



ADB SAFEGATE

CORTEX SAFE-r

Runway Status Light System

Our innovative RWSL solution combines RWSL Processing and RWSL Field Lighting System (FLS), providing immediate and reliable light activation to keep runways safer than ever.

CORTEX SAFE-r is an entirely independent system that offers immediate and reliable light activation, when used with the latest ADB SAFEGATE LINC 360 technology. This integrated approach reduces light activation time and allows ADB SAFEGATE to be in full control of the system performance, making it the only solution in the market provided by one single party.

This new **ADB SAFEGATE RWSL** solution provides additional safety, above the standard clearances, stop bar activation and A-SMGCS safety nets, while simultaneously reducing intervention time, which is critical to ensure that accidents do not occur.


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How the CORTEX SAFE-r RWSL Solution Works

The lights provide direct, instant alerts to the taxiing crew, require no input from controllers and do not interfere with airport operations.

- The CORTEX SAFE-r processor receives surveillance data and operates directly the RELs and THLs
- The RELs and THLs comprise AXON LED lights, with integrated LINC 360 communication module for ILCMS
- The switching of REL and THL lights is fully automated and driven by the system without any intervention of air traffic controllers
- CORTEX SAFE-r solution is scalable and can be tailored based on airport operations and airport hot spots
- RELs and THLs serve as additional safety layers which operate automatically at airfield level

Mode of operation

- The system can be used in any visibility condition and independently from the operational runway category
- Red RWSL (ON) mean stop!
- RWSL OFF does not mean clearance to proceed
- The system operates automatically without interfering with airport operations
- In the event of doubts, the system can be switched OFF using a kill switch provided to the Air Traffic Controller
- Although an ATC control panel is provided, there is no need for ATC personnel to actively monitor the system

