



# CORTEX APRON MANAGER

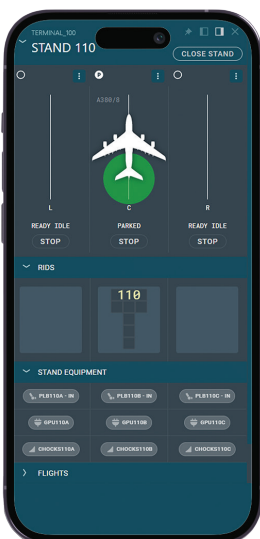
## Let Your Apron Operations Take Off

Airport aprons are busy, congested areas where operators are met with challenges such as safety, severe weather and other disruptions while striving to maintain on-time arrivals and departures. The fewer disturbances or interruptions on the apron, the smoother traffic will flow system wide.

ADB SAFEGATE's Apron Manager is the heart of apron operations and the natural intelligent hub for controlling, merging, storing, analyzing and predicting for operational performance in an ever-changing environment. It provides a platform to increase safety, efficiency and situational awareness to all stakeholders involved in the aircraft turn through digitalization.

Apron Manager uses the Safedock advanced visual docking guidance systems (A-VDGS) as intelligent sensors to collect and distribute real-time gate/stand intelligence between airport, airline and air traffic control systems. Vital information is shared in support of A-CDM, increasing situational awareness and allowing the right decisions or corrective actions to ensure smooth and safe operations, while successfully managing changes in demand and work flows.

### HOW DOES APRON MANAGER WORK?



- 1

Integrates with Safedock A-VDGS to collect real-time gate/stand intelligence and enable fully-automated aircraft docking
- 2

Connects the AODB, surveillance and other systems and updates with the latest gate/flight information
- 3

Presents operationally important data to stakeholders remotely or via a mobile device, allowing users to respond quickly
- 4

Alerts to potential issues before and during arrival and during pushback and proposes mitigation efforts
- 5

Uses the A-VDGS as sensors to track and report aircraft positional data within the gate area on arrival and during pushback

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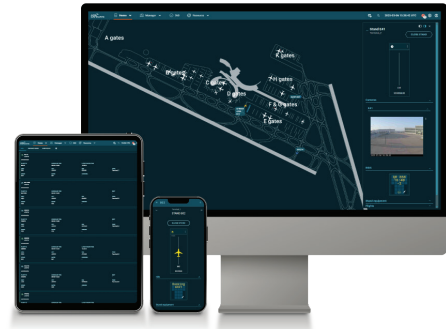
## Safer, faster turnarounds

Apron Manager is a web-based, mobile friendly solution offering de-centralized management of stands and apron operations with user-based views.

It creates a more proactive operation through constant control and monitoring of the Safedock A-VDGS and other integrated equipment, allowing stakeholders to know their precise status and receive alerts to potential issues before an aircraft arrives.

The new interfacing “gateway” is also prepared for receiving full equipment reports, in addition to statuses like consumption, actual settings for example power factor. Apron Manager is also prepared to be cybersecure and wireless compatible for mobile GSE and IoT integration.

The A-VDGS double as a Ramp Information Display System (RIDS), receiving critical updates from the Apron Manager and displaying the information to flight and ground crews to help deliver on-time departures.



Apron Manager uses the A-VDGS as Surveillance Gap Filler sensors to track aircraft movement within the gate/stand area on arrival and during pushback. Position details are automatically sent to the surveillance system eliminating black spots and improving surveillance coverage.

## KEY FEATURES AND BENEFITS:

### Natural integrator on the apron

- Connects A-VDGS, AODB, surveillance systems, GSE and mobile equipment to provide a real-time overview of gate status and stand availability
- Enables fully automated docking of aircraft by Safedock A-VDGS
- Sends alerts to potential issues before an aircraft arrives
- Updates A-CDM or AODB with the latest gate/flight information including actual block IN/OFF times

### Turn awareness and real-time management

- Uses A-VDGS as RIDS to provide flight and ground crew with real-time data such as target off block times, countdown timers, equipment status, etc.

### Traffic situational awareness

- Provides a full view of aircraft movements together with details on stand occupancy, equipment status, turnaround progress and more to airport operations centers, remote apron towers and others

### Remote monitoring via A-VDGS built-in video camera

- Monitors and archives video feed of apron to enable video analytics of performance and facilitate incident investigations

### Surveillance Gap Filler

- Uses A-VDGS as sensors to track position of aircraft in the gate/stand area
- Automatically sends position details to the surveillance system, enhancing coverage close to the terminal and supporting transponder-on-adherence on pushback

### Cloud-based architecture

- Quick, easy deployment in private or public cloud
- Scalable to enable seamless adoption of new tools and processes

### Browser based, no device or operating system constraints

- Quick, efficient delivery of content to any connected device
- Manage operations on the go with real-time status updates

APRON Manager is part of ADB SAFEGATE's Intelligent APRON suite of software solutions bringing digitalization and intelligence to the apron.

APRON 360 | APRON Manager | APRON FOD

[www.adbsafegate.com](http://www.adbsafegate.com)

The logo for ADB SAFEGATE, featuring the letters 'ADB' in a large, bold, sans-serif font, with 'SAFEGATE' in a smaller, bold, sans-serif font below it. To the right of the text is a stylized orange and yellow starburst or flame-like graphic.