

Case Study Sustainability - Planet.

MPP Medina Goes Green with New 2 MW Solar Farm

1. Background

As part of its commitment to sustainability, MPP Medina has taken a major step towards reducing its environmental impact by implementing a 2 MW solar farm. This initiative, spearheaded by MPP Iberica Regional Energy Champion Carlos Medrano, was completed in November 2024 and reflects the company's dedication to renewable energy solutions.

2. Challenge

MPP Medina sought to enhance its energy efficiency and reduce its carbon footprint while ensuring a reliable and cost-effective energy source for its operations.

3. Solution

To achieve this, the company installed a 2 MW solar farm to maximise on-site energy efficiency. To finance the project, a separate 15-year Power Purchase Agreement (PPA) was established under an OPEX model. This approach ensures both the financial viability of the solar initiative and long-term cost savings.

4. Key Highlights

- 2 MW of installed power with an annual generation of 4,214,972 kWh/year.
- Approximately 81.94% of the generated energy (3,453,801 kWh/year) will be directly consumed by MPP Medina.
- The solar farm will cover around 25% of the site's total electricity needs.
- Separate Power Purchase Agreement in place for 15 years (OPEX model).
- Reduction of approximately 698 tonnes of CO2 emissions annually.

5. Impact

This project significantly reduces MPP Medina's carbon footprint and enhances energy efficiency, aligning with our broader sustainability goals. The financial benefits and long-term energy savings further reinforce the value of renewable energy investments.

6. Conclusion

MPP Medina's solar farm initiative demonstrates a proactive approach to sustainability and innovation. By installing its own renewable energy source and financing it through a dedicated PPA, the company continues to drive positive environmental change while optimising operational costs.

