

ILCMS by GRP

Individual Lamp Control & Monitoring System



With Empower's ILCMS solution, airports can reduce overall costs and experience vast improvements in the number of aircraft movements with a higher degree of safety.

Having the ability to control segments of airfield lighting independently on Runways, Taxiways and at Central De-icing Facilities, Traffic Controllers have a higher degree of control over aircraft movements while at the same time reducing the potential for incidents.

Features

- ILCMS is one of the key elements of an A-SMGCS (Advanced-Surface Movement Guidance Control System).
- Excellent solution for controlling aircraft movements at Central De-icing Facilities and on Runways and Taxiways.
- Easily integrated for Overt/Covert training exercises at Military Air Bases.
- Monitoring of lamp failures with location identification.
- Reliable communication through field circuits.
- Utilizes existing field cables.
- Fast response times.

Technological Advancements

- Perfectly suited to both unshielded and shielded field cables.
- No minimum value of insulation resistance required in the airfield cables.
- No signal regenerators required.
- Several frequency channels available to ensure reliable messaging.
- Several channels run simultaneously in every lamp unit.



Benefits For The Airports

Investment Savings:

- In traditional airfield design, the number of circuits is the result of grouping and separating of the lights associated to different functions. This generally leads to a high number of circuits with a small number of lights. Our ILCMS solution reduces the number of circuits (CCRs) required.
- Numerous taxiway segments can be powered by a reduced number of CCRs.
- Allows for cost effective designs by gathering groups with different functions into the same circuit.

Savings in Power Consumption:

- Having less field circuits directly lowers the typical equipment investment.
- Maintenance costs are reduced by having a decreased number of elements (cables, regulators, etc.) to maintain.
- Direct energy savings with fewer fixtures needing to be energized at any given time as well as losses associated with long and numerous cable runs.