

Orange Vélodrome

Smart Power Delivery - Powered by Orange & Cisco



PoE energy for each Access Point



This wifi infrastructure is turned on 24/7. The energy consumption is extrapolated.

119M_{Wh/year}



Based on the Orange Velodrome case study, the simulation for full seasons 2023 events show that we can save almost 25% of energy consumption.

Solution

2TCO_eq

A simple device connected to the current infrastructure monitoring all PoE devices. Based on usage, we schedule the shutdown and power up of the energy distribution on PoE Devices.



Sustainability Insights Current Challenges



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draft-petra-path-energy-api