

PowerShift® off-grid

A shift in the conventional approach to power delivery and a step towards more sustainable networks

THE FACTS

IMAGINE...

1 AC power is not always readily available, and it can be very **expensive** and **time-consuming** to implement

2 Traditional diesel generator alternatives do **not meet environmental targets** and have high **refueling costs**



Powering even most remote sites while **minimizing costs** and **delays** and **carbon footprint**



THE SOLUTION



Reliable and renewable power



Streamlined design and deployment



Improved bottom line

- AC and DC output options
- Combined use of solar panels and wind turbines
- Battery-based energy storage for maximum autonomy
- The HVO generator used as backup only
- Generator only used as backup

PowerShift off-grid solution is designed by Outdoor Wireless Networks (OWN), one of four business segments operated by CommScope. Our mission is to **simplify and innovate smarter solutions** that empower the mobile ecosystem to build more sustainable networks today and create a better tomorrow.

THEORETICAL CASE STUDY

Applying the data to a typical off-grid scenario for a site consuming 6125 W

+50%

of site power can be generated by renewable sources based on

24 solar panels

2 wind turbines of 3 kW

Preventing the release in the atmosphere of more than

48 metric tons of CO₂eq

yearly per site compared to using conventional diesel generator only

