



**OCem AIRFIELD  
FOR AIR FORCES**  
TRUST. DELIVERED.

OCem - THE AIRFIELD EXPERTS

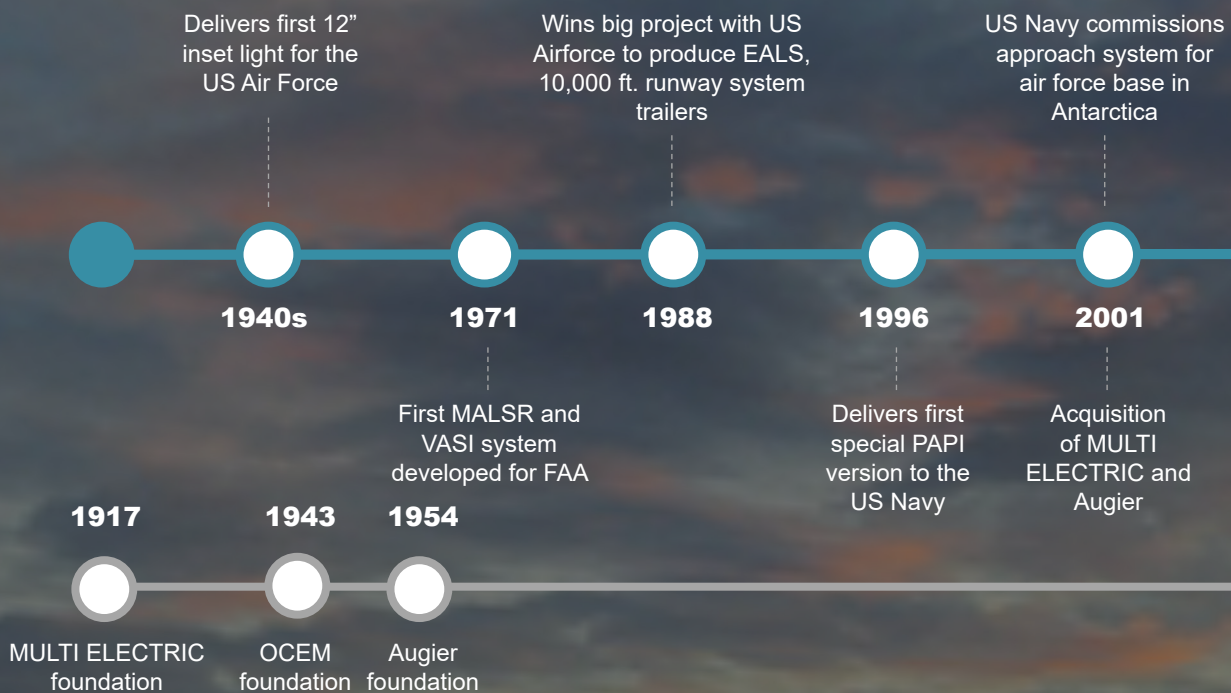
# OCEM Airfield

## The partner of choice to the Air Force

What distinguishes OCEM Airfield and its sister companies, MULTI ELECTRIC and AUGIER Energy as the partner of choice to the air force? In three words: Trust, Reliability and Experience. We have built this reputation over eight decades of working closely with the US Air Force and defense forces all over the world and providing our products and services to air force bases on every continent from Antarctica to Asia.

### *From a rich history to a richer present*

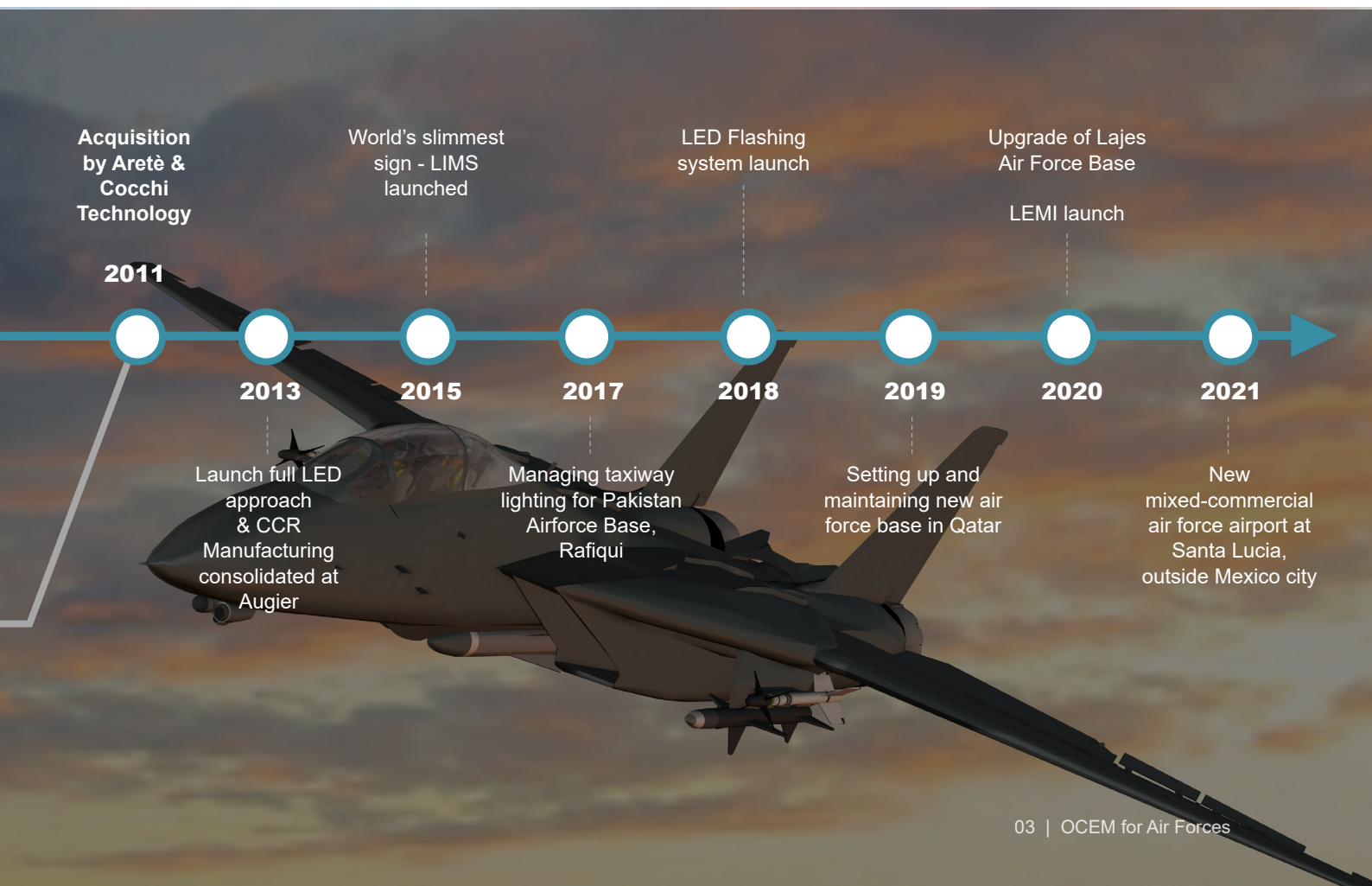
It was soon after World War II that our sister company, MULTI ELECTRIC that had been manufacturing junction terminal boxes for aircraft carriers received a request from the US Air Force to manufacture lamp holders for approach lights. The development of medium and high intensity edge lights based on military specifications for the CAA (the predecessor to the FAA) marked the launch of MULTI ELECTRIC in approach lighting and the company's long standing association with the US Armed Forces. So, when the air force wanted to use inset lighting, it was MULTI ELECTRIC that was asked to write the specifications. Thus, came about the industry's very first 12" inset light that subsequently got patented.



Over the years, MULTI ELECTRIC has supported the US Air Force with a series of innovations including:

- First delivery of battery powered lights for tents
- First portable heliport lights
- Development of a signal light gun for the guidance of helicopters
- Development and production of the US Air Force Emergency Airfield Lighting Systems (EALS) – actively used during several interventions

Today, we have air force airfield lighting references on every continent. Whether it is setting up an approach system on ice runways at the research post at the South Pole or setting up an air force base from ground up in a Middle Eastern desert, we can help with air force airfield deployments anywhere in the world.



WHEN THE  
**WORLD'S  
MOST  
ADVANCED  
LED  
SOLUTIONS**

MEET WITH  
**THE HIGHEST  
RELIABILITY**

YOU HAVE A  
**WINNING  
MIX**



### LED Airfield Lighting

Full range of LED lights from Approach (including our leading LED Flashing System) to Runway and from Taxiway to Apron

Designed with highest performance and lowest maintenance in mind

All lights have the highest IP grade, guaranteeing long operating times

Our patented sapphire technology ensures best protection of lights

Most components shared between elevated and inset lights, making spare parts management easier and more cost efficient compared to any other brand

Best in class portable lighting systems that can be deployed fast and don't require any cabling; so ideal for temporary air force deployments anywhere in the world



### AGL Power Solutions

Power regulators from AUGIER and OCEM Airfield have proven their reliability and quality over six decades

Designed to guarantee safe operating conditions and easy maintenance

Compatible with most brands of LED AGL fixtures that are ICAO or FAA certified





## AGL Control Systems

OCEM's Individual Light Control and Monitoring System (ILCMS) and Airfield Lighting Control and Monitoring System (ALCMS) offer full control of airfield lighting

Increased flexibility in overall routing and guidance, providing real-time status of airfield availability

Easy Follow the Greens integration, where needed

Helps integrate the disparate worlds of ATC and airfield, creating a connected airport

Non-proprietary technology/solutions that provide extreme flexibility – no product lock-ins nor silos

FAA developed Runway Status Lights - a fully automatic, warning system designed to reduce the number and severity of runway incursions.



## AGL Services

24/7 support available whenever needed

Full range of services from design, installation and commissioning to training on site

Follow strict security protocols to guarantee full confidentiality

Wide range of preventive maintenance tools and remote maintenance via augmented reality (AR) services

*- Instantaneous support for your engineers with our expert/s located remotely*

*- Ability to resolve problems with minimum time and maximum accuracy*



## AGL Accessories

Preferred partner to the best-in-class manufacturers of AGL accessories - from cabling to transformers and from wind cones to frangible masts

Ability to provide best-in-class AGL related accessories in a one-stop shop model

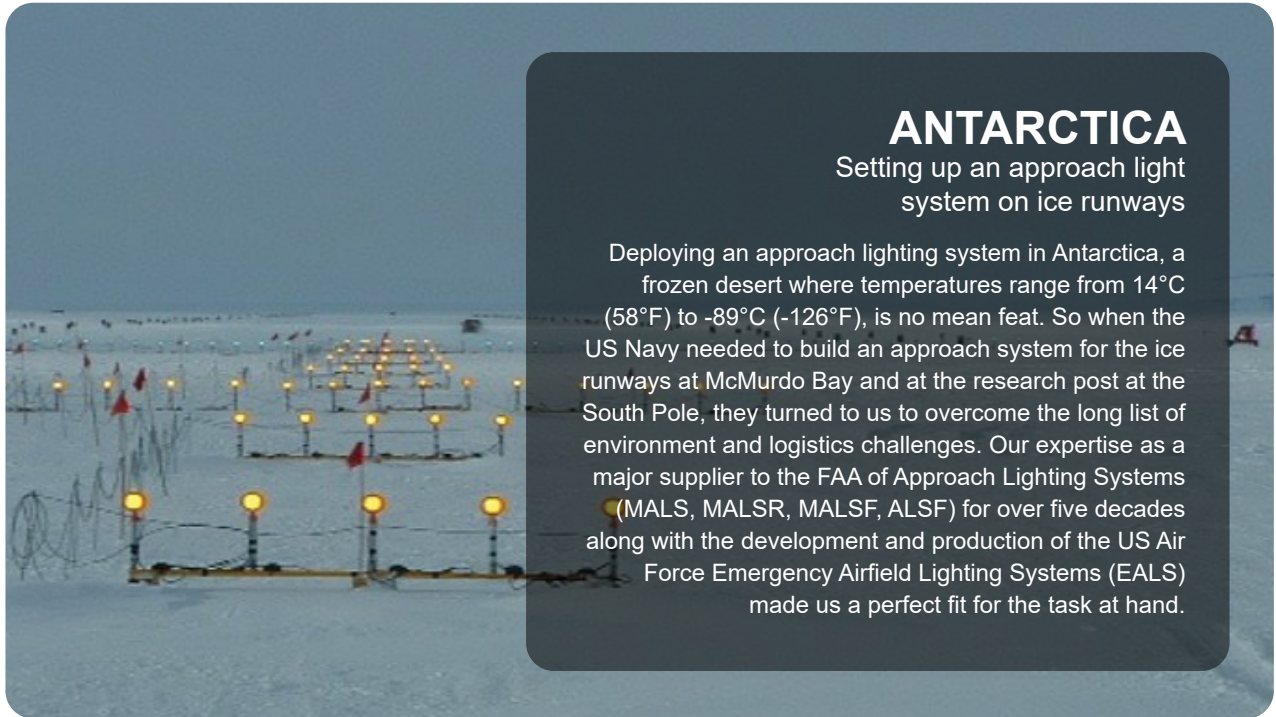
Partnership approach allows for best rates in the industry

Full support from design to full maintenance

Delivery on time and within budget



# TRUSTED ALL AROUND THE WORLD



## ANTARCTICA

Setting up an approach light system on ice runways

Deploying an approach lighting system in Antarctica, a frozen desert where temperatures range from 14°C (58°F) to -89°C (-126°F), is no mean feat. So when the US Navy needed to build an approach system for the ice runways at McMurdo Bay and at the research post at the South Pole, they turned to us to overcome the long list of environment and logistics challenges. Our expertise as a major supplier to the FAA of Approach Lighting Systems (MALS, MALSR, MALSF, ALSF) for over five decades along with the development and production of the US Air Force Emergency Airfield Lighting Systems (EALS) made us a perfect fit for the task at hand.

## AMERICAS

Supplying all runway and taxiway lighting at Mexico's new mixed commercial-air force airport

OCEM signed one of its biggest AGL contracts of 2020, when the company was selected to deliver all solutions for the three new runways and associated taxiways of a new mixed commercial-air force airport that the Mexican Government is building on the air force base of Santa Lucía, outside of Mexico City. OCEM perfectly matched the airport's expectations in terms of products and overall approach and supplied all runway and taxiway lighting (14,000 lights). The order also included the supply of all AGL Power solutions (200 regulators) and the complete training needs of the airport staff.





## EUROPE

### Crafting a safer airfield approach at Bardufoss, Norway

Bardufoss Air Station is an air force base located at Bardufoss in Northern Norway.

The operator, The Royal Norwegian Airforce, was keen to improve the safety of the airfield approach and commissioned OCEM for the job because of our solution's simplicity in installation, operations and the impressive number of implementations around the world. We will install our Approach Flashing Light system including LEFL and LERA light fixtures.



## MIDDLE EAST

### Setting up and maintaining a new air force base

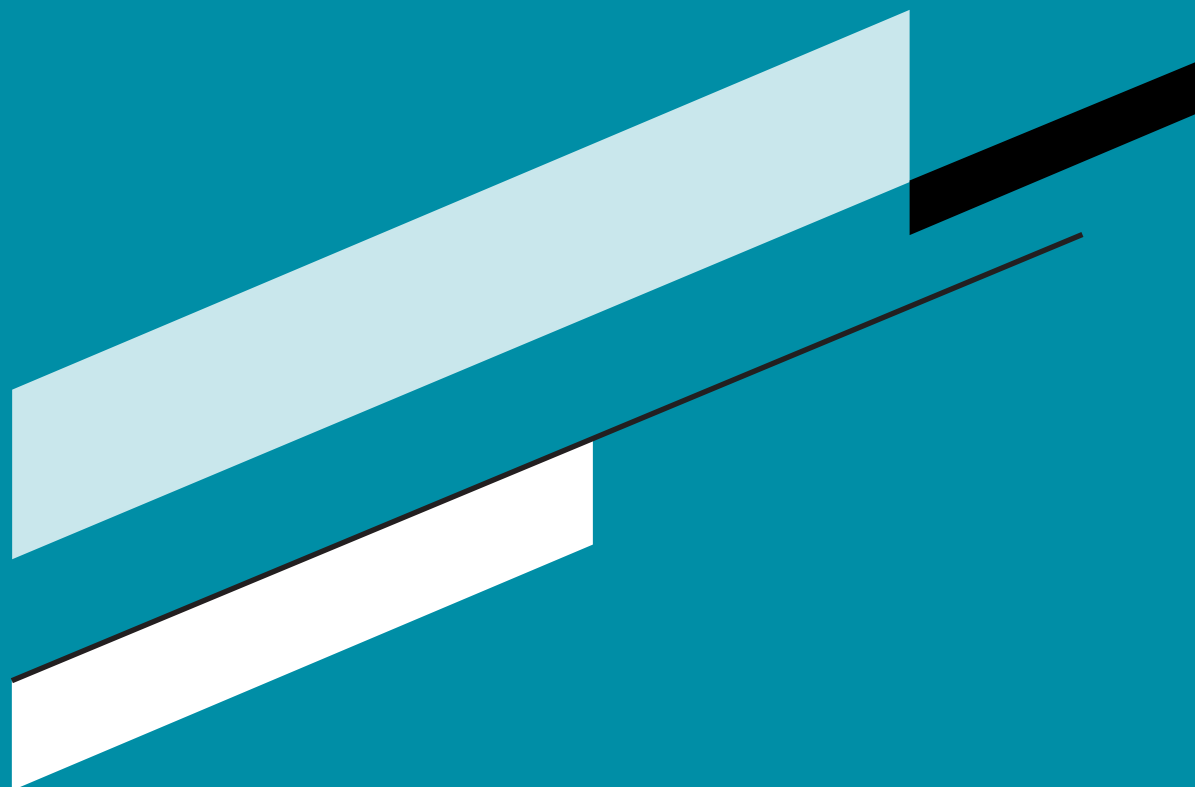
When a leading air force in the Middle East was looking to set up a new air force base in the region, we were a natural choice for the turnkey project. Impressed by our overall high quality approach, the reliability of our products, the long list of turnkey references and our unmatched reputation in the industry, we were awarded the large turnkey deal. We deployed a complete LED AGL solution for two runways and two parallel taxiways. As part of the contract we cover maintenance to guarantee 24/7 operations.



## ASIA

### Taking charge of taxiway lighting for a Pakistan Airforce Base

The Pakistan Airforce (PAF) Base Rafiqui, located near Shorkot is around 337 km south of Pakistan's capital, Islamabad and served by a single 10,000-foot runway and a parallel taxiway that is used for emergency landing and recovery of aircraft. For its taxiway lighting needs, the airbase chose OCEM because of proven quality - highly critical in a military environment. Our strict adherence to technological requirements and speedy delivery also convinced the client we were the right fit. OCEM supplied the inset taxiway edge lights with their shallow bases and elevated taxiway edge lights.



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