

**Portugal**  
MAKES SENSE

Smart Cities



## EDP develops innovative solution for heating water

[EDP Ventures](#), through British startup Mixergy, invested 1.7 million euros in developing an innovative technology that, using advanced Artificial Intelligence techniques, provides significant savings in water heating, efficiently using solar energy and optimising the management of available resources. With this technology, the water heating time is five times faster.

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## Agricultural equipment produced with solar energy

[Joper](#), an agricultural and industrial equipment company, started its decarbonisation process by installing a photovoltaic power plant. In a partnership with [Helexia](#), it implemented a photovoltaic energy production system for self-consumption that already produces about 40% of energy, which allows reducing energy costs and shows a solid commitment to sustainability.

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## Seixal invests in measures for energy sustainability

In Seixal, the [municipality](#) is investing in a municipal public lighting plan to reduce energy consumption and greenhouse gas emissions, which includes the replacement of more than 6,000 lamps and the identification of faults in lamp posts throughout the municipality. In addition, the City Council will install electric vehicle charging stations throughout the municipality, and promote, among the population, test drives in partnership with companies in the sector to demonstrate the benefits of electric mobility.

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## Pinhal Novo with a new park of 22,000 solar panels

In Pinhal Novo, the first photovoltaic park in Portugal was inaugurated as part of [Votalia's](#) Garrido Complex, composed of five solar plants. With an investment of 11 million euros, the park has an installed capacity of 11.8 MW and around 22,000 solar panels. The estimated annual production is 24.3 GW, enough to supply nearly 20 thousand people. With the energy generated by this solar park, one calculates a yearly reduction of 6,400 tons of carbon emissions.

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