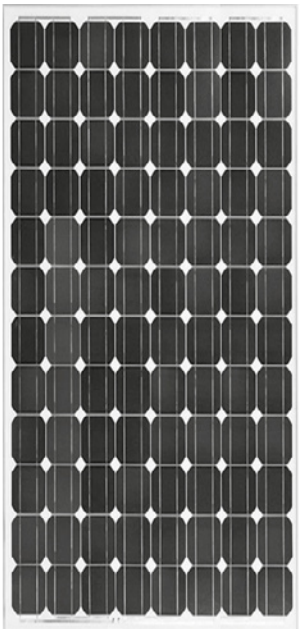
## Packaging and identification





# PRODUCTS

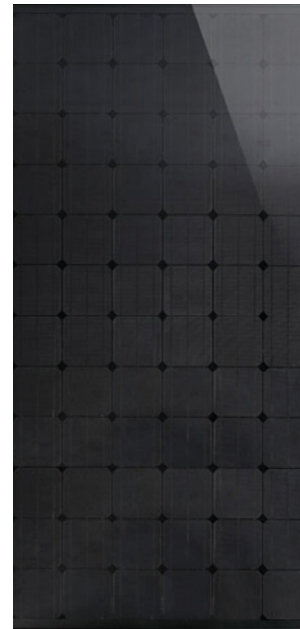
BIG SOLAR MODULE RANGE PRODUCING POWERS FROM 80W TO 340W IN MONO AND POLY, ALSO WE PRODUCE SPECIAL SOLAR PANELS LIKE 1500V AND DOUBLE GLASS.



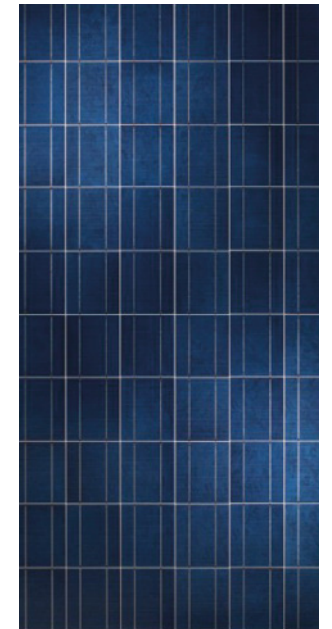
Monocrystalline panels



Polycrystalline panels



All black panels



Double Glass panels

# OTHERS PRODUCTS

WE ALSO INCLUDE OUR SOLAR MODULES IN OTHER KIND OF SYSTEMS DESSIGNED BY US.



Solar Pumping Systems



Solar Street Lights



Solar Pv Roof Tiles



Solar Off-Grid Systems

# Features and guarantee



Modules designed for residential and utility applications, rooftop or ground mount.



The latest module manufacturing technology, high power output and highest conversion efficiency.



Anti-reflective and anti soiling surface reduces power loss from dirt and dust.



Original photovoltaic Connector MC4 which reliability.



The module can withstand snow loads up to 5400Pa and wind loads up to 2400Pa.



High performance in low light conditions  
Cloudy days, sunrises and sunsets.



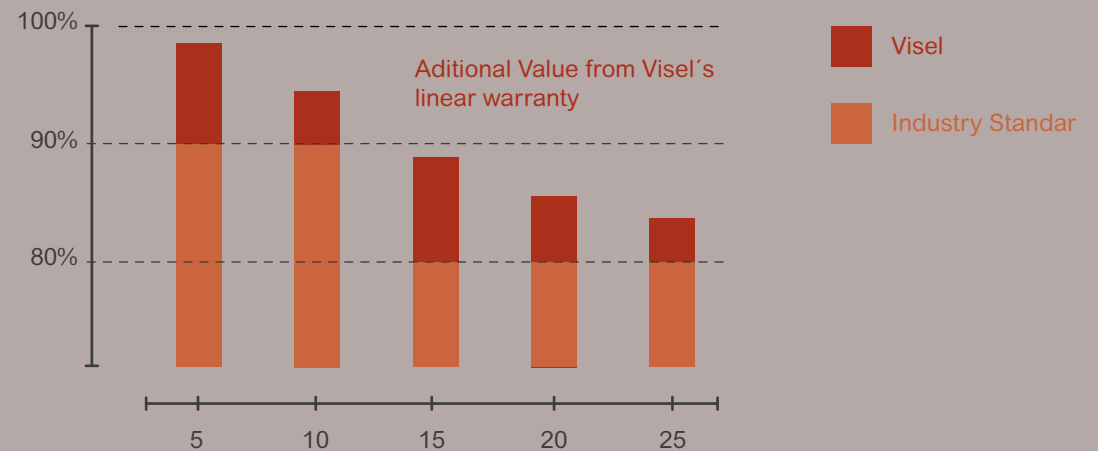
IP67 junction box for long-term weather endurance.



Positive power tolerance up to 3W.

## Linear Performance Warranty

10 year product warranty | 25 year line power warranty



\* Warning : read the manual for installation and use before handling or installing VISEL modules.

\* The values, characteristics and parameters listed in this document are subject to change without notice.

# Reference projects

Country	KWs	Year
Germany	196,80	2012
Italy	1000,80	2012
Italy	259,20	2012
Austria	160	2012
Spain	66,78	2012
Cyprus	100,00	2012
Germany	183,75	2012
Portugal	363,78	2012
Greece	245,52	2012
Netherland	321,00	2012
Morocco	193,64	2012
UK	735,00	2013
Mexico	94,60	2013
Germany	1680,00	2013
Italy	912,00	2013
Belgium	135,24	2013
Tunisia	216,00	2013
UK	1029,00	2013
Romania	115,20	2013
Spain	490,00	2013
Bulgaria	219,60	2013
Turkey	1000,00	2013

Country	KWs	Year
Italy	1200,00	2013
UK	448,50	2013
Germany	2750,00	2013
Morocco	672,00	2013
Hungary	136,61	2013
Cyprus	294,00	2013
Chile	4000,00	2014
Spain	2250,00	2014
Spain	1875,00	2014
Panama	1260,00	2014
Czech Republic	160,65	2014
Netherland	211,00	2014
Tunisia	364,00	2014
Germany	4800,00	2014
Romania	144,00	2014
Germany	2193,75	2014
Austria	105,50	2014
Algeria	644,00	2014
France	2000,00	2014
UAE	121,44	2014
Greece	147,00	2014
France	1134,00	2014

# Reference projects

Country	KWs	Year
Italy	6000,00	2014
Portugal	2500,00	2014
Turkey	500,00	2014
Morocco	139,65	2014
Poland	450,00	2014
Austria	229,50	2014
Colombia	170,94	2015
Czech Republic	311,58	2015
France	242,25	2015
Spain	450,00	2015
Hungary	62,50	2015
Romania	241,25	2015
Tunisia	847,00	2015
Belgium	190,00	2015
UK	1428,00	2015
Panama	391,25	2015
Turkey	97,25	2015
Germany	112,50	2015
Croatia	127,50	2015
Germany	1561,00	2015
Chile	5400,00	2015
Spain	203,00	2015

Country	KWs	Year
Italy	94,64	2015
France	400,86	2015
Morocco	1265,00	2015
Argentina	1984,00	2015
Austria	484,50	2015
Belgium	102,40	2015
Spain	100,00	2015
Poland	225,00	2015
UAE	228,00	2016
Germany	153,40	2016
Netherland	548,00	2016
Colombia	340,40	2016
Chile	1980,00	2016
UK	157,50	2016
France	3000,00	2016
Italy	426,40	2016
Chile	273,60	2016
Romania	255,00	2016
Portugal	122,40	2016
Cyprus	213,00	2016
Spain	280,80	2016
Germany	1798,00	2016

# Reference projects

Country	KWs	Year
Hungary	1 12,70	2016
Croatia	173,68	2016
Algeria	7 16,55	2016
Panama	202,28	2016
Netherland	1039,50	2016
Poland	623,10	2016
Turkey	1600,00	2016
Germany	86,70	2016
Italy	604,76	2016
Germany	5000,00	2016
Spain	55 1,20	2016
Argentina	130,00	2016
Austria	89,60	2016
Tunisia	276,76	2016
Poland	1300,00	2016
Bulgaria	423,80	2016
Morocco	101,50	2016



# Projects



Other projects



# Projects



Other projects





# Projects



# Quality certifications



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European Certificate

Monocrystalline panels  
Polycrystalline panels



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Certificate TÜV

Monocrystalline panels  
Polycrystalline panels



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Certificate IEC

Monocrystalline panels  
Polycrystalline panels



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ISO 9001  
Certificate



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PV Cycle  
Certificate



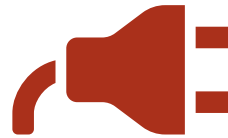
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Microgeneration  
certification system

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