



RES STRATEGIES OF GREECE

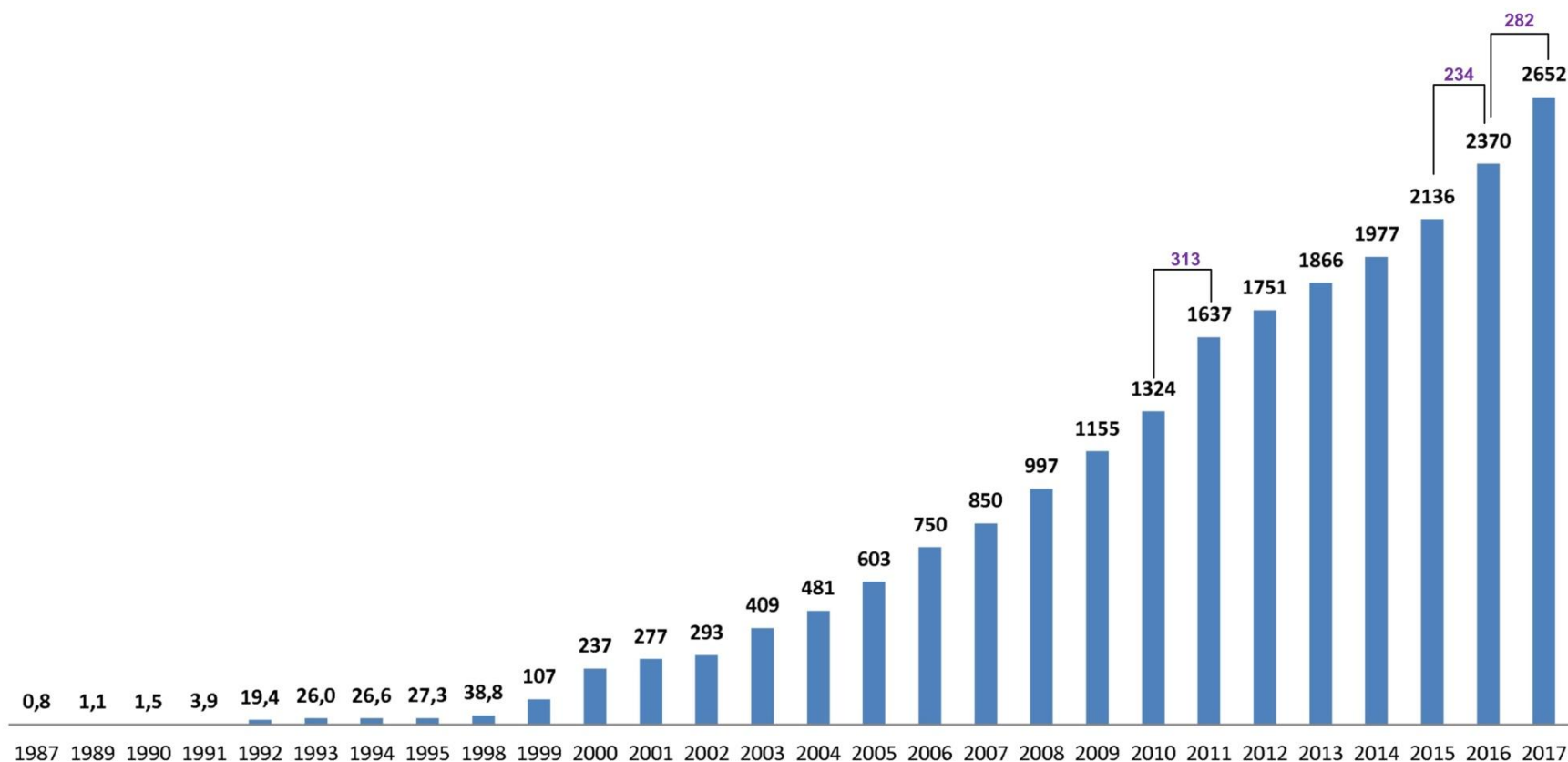
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Total Installed MW of Wind Parks per year in Greece



* Data derived by the Hellenic Wind Energy Association

Ambitious National RES Targets

- The 2020 wind energy national targets will not be achieved, resulting in a RES capacity deficit of about 4500 MW. Taking this into account, the National RES Target for 2030 must be clearly higher due to the 32% target decided by the European Union
- National Energy Planning should also serve the goal of a low-carbon economy by 2030 and be compatible with a decarbonisation pathway of the economy by the middle of the century, in order to face climate change consequences and protect the environment
- Preservation of the Priority Dispatch policy concerning the absorption of wind energy for all projects
- Fair treatment of RES projects in their incorporation to Target Model



Energy and Spatial Planning

- Improvement interventions in the process of spatial planning review, with active involvement of the RES sector
- Avoiding of a complete revision of the RES Special Spatial Planning. No significant decision-making at the level of local and regional spatial plannings
- The new Special Spatial Planning should not introduce unreasonable restrictions against RES that are not needed for biodiversity protection
- Environmental Impact Assessments and management protection plans of Natura areas must be compatible with energy planning, without setting horizontal and non-scientific restrictions against RES (Crete case)



Large Investments for the exploitation of the Aegean Sea's high wind potential (Cyclades – Crete)

- Development of new interconnection networks between the islands
- These interconnections can be combined with clusters of wind farms in the islands, which of course must be handled in equal terms and conditions under the new framework of competitive bidding processes
- Benefits of reduction regarding the annual charge to electricity consumers (SPI) of about 650-800 million euros, due to new interconnections



RES Competitive Bidding Process 2018-2020

(in accordance with L.4414/2016 and the State Aid Guidelines of the European Commission)

- Wind farms with independent interconnection and offshore wind parks. The relevant decisions so far adopted do not cover this specific category. Inclusion in projects with a common point of absorption of the interconnection in the Greek Grid, does not give any chance of success to those mature projects with acquired rights, where it is obvious that the CAPEX due to submarine interconnection is significantly higher, in comparison to wind parks in mainland system and especially PVs.
- Increase of the available capacity for the bidding processes for the projects above
- Increase of the finalization time of the projects (more than 48 months) while the deadline for the completion of the projects should not be the electrification date, rather than the date of the investor's application for electrification to the competent Administrator (ADMIE - IPTO)
- Low bid starting price (in comparison to the first auction of 2nd July) has a great risk of no successful results

Licensing of RES Projects

- Establishment of a One Stop Shop Agency with adequate personnel from all relevant departments (environmental, forestry, urban planning, archaeological etc) which will have central structure and will get full authorization issuing the final investment permit.
- Radical simplification and more efficient licensing processes, with emphasis on Forestry Authorities
- Competent authorities should express their opinion on matters within the framework of their own responsibilities, while a “no answer” (after a period of certain time) to be considered as a positive one
- Ensuring the compliance of the procedures of the various authorities with the RES Special Planning, with emphasis on archaeological opinions. Removal of the subjectivity of the relevant judgments by the introduction of objective - quantitative criteria.
- Removal of various fees and charges that no longer serve, for example Production License Maintenance Fee.



Copelouzos - Elica Group Overview (1)

- Elica Group (“EG” or “The Group”) has developed integrated renewable energy activities in Greece and the Balkans since 1998
- The Group is one of the leading renewable energy groups in Greece having already fully designed, developed, constructed and set in operation around 200 MW of Wind Parks, 10 MW of Hydroelectric plants and 20 MW of PV plants, while 110 MW of WPs are under construction phase.
- Furthermore the Group has a projects’ pipeline of over 2,000 MW of wind parks in Greece, with emphasis in Aegean Sea . Among them, it is worth mentioning, on one hand the implementation of 1,000 MW of wind parks in Crete island, considering it as the largest green island globally, through its interconnection with the national grid and on the other hand the offshore wind parks project of Alexandroupoli – Thrace in Northern Greece (the first realistic project of its kind due to low sea depth)
- The Group in 2005 introduced for the first time the concept of installing “chain” wind parks in areas with high wind potential but very limited transfer capabilities by developing on each project the necessary interconnection infrastructure.
- The Group has designed, developed and issued Installation Licenses of a major project consisting of eight wind parks in Kafireas area of Evia to be connected via a submarine cable to the Greek mainland with a licensed capacity of about 180 MW, which were subsequently sold to a third party and now is in a construction phase.

Copelouzos - Elica Group Overview (2)

- Abroad, our GROUP has shown activity in Bulgaria, where wind parks of total capacity 350 MW are in progress.
- Moreover, our GROUP and the Egyptian public electricity company (EEHC), supported by the Egyptian Ministry of Electricity and Renewable Energy, have signed an MOU aiming to mutual efforts for the development of 3.000 MW of wind farms in the area of Suez and transmission of the electric energy to Europe through Greece, through underwater interconnection.
- In addition our GROUP has entered into important strategic partnerships with ENEL GREEN POWER (EGP) and NEK for the development of wind parks in Greece and Bulgaria respectively. Recently EG has developed significant cooperation with the CHINA ENERGY Group in the area of wind energy and has also signed an MOU with the Russian ROSGEOLOGIA for the development of geothermal projects .





Thank you
for your
attention.