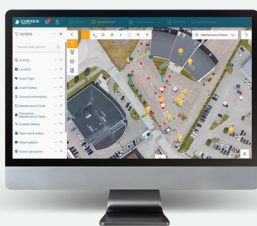


AGL Maintenance Solution

CORTEX Service simplifies airfield maintenance with a user-friendly system for scheduling and registering upkeep of Airfield Ground Lighting (AGL) and GATE systems. The iOS app serves as the infield extension of the web-based platform, allowing technicians to manage work orders, register maintenance tasks, and capture torque values directly on-site. Seamlessly integrating with compatible wrenches, it streamlines torque inspections and automatically records applied torque for better accuracy and compliance, ensuring your airfield remains safe and efficient.

SYSTEM

CORTEX Service
Web App



One web application
per cloud environment

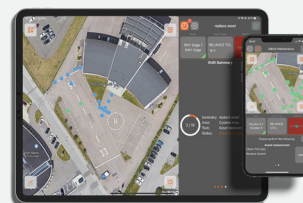
MS Azure Cloud
Database



MS Azure Cloud Database

One Azure cloud
environment per
subscription

Tablet/Phone
with CORTEX
Service iOS App



Multiple iOS devices
can work in real time

CORTEX Service
compatible
torque wrench



Quad Lock for
secure phone
mounting

Ergonomic
extension bar



Visit the CORTEX Service online
for user manuals and updates

CORTEX Service iOS App

- **Mobile Compatibility:** CORTEX Service iOS/iPadOS apps (for iPad and iPhone) let technicians view work orders, capture real-time data, map assets automatically with GPS, and submit on-the-spot observations.
- **Offline Mode:** Keep working even in remote areas. Once back online, all data syncs seamlessly to the cloud database.
- **Streamlined Setup:** Use QR or barcode scanning to instantly identify assets located indoors on the field, or in harder-to-access areas.
- **Bluetooth connection to Ingersoll Rand & Tohnichi Wrenches:** Connect electronically to ensure torque logs are captured automatically and stored securely



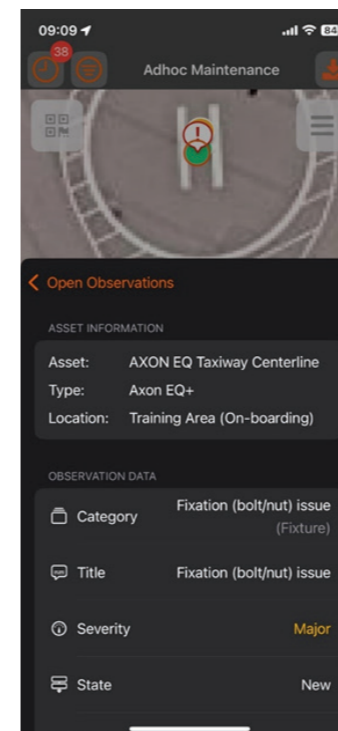
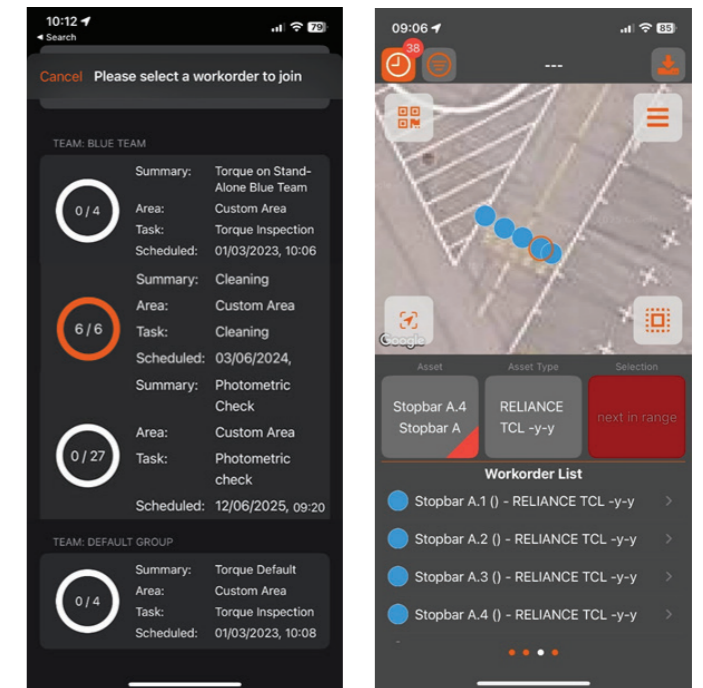
MAP VIEW

A unique module for ad hoc inspection and maintenance registration, our Mapview module brings the perfect workflow between airside operations, inspection and the maintenance teams. It uses intelligent filters, maintenance work playback / history, observations reporting and much more all in the same space!

WORK ORDER REGISTRATIONS

Registering your work progress and torque inspections can now be done in a blink of an eye! With our unique location-based Auto-Selection feature active, the system will have identified and selected the asset you want to work on the moment you approach it. This reduces the on-site work time significantly.

By not requiring RFID tags for asset identification the installation cost and threshold for using CORTEX Service is now lower than ever! For indoor registration you can use the same device as a QR reader to register the actions performed.



OBSERVATIONS

An airport is never a boring place, and every day brings new challenges. To keep track of these incidents, you can create on-site observations with notes or pictures to inform the work order manager about what's happening on-site, enabling them to take the appropriate action.



Never miss a critical update! Stay ahead and keep your workflows running seamlessly.

With the CORTEX Service Notification system, critical personnel can receive instant updates via email or Microsoft Teams for key events like work order creation, completion, or observation severity changes.

Compatible Tools



IR QX Assembly Tool

The innovative QX Series is a revolutionary step up for your airfield, one that shows how a smarter tool can improve process control, operator comfort and data communication in a single package while increasing productivity, lowering costs and ensuring a high-quality installation of your airfield lighting.



Tohnichi Torque Wrench

This electronic manual torque wrench used for ergonomic torque inspections and fixations where the applied peak torque can be registered in CORTEX Service. It features high brightness LED display, which allows easy tracking of the tightening condition, robust and durable aluminum body. 10 different target torque values can be programmed and easily recalled by alphabetic registration.



The Extension Bar

The extension bar is designed for more ergonomic standup torquing, reducing effort and improving torque accuracy. Two versions are available, differing in length to accommodate users of varying heights: the 850 mm version for individuals between 150–180 cm and the 1000 mm version for those 180 cm and above. Both versions are rated for 100 Nm of torque. Sockets are 1/2" and are available for M10 bolts or the US-standard 3/8"–16 UNC hex bolts and are secured with a locking bolt to the extension poles to prevent FOD loss on the runway.