

PowerShift[®] off-grid

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

THE FACTS

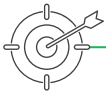
IMAGINE...

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



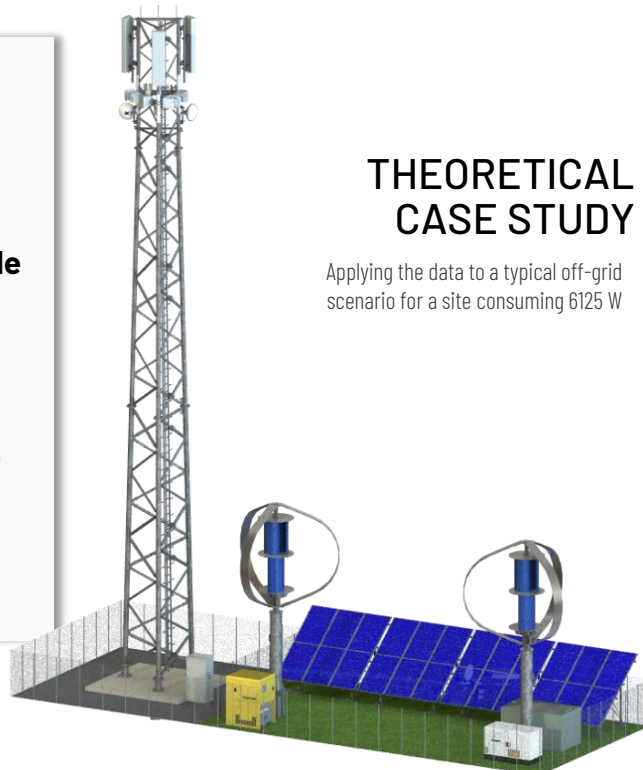
Streamlined design and deployment



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 ANDREW that provides **simple, efficient, enduring and sustainable** solutions to mobile network operators and enterprises, advancing seamless connectivity everywhere with over 85 years of wireless innovation.



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