

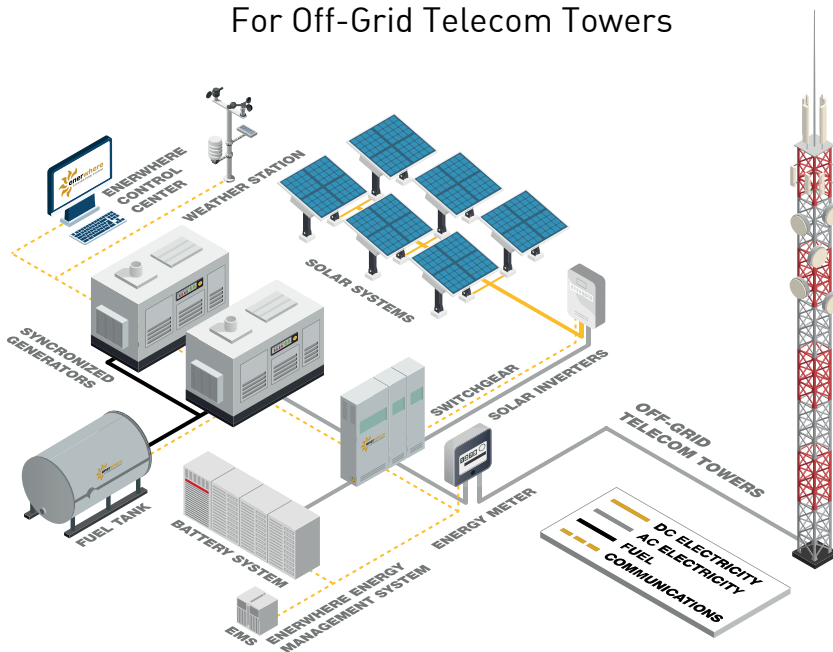
# Solar-Battery Powered Telecom Towers

Telecom towers that are remote and not connected to the grid have historically relied on diesel generators for power and traditional lead acid batteries for backup. With diesel generators in remote locations, the logistics of getting diesel to site is a major operational hurdle and cost. Further, lead acid batteries also need regular maintenance and don't last very long under harsh conditions. Recently, with improvements in solar technology, there are more and more attempts to bring renewables into this generation mix.



Telecom tower with solar and battery

## Enerwhere's Solar-Hybrid System For Off-Grid Telecom Towers



Enerwhere, with its hybridization capabilities brings a unique approach to this problem and has designed and delivered advanced hybrid solutions that include solar power, Lithium based maintenance free batteries and remote monitoring and control capabilities. The solution promises a longer operating lifetime while also cutting down on diesel consumption and operational costs. Remote monitoring and control capabilities allow for continuous system monitoring, alarms and data analytics reporting on key metrics like energy use, efficiency and system performance.

## Advantages

- 3 day autonomy
- Remote monitoring
- Advanced energy management
- Data analytics
- Lithium based battery technology
- Diesel efficiency improvement
- Longer lifetime
- Lightweight



Energy storage unit in the tower.

**ENERWHERE**  
SUSTAINABLE ENERGY

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