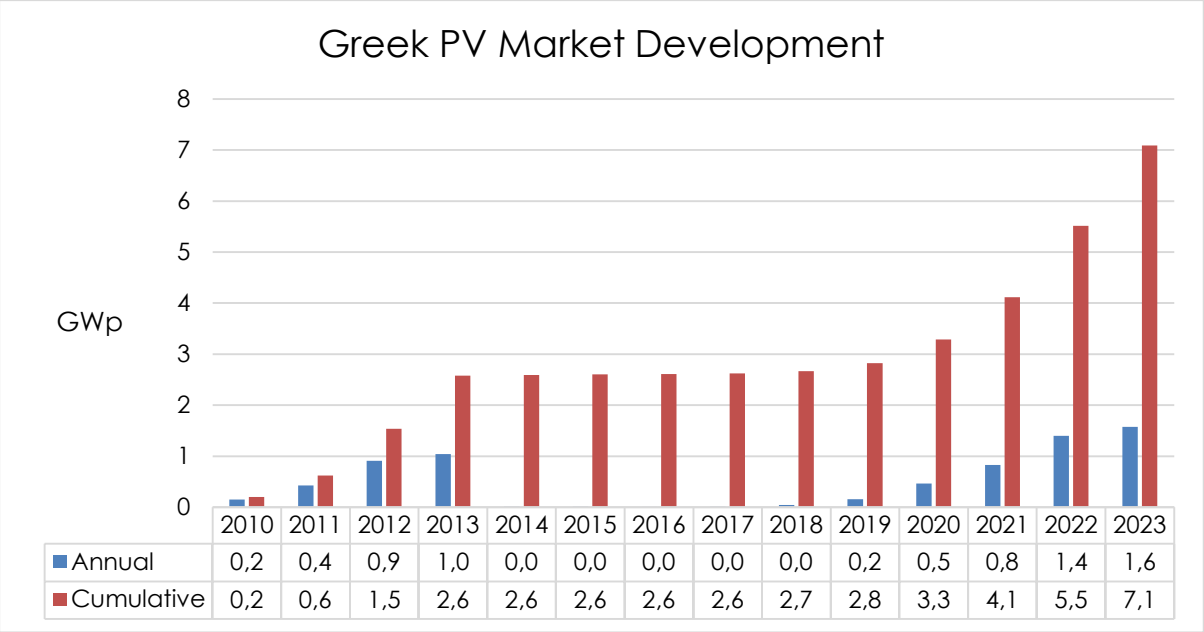
HELLENIC ASSOCIATION OF PHOTOVOLTAIC COMPANIES

Greek PV Market statistics for 2023

Updated: Feb. 19th, 2024

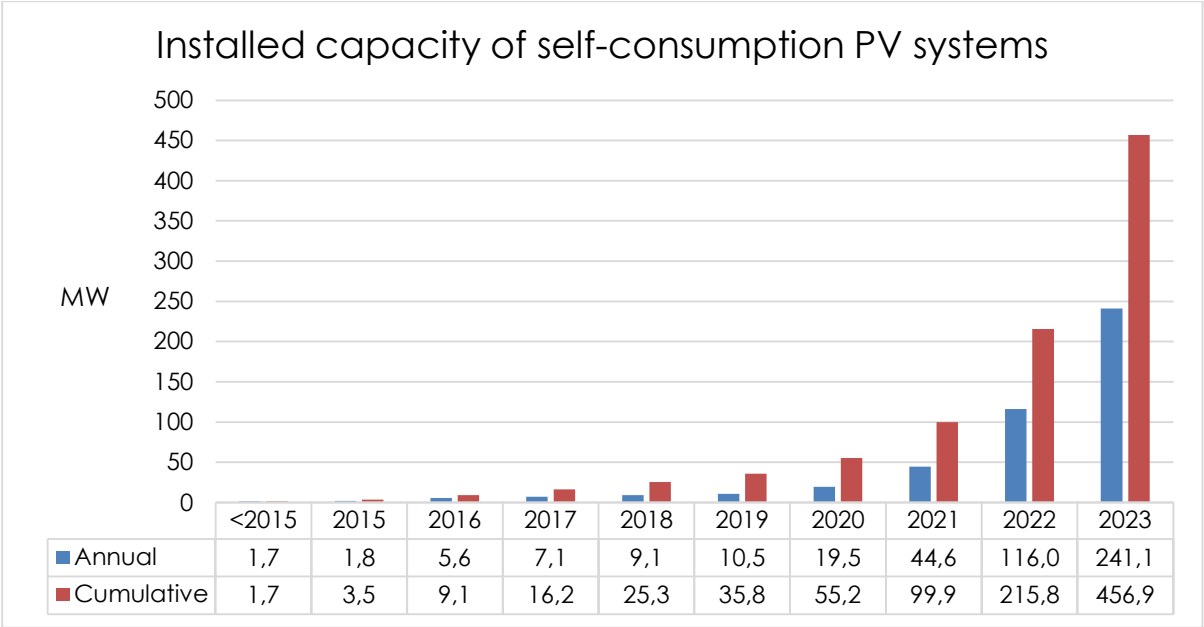
In 2023, the Greek PV market installed more megawatts (MWp) than any other technology, as a result of the huge investment interest that continues unabated. Specifically, PV made up 74% of all new installed capacity from renewables for this year.

Connected PV systems	MWp
New capacity connected in 2023	**1,574.7**
Cumulative capacity (end 2023)	**7,087.5**

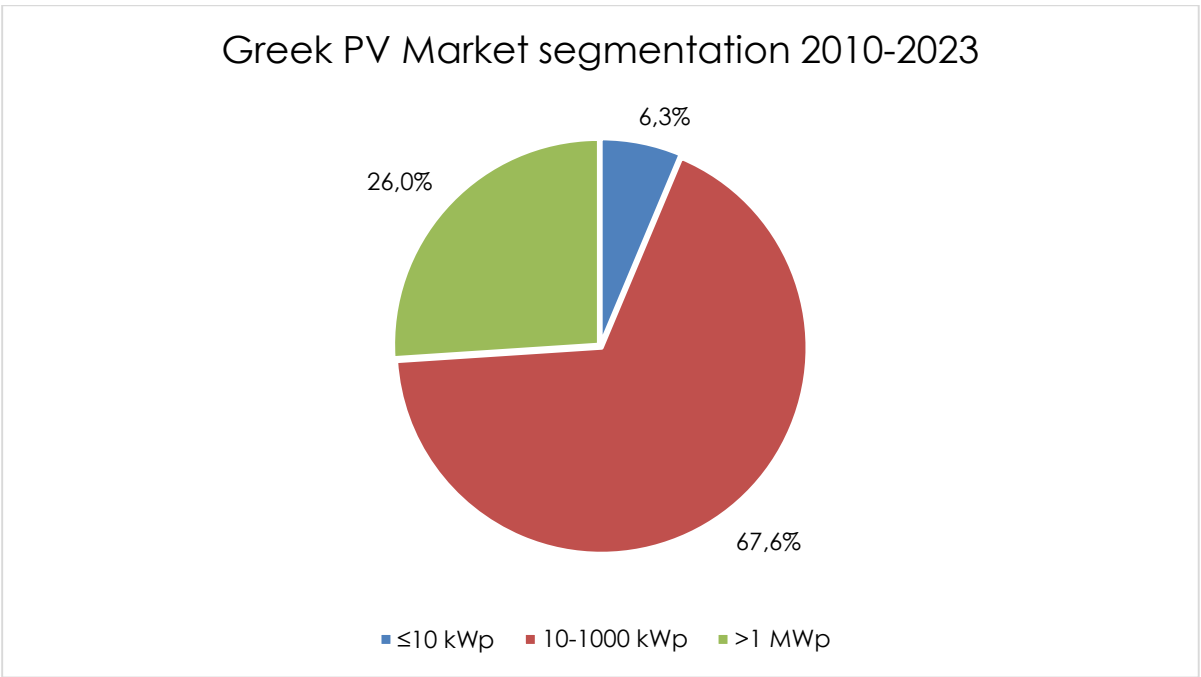


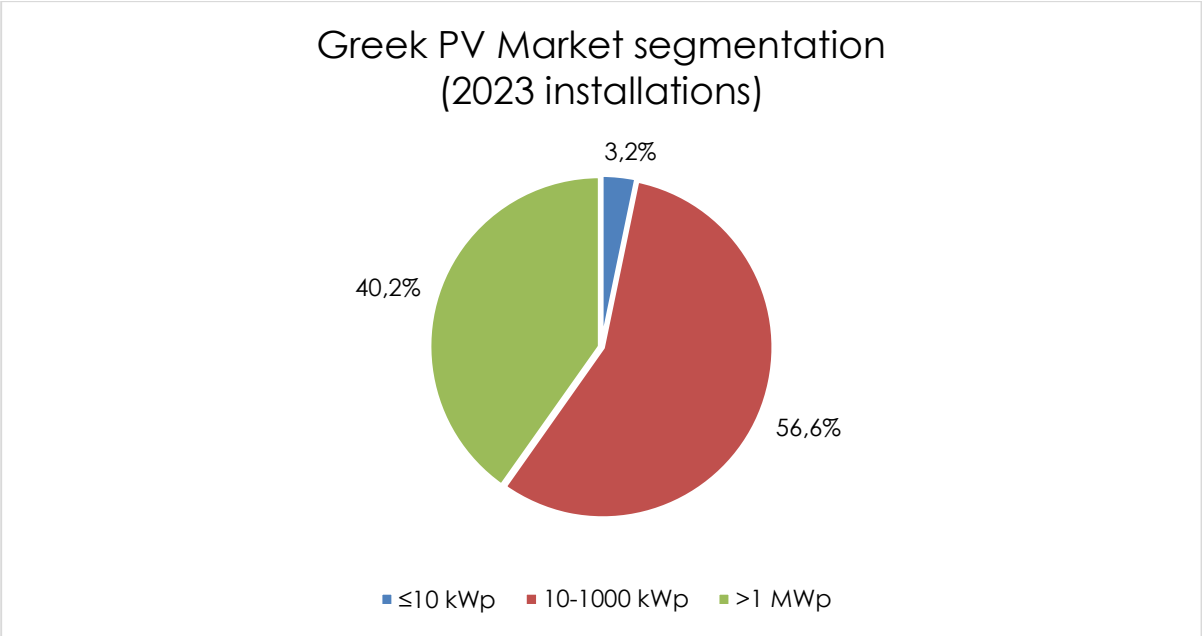
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Annual	0,2	0,4	0,9	1,0	0,0	0,0	0,0	0,0	0,0	0,2	0,5	0,8	1,4	1,6
Cumulative	0,2	0,6	1,5	2,6	2,6	2,6	2,6	2,6	2,7	2,8	3,3	4,1	5,5	7,1

In 2023, the market for self-consumption systems more than doubled compared to the previous year.

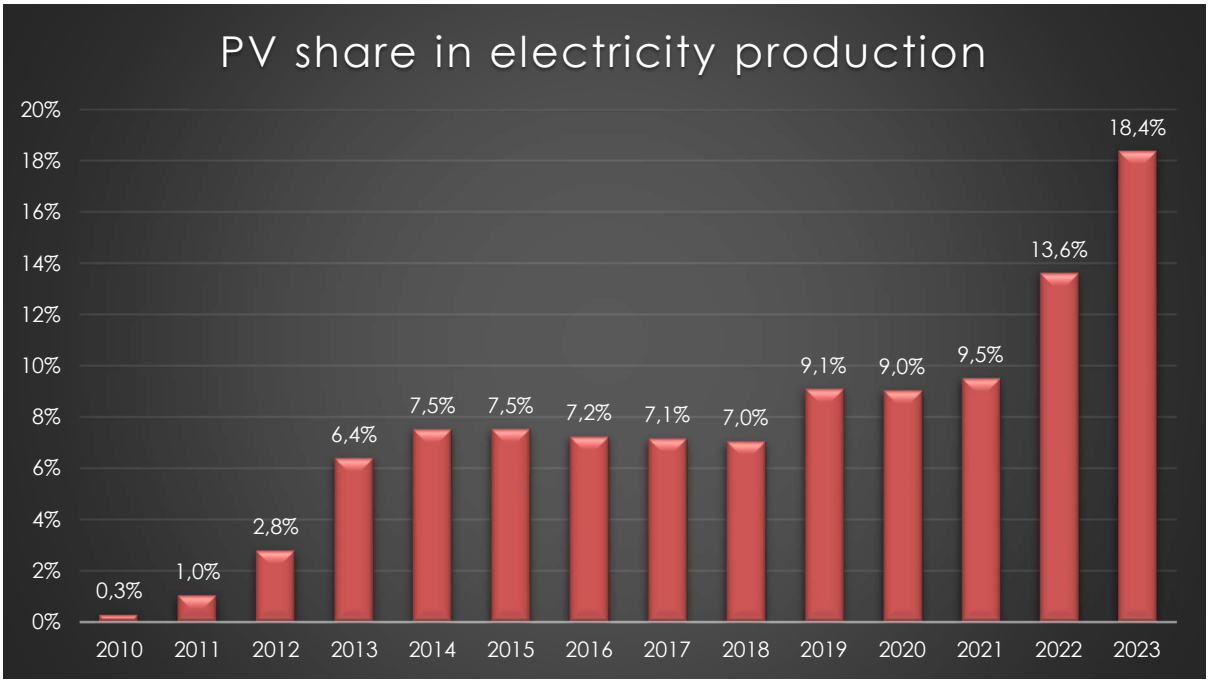


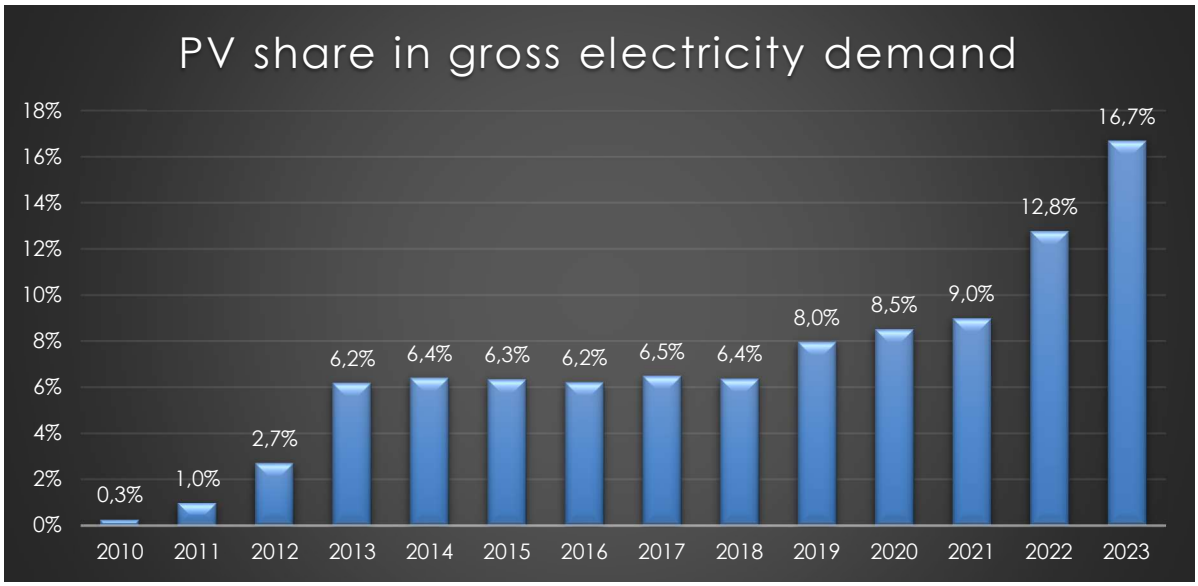
	<2015	2015	2016	2017	2018	2019	2020	2021	2022	2023
Annual	1,7	1,8	5,6	7,1	9,1	10,5	19,5	44,6	116,0	241,1
Cumulative	1,7	3,5	9,1	16,2	25,3	35,8	55,2	99,9	215,8	456,9





In 2023, Greece ranked first in Europe in terms of the percentage of domestic electricity produced by photovoltaics, with a percentage more than double the EU average (8.6%) and more than three times the global average (5.4%).

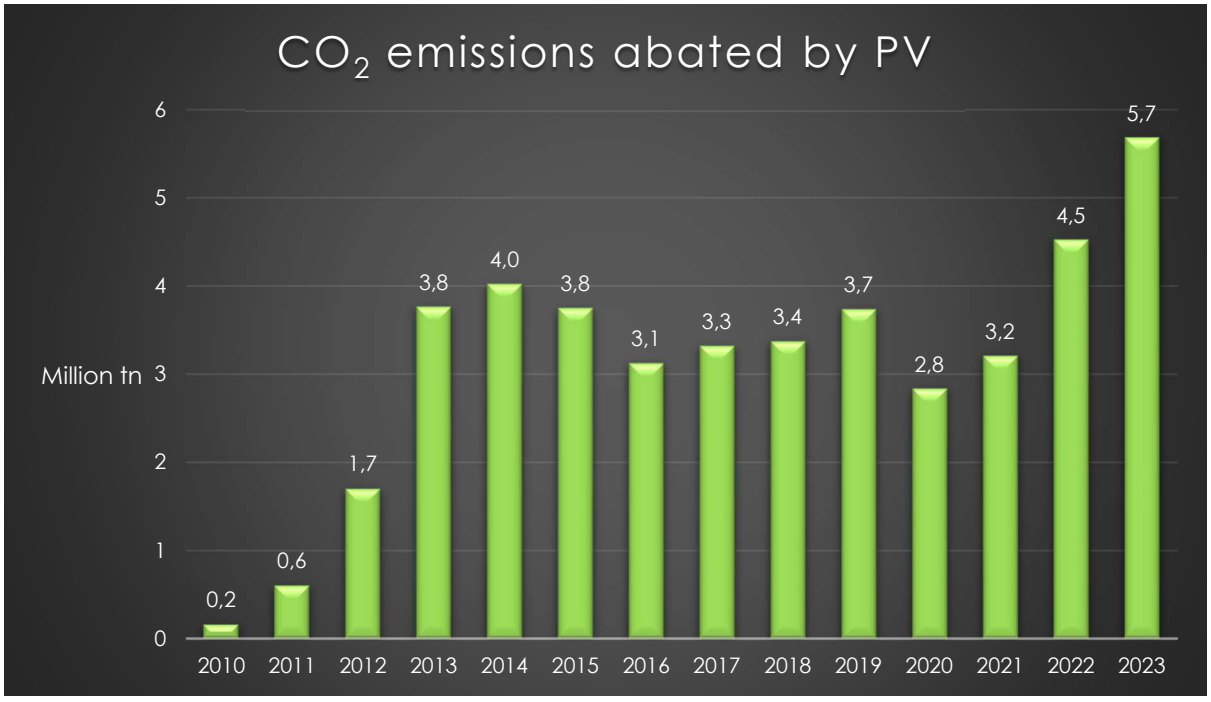




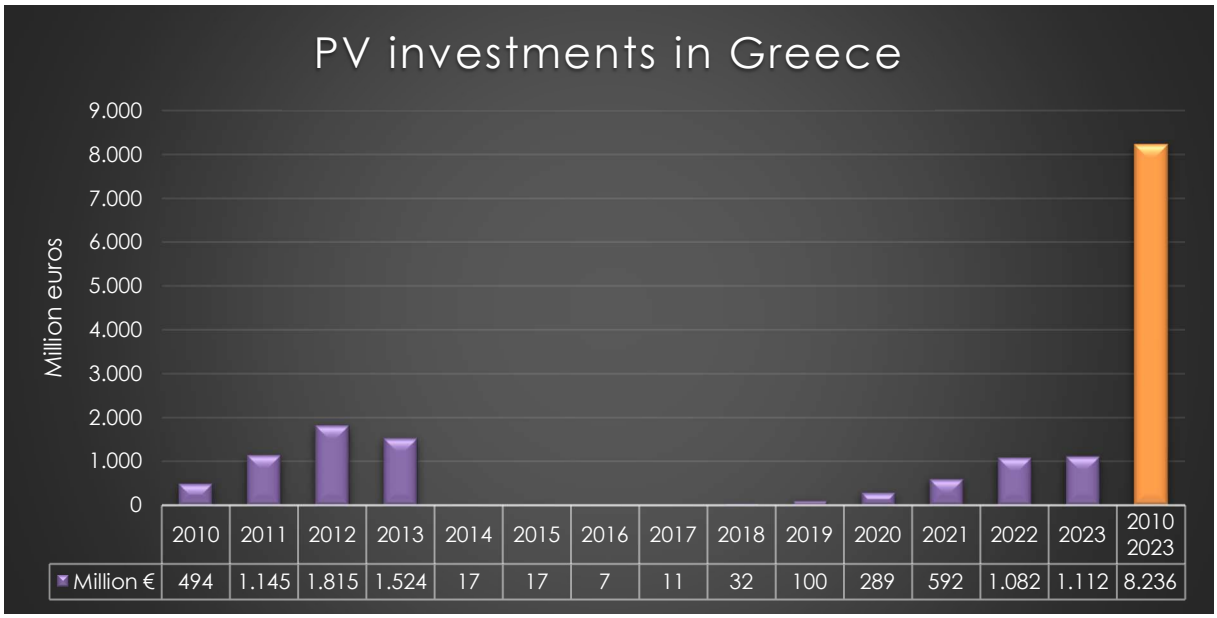
PV is by far the most popular power generation technology, with over 72,500 systems of all sizes installed across the country by the end of 2023, a number that is growing rapidly.

It is also the cheapest power generation technology with the cost of photovoltaic modules having fallen by 90% since 2009.

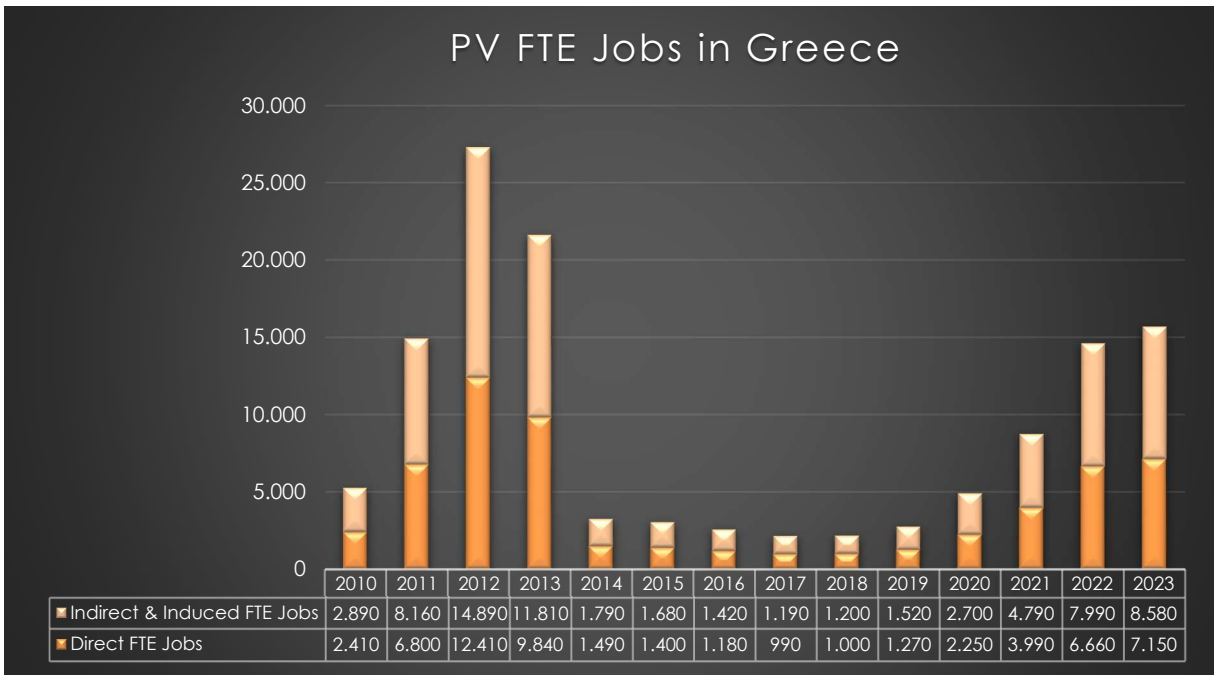
Thanks to PV, in 2023 the release of 5.7 million tons of carbon dioxide (CO_2) was avoided. This is the amount of CO_2 emitted by 4.6 million new cars with internal combustion engines each driving an average of 10,000 kilometers per year. The environmental benefit is equivalent to planting 147.6 million conifers or 90.1 million deciduous trees and letting them grow for a decade.



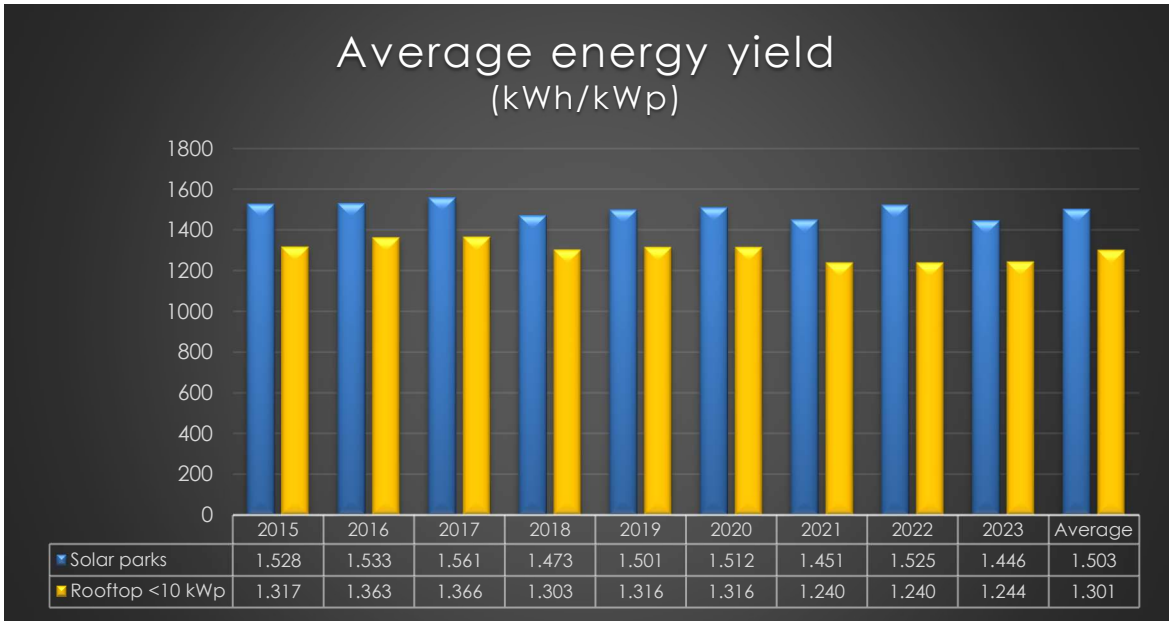
In 2023 alone, 1.11 billion euros were invested in new photovoltaic projects in the country.



This growth was accompanied by 15,730 full-time equivalent (FTE) jobs in 2023.



PV energy yield



	2015	2016	2017	2018	2019	2020	2021	2022	2023	Average
Solar parks	1.528	1.533	1.561	1.473	1.501	1.512	1.451	1.525	1.446	1.503
Rooftop <10 kWp	1.317	1.363	1.366	1.303	1.316	1.316	1.240	1.240	1.244	1.301