







## DISTRIBUTED RENEWABLE ENERGY FOR COMMUNICATION TOWERS

## DELIVERING COST-EFFECTIVE RENEWABLE ENERGY SOLUTIONS TO A GROWING COMMUNICATION TOWERS INDUSTRY

For the owners and tenants of remote communication towers, reliable, cost-effective, and clean energy solutions are essential to supporting critical network requirements and growing organizational goals to combat climate change. Around the world, wireless providers, government agencies, utilities, tower infrastructure owners, and third parties are approaching XZERES for wind energy solutions to reduce diesel genset usage and/or address unstable or costly grid scenarios.

In many cases, wind turbines are combined with solar PV systems, creating hybrid renewable energy solutions. Our proven wind turbine technology can integrate directly into or beside communication towers, powering critical telecom and broadcast equipment (antennas, transceivers/radios, lighting, etc.), without vibration or interference.

In most cases, typically off-grid or tied to poor-grids, XZERES turbines lower site operating expense (OPEX). In on-grid situations, XZERES turbines can also help tower owners to more easily secure land or zone new towers, thereby retaining or attracting new tenants.





**ON-GRID SITES** 

Lower tower OPEX by reducing dependence on high-cost utility power, or as a backup battery charging system in areas with unstable electric grids.

OFF-GRID SITES Minimize costly and polluting diesel consumption while complementing solar PV and other clean energy systems.



## WIND AND SOLAR ARE COMPLEMENTARY TECHNOLOGIES

XZERES possesses the capability to quickly qualify remote sites for renewable energy integration, and design the most appropriate configuration of wind, PV, storage, grid, and/or back-up generation. Analysis and system design are driven by specific customer site information, in conjunction with renewable resource data and best-in-class modeling. The result is a proposed energy solution and ROI estimate with which to base a go-forward decision.





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