



ADVERTORIAL | ENVIRONMENT WEEK

Igoumenitsa Port Authority Invests in a Greener Future

With modern energy solutions and sustainable infrastructure

At a time when sustainability has become a key priority for transport infrastructure, the Port of Igoumenitsa is emerging as a pioneer of the green transition. Through a comprehensive strategic development plan, the **Igoumenitsa Port Authority** (I.P.A. S.A.) is investing in innovative solutions that reduce its environmental footprint and enhance energy efficiency.

The occasion of **World Environment Day 2026** further underscores the importance of this transition. Modern ports are expected to serve not only as hubs for trade and transportation but also as **active partners in addressing the climate crisis**. Within this context, the Igoumenitsa Port Authority (I.P.A. S.A.) reaffirms its commitment to positioning the Port of Igoumenitsa as a gateway that evolves in line with the principles of sustainability and environmental responsibility.

A cornerstone of this strategy is the **1.5 MW photovoltaic park** installed on the port's canopy structures, which is already fully operational. This investment enables the harnessing of solar energy to meet the port's entire electricity demand, marking a significant step toward energy self-sufficiency. With an annual output exceeding 2,000,000 kWh, the Igoumenitsa Port Authority (I.P.A. S.A.) reduces carbon dioxide emissions by at least 1,000 tonnes per year while simultaneously enhancing its environmental performance and operational efficiency.

This green energy initiative is complemented by another key infrastructure project: the Igoumenitsa Port Authority is moving forward with the implementation of an **Onshore Power Supply (OPS) system**, also known as **Cold Ironing**, through the **Alfion – INFRA EU** Programme. The system **enables ships to receive electricity directly from the shore while berthed**, allowing them to shut down their onboard engines and significantly reduce emissions during port stays. Upon completion of the project, the Port of Igoumenitsa will be able to provide shore-side electricity to vessels, achieving substantial reductions in air pollutant emissions, noise levels, and the overall environmental footprint of port operations. A particularly noteworthy milestone is that, by 2027, the Igoumenitsa Port Authority will establish the Port of Igoumenitsa as the first port in Greece to offer three OPS berths with a combined capacity of 6.5 MVA for vessel electrification. At the same time, a study has already been completed for the development of four additional shore power

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connection points with a total capacity of 16 MVA, dedicated to serving cruise ships, further strengthening the port's position as **a leading hub for sustainable maritime transport.**

At the same time, the Igoumenitsa Port Authority's Master Plan places a strong emphasis on the future of maritime transport **by developing infrastructure capable of supporting the use of green fuels such as methanol.** In line with the global shift towards alternative energy sources, the port's future-ready approach ensures its preparedness to meet the requirements of next-generation, low-emission fleets while contributing to the achievement of the EU's 2030 sustainability and decarbonisation targets.

The Igoumenitsa Port Authority's commitment extends beyond large-scale energy investments. Through its ESG strategy, **it implements a broad range of sustainability initiatives**, including the complete transition to LED lighting, the replacement of conventional building boilers with heat pumps for heating and cooling, the development of electric vehicle charging infrastructure, and the gradual electrification of its own fleet. Since 2014, the Port Authority has operated certified environmental management systems and has systematically monitored its environmental footprint, ensuring transparency, accountability, and continuous improvement in its sustainability performance.

The philosophy underpinning these initiatives is clear: **the port is part of the solution to the climate challenge.** Through targeted investments and forward-looking planning, it is evolving into a sustainable hub that generates value not only for the economy, but also for the environment and the local community.

With steady progress towards the green transition, the **Port of Igoumenitsa is emerging as a benchmark green port for Greece and Europe**, demonstrating that the future of ports is inextricably linked to clean energy and sustainable development.