



CASE STUDY

Solar Obstruction Lighting for Communication Tower

Lima, Peru



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Project Overview



Application

Solar Powered Obstruction Lighting for Telecom Towers



Product

AV-OL-70-R Self-contained solar LED obstruction light



Location

Lima, Peru



Date

February 2017



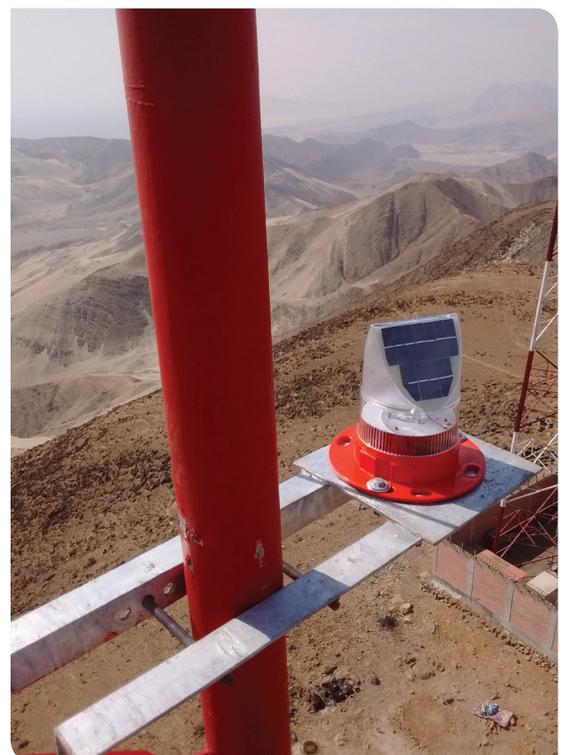
“BTS is extremely pleased with Avlite’s AV-70 Obstruction Lights on the new towers. The lights were quickly and easily installed, allowing BTS to satisfy their customers’ urgent needs. The AV-70 was the perfect lighting choice for the BTS communication towers.” - Avlite Distributor Brian Hanne, Grupo Caxtor

Background

The metropolitan area of Peru’s capital, Lima, has seen significant growth in recent decades. The population growth and demand for wireless services has put a strain on existing wireless networks. Providers of mobile networks, communications, and other wireless entities were eager to expand service offerings, which created the need for construction of new telecommunications towers in the surrounding areas.

The Challenge

The city of Lima’s mountainous region has peaks in excess of 5,000 feet, which is where the new telecommunications towers were to be situated. The rural location boasted little in the way of road infrastructure for ongoing maintenance and inspection. The supply of tower materials and labor to the mountain tower sites was challenging and with material theft and vandalism an additional concern, it resulted in the need for fast installation of reliable equipment. Obstruction lighting was required for all of the planned towers to ensure the safety of air traffic into the Lima airport.



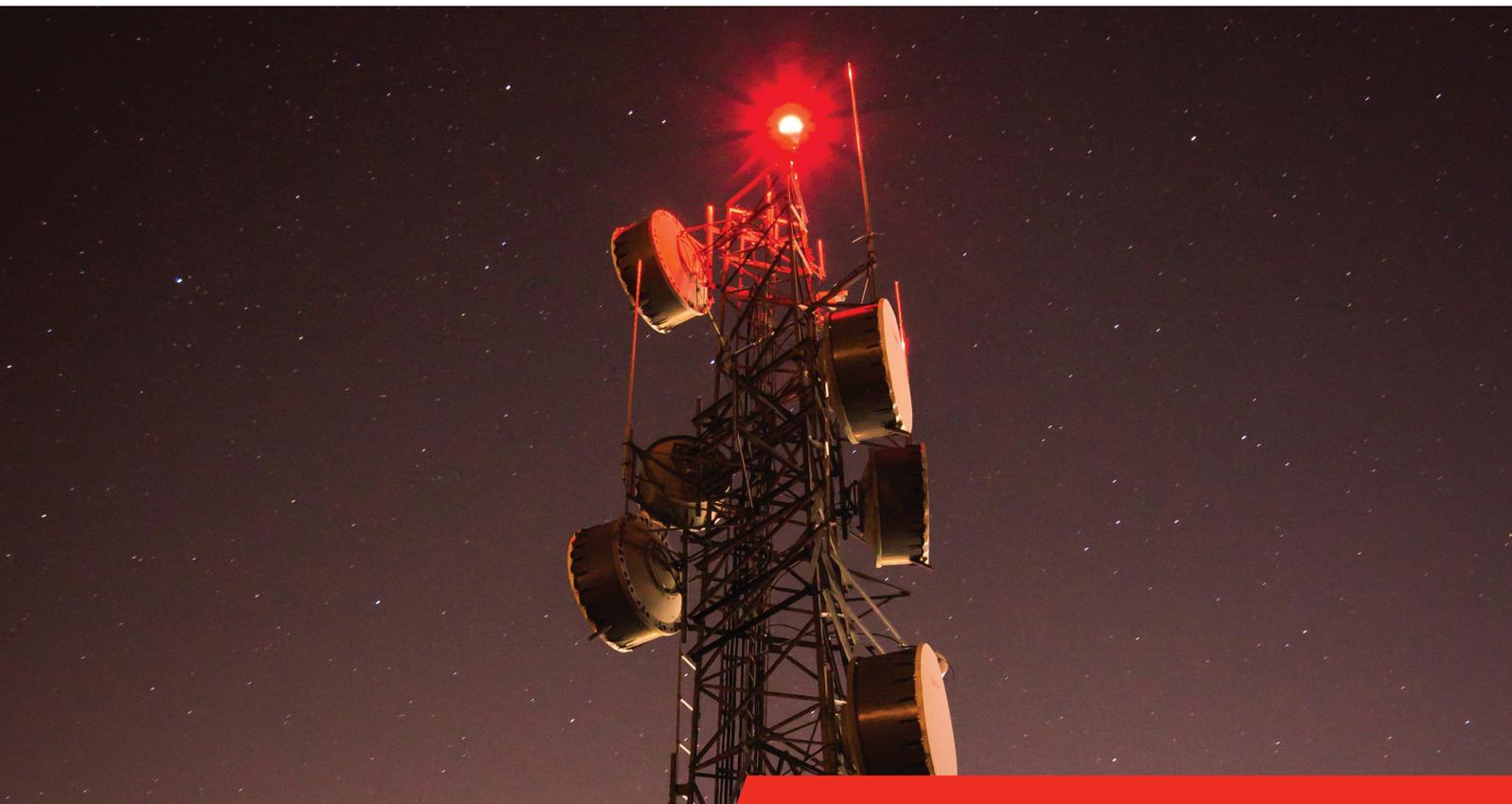
The Solution

Avlite's AV-OL-70 self-contained solar LED obstruction lights were identified as the best solution to ensure the towers were continuously lit, should the supply of power ever be compromised. This was due to the dual internal high performance solar modules angled for maximum solar collection.

The fast installation of Avlite's AV-OL-70 solar powered obstruction lights was effortless as no power cables were necessary and each light is self-contained and fully autonomous. The automatic night activation and remote performance monitoring allowed the AV-70's to turn on automatically when required. With a 12 year service life, the AV-OL-70s can be expected to run reliably, with little to no maintenance.

Chosen for achieving true self-sufficient dusk-till-dawn operation in a small environmentally sealed package, Avlite's AV-OL-70 is the field proven choice in obstruction lighting.

BTS was able to meet their rigorous tower construction deadline and budget, minimize the possibility of equipment theft and vandalism, and offer their customers additional antenna locations for expanded wireless services in the Lima area while ensuring the safety of nearby air traffic.





All Avlite Systems products are manufactured to exacting standards under strict quality control procedures. Avlite's commitment to research and development, investing in modern equipment and advanced manufacturing procedures has made us an industry leader in solar aviation lighting. By choosing Avlite Systems you can rest assured you have chosen the very best.

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- ✓ Rapid Turnaround

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