

## Take off with CEDD®

A practical guide to CEDD® AGL

Webinar 12<sup>th</sup> October 2021 - Questions and Answers

### **How compatible is CEDD® with existing AGL systems and infrastructures? Is it possible to integrate with third-party AGL systems with full compliance?**

The CEDD® system is compatible from the ALCMS interface level. Existing ducts can be reused and shared with other cables. Integration with 3rd party ALCMS systems is possible – we have interfaced with most major brands.

### **Is it possible to control the system through a third party interface?**

Yes, we provide an interface on our CEDD® Master that can be used for integration with an ALCMS system. We have experience with integrating with different 3<sup>rd</sup> party ALCMS systems.

### **How do you give the address to the fitting?**

Each CEDD® fixture has a unique address that is connected to the specific fixture in the CEDD® configuration.

### **For heavily trafficked centrelines where cables are installed in pavement chases, how do you mitigate the risk of damage to the twisted pair cable. In the event of cable damage, how do you locate the point of failure?**

If the cable is installed correctly, it should not get damaged more than a regular secondary cable. It is important of course to properly install the cable in clean sawcuts. The CEDD® system monitors the performance of the cables. In case of trouble you will notice it in the system. If the cable gets damaged, the location might be determined based on data from the light fixtures. If the cable is not completely cut through, you will probably notice a degradation in communication that might be able to assist in determining the location.

### **How about cable damage and jointing?**

When a cable is damaged, it can easily be repaired with a standard cable repair kit that allows the CEDD® cable to be repaired or jointed where required.

**Per basestation / circuit, what is the maximum circuit length and how many light fittings can be connected?**

The circuit length for 1 basestation is up to 1,600 meters, with a maximum of 40 inset lights (8") based on the number and type of lights.

**Could CEDD<sup>®</sup> just be used for Runway or Taxiway centerline lights? Not for Runway Edge lights?**

The CEDD<sup>®</sup> system can also be used for Runway Edge (inset or elevated). All runway functions are available in CEDD<sup>®</sup> technology except for PAPI and Flash.

**Do you have Approach and SFL fixtures in the CEDD<sup>®</sup> portfolio?**

We do have Approach fixtures (inset and elevated), we do not have SFL fixtures (yet).

**Can the CEDD<sup>®</sup> system control Taxiway Guidance Signs?**

No, we do not have Taxiway Guidance Signs available in CEDD<sup>®</sup> (yet) since many of the benefits of the CEDD<sup>®</sup> system are not applicable on TGS.

**Please elaborate on the need for lightning protection and grounding for the circuits and fixtures, and the compliance with ICAO and FAA requirements for grounding and lightning protection.**

It is possible to ground the system and apply lightning protection. However, it is not necessary for the performance of the CEDD<sup>®</sup> system. Lightning protection at the substation cable entry can be used to reduce damage in the substation.