

ΣΥΝΔΕΣΜΟΣ ΕΤΑΙΡΙΩΝ ΦΩΤΟΒΟΛΤΑΪΚΩΝ



## The Reboot of the Greek Market

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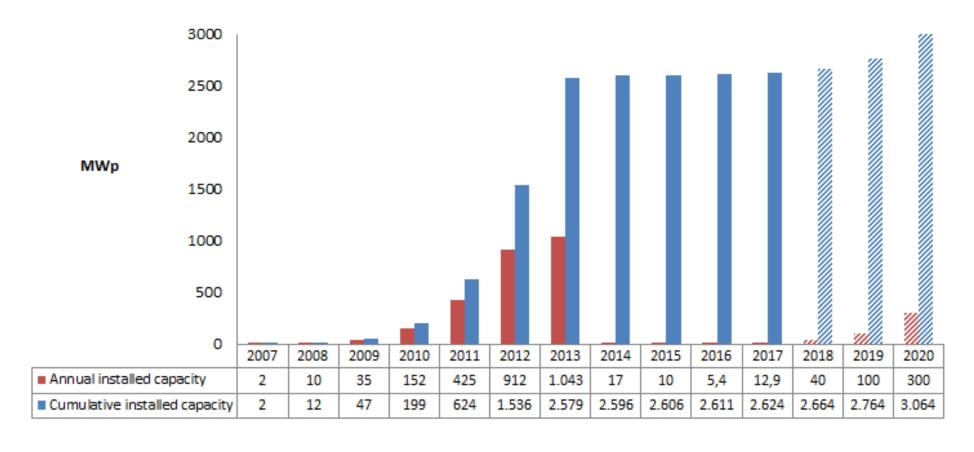


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## The PV Market Development 2007-2020

#### Greek PV market development



## **A New Restart 2016-2020**

- In 2016 a new Auctions/Sliding Feed In Premium Support Scheme for RES (incorporating EU's "Guidelines on State aid for environmental protection and energy 2014-2020")
- In 2018 an Auctions Schedule was announced:

Auctions for PV						
2018	PV	300 MW				
	Common PV/Wind	400 MW				
	PV/Wind (regional auction in Southern Evia)	Not defined yet				
2019	PV	300 MW				
	Common PV/Wind	400 MW				
2020	PV	300 MW				

# **New Scheme Implementation**

- A pilot Auction of 40 MWp took place in December 2016
- Second Auction on July 2<sup>nd</sup> 2018

#### **Results of the Auction**

#### Category I (<1 MWp)

83 projects (awarded capacity 53. 5 MWp)

Min price: 75.87 €/MWh

Category II (1 - 20MWp)

8 projects (awarded capacity 52.9 MWp)

Min price: 62.97 €/MWh

Next Auction on the 10<sup>th</sup> December 2018.

Category I (<1 MWp)

Capacity to be Auctioned 94 MWp

*Category I I (1 - 20MWp)* 

Capacity to be Auctioned 100 MWp



# Long-Term planning 2020-2040 (Under public Consultation)

	Installed Power [GW]					
<b>Electricity Generation Source</b>	2016	2020	2025	2030	2035	2040
Fossil Fuels - Lignite	4.3	3.4	3.5	2.7	1.5	1.3
Oil	2.5	1.8	1.5	1.4	1.3	1.3
Natural Gas	3.9	5.2	5.2	5.4	4.9	4.6
Bioenergy (Biomas-Biogas)	0.1	0.1	0.1	0.3	0.3	0.4
Hydro	3.4	3.4	3.7	3.9	3.9	4.0
Wind	2.4	3.4	4.2	6.4	7.0	7.3
PV	2.6	3.3	5.5	6.9	7.5	8.1
Solar Thermal	0.0	0.0	0.1	0.1	0.1	0.1
Geothermal	0.0	0.0	0.0	0.1	0.2	0.3
Total	19.2	20.6	23.8	27.7	27.4	28.0
Energy Storage Power	0.0	0.0	0.0	0.7	0.7	0.7

## **Market Analysis - Pros**

- Significant (6.9 GW) PV RES Market Size till 2030
- Significant Solar Irradiation
- Local Expertise in Place (Planning, Installation & Maintenance Services and Know-How)
- Established Legal Framework & Targets till 2020
- EU / Eurozone Country (slowly) recovering from the Financial Crisis

# Market Analysis - Cons / Challenges

- Licensing procedures delays (>2 years)
- EU Guidelines on Electricity Market Liberalization and RES (Target Model, Balancing, Aggregators, Storage, etc.) have not (fully) been adopted yet
- Environmental and use of Land Legislation under revision
- Local developers and land owners need to adapt to the reality of decreasing PV subsidization (Auctions)
- Financing conditions improved but still far from European standards



## **Conclusions**

- Significant PV RES Power to be installed according to the Long Term Planning of the Greek Energy Market
- Mature Market (Know-How existent)
- Challenging Licensing Procedures
- Regulatory Framework to be fully Aligned according to EU Guidelines in the next Years
- Improving Financing Conditions