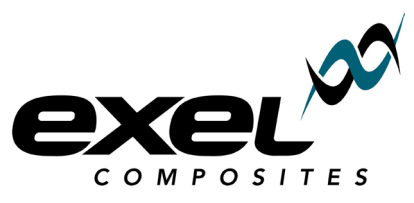


Airfield. Our Field.



ADB Airfield Solutions and EXEL Composites A Proven, Safety First Approach



A Proven, Safety First Approach

While air travel is considered one of the safest modes of transportation when measured by distance traveled, runway safety continues to be a top priority for airports around the world. This is because incidents during landing and take-off remain the most common cause for accidents and worse, their severity and fatality potentially increases if the aircraft comes in contact with structures on the airfield.

As world leaders in airfield lighting and frangible airfield support structures respectively, ADB Airfield Solutions and EXEL Composites clearly understand your needs. Together, we have several decades of experience in delivering solutions best suited to the requirements of leading airports globally.

Our skilled experts can work with you to analyze the geophysical structure of your airport and recommend customized installation of EXEL Composites' ICAO- and FAA-compliant frangible airfield structures. These structures are lightweight, yet rigid, and break or yield on impact, to minimize damage and maximize safety, and thus protect property and life.

With hundreds of airports around the world using our solutions, you can rely on our expertise to provide the right and proven approach to aerodrome safety.



Lightweight, Reliable and Strong: Frangible Airfield Structures

In addition to ADB airfield ground lighting solutions, you can now benefit from a complete solution with EXEL Composites' portfolio of support structures for approach lighting, ILS Localizer and Glide Path (GP) antennae, weather observation, and a wide array of airfield equipment. These extremely light yet rigid composite fiberglass structures include tiltable and non-tiltable poles, standard and extra tall lattice masts, and GP Towers.

EXEL also offers frangible fencing for airport perimeter or individual installations to restrict access to non-public areas. The structures are available in standard colors as prescribed - aviation yellow, FAA-Orange or ICAO-Red and White, while other colors are available on request.

■ **Integrated, cost-effective offering:**

We offer an end-to-end solution comprising ADB UEL approach lighting complete with EXEL supporting structures. Furthermore, our lightweight UELs can be fitted on taller poles with lower diameter, for a cost-effective solution.



■ **Fully compliant:** Compliance to ICAO and FAA frangibility guidelines has been proven in full-scale impact tests. EXEL is on the FAA's list of certified products and manufacturers and the Netherland's Aerospace Laboratory NLR has declared EXEL's conformity to the ICAO ruling.



■ **Proven performance, long service life:**

EXEL's products have passed numerous tests stipulated by civil and military aviation organizations around the world. Moreover, they are resilient and highly stable in extreme conditions and are protected against UV-radiation, corrosion, deflection and survival under stormy winds.



■ **Versatile:** EXEL masts can be adapted to install a variety of antennae, transmitters, receivers and reflectors. While the main structures primarily remain the same, a vast array of parts for installing different equipment is available on request.



■ **Highest standards of quality:** Certified by DNV, one of the world's leading certification bodies, for ISO 9001:2008 and ISO 14001:2004, EXEL is committed to best practices in quality management and production processes.



■ **Low maintenance:** The structures are designed to be practically maintenance free, and the maintenance of installed equipment can be managed easily by a single technician.



■ **Interference-free communication:**

EXEL's special pull-winding technology shapes fiberglass into tubes with a thin, yet extremely strong and rigid wall, completely transparent to electromagnetic signals. These structures therefore cause no interference in airport communication.



More than 500 airports worldwide have chosen EXEL. Here are some of them.



Certified excellence

EXEL's aerodrome safety installations are used all around the world, from Sydney to Houston and from Svalbard to Montevideo - performing on circumstances from permanently frozen ground to the extreme heat of Equatorial sunshine. All of EXEL's aerodrome products are thoroughly tested to verify compatibility and certified to comply with both ICAO's and FAA's frangibility requirements, guaranteeing the maximum level of airport safety.

Find out more about how ADB and EXEL Composites can make your airfield safer, please contact us at marketing@adb-air.com

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