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PROJECT REPORT

PORTABLE AIRFIELD LIGHTING IS IDEAL FOR UNEXPECTED EMERGENCY SITUATIONS



LOCATION Eastern Africa

DATE January 2020

CLIENT East African Civil Aviation Authority

EQUIPMENT LED Runway Lighting, LED PAPI, LED Threshold Lighting, LED Taxiway Lighting, LED REILs

APPLICATION Portable Airfield Lighting System for Sustaining Operations

SYNOPSIS

Aviation Renewables has been awarded a contract to supply, deliver, train and commission two portable LED airfield lighting systems for a central East African Civil Aviation Department. After careful consultation with the aviation authority, each portable LED airfield lighting system will consist of LED runway lighting, LED threshold lighting, LED taxiway lighting, LED REILs (Runway End Identifier Lights), LED PAPIs and remote control operating systems in order to ensure safe operations and proper system deployment.

CHALLENGE

The client required pilot training for day and night landing and take off operations. At the completion of a factory acceptance test, delivery of each portable LED airfield lighting system allowed the East African Civil Aviation Authority to provide the training requirement. In addition, the Civil Aviation Authority will retain the ability to respond to unforeseen emergency situations such as electrical power failures, natural disasters and necessary maintenance requirements such as construction works, electrical airfield ground lighting maintenance, secondary back up runway lighting or training exercises.



Aviation Renewables provides technical training from the ATC tower

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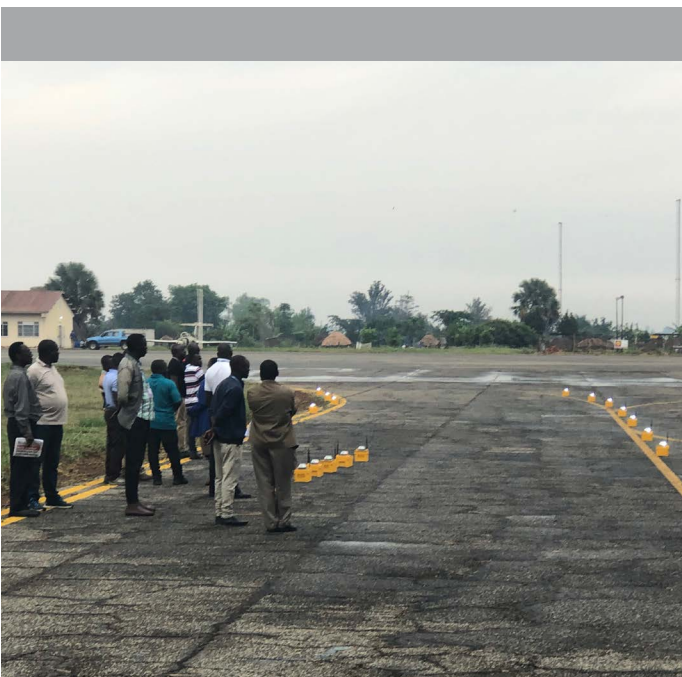
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SOLUTION



After careful consultation with the client, Aviation Renewables designed a portable LED runway lighting system. The portable nature of the LED runway lighting system and the LED PAPI provides maximum flexibility for the client. The portable LED PAPI can be used to quickly displace a threshold when maintenance activities or temporary obstructions are present. The portable lighting on a street-legal trailer can easily be towed to a different airport should the need arise. Having the portable LED lighting system in the management network will increase the reliability of all airports, not just the airport at which the lights are stored.

With a program initiative to deliver a highly reliable, field proven, factory tested portable LED airfield lighting system capable of both semi-permanent or permanent operations, Aviation Renewables was able to meet the East African Civil Aviation Department's expectations for runway safety, ICAO compliance, economic cost savings and long-term operations capability over the next twenty years. As the most experienced and proven turn-key integrator for off grid LED airfield lighting and power systems, Aviation Renewables continues to lead the industry in efficient, low cost and reliable LED aviation lighting and power solutions. For more information, please visit Aviation Renewables.



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