

Let your apron efficiency soar



Intelligent apron management for more predictable, faster aircraft turns

The gate is where the action is

As more people fly, airports face growing pressure. This is having a deep impact on the apron and gate areas, where multiple activities must be choreographed to turn aircraft around safely and rapidly.

ADB SAFEGATE is applying integration, automation and advanced data analytics to deliver faster, more predictable aircraft turnarounds for the smoothest flow of travellers.

Total Airport Management enabled by advanced analytics

ADB SAFEGATE's vision for Total Airport Management (TAM) will transform airport and airline operations through intelligent integration. Airports will be able to handle more traffic and deliver a superior passenger experience - safely, efficiently and sustainably.

Apron and gate management is a core TAM activity. Efficiently guiding a landed aircraft to the apron, into the parking area and docked safely at the correct gate calls for accurate, up-to-date information and tight integration of multiple systems. Only then can teams work together efficiently to achieve on-time departures, no matter what the circumstances or how conditions change.



The future of apron and gate management moves a step closer

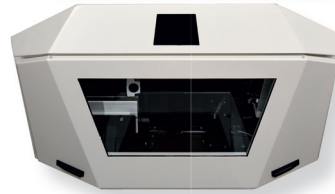
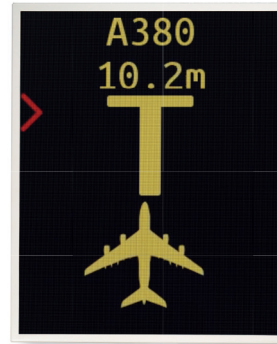
The Advanced Visual Docking Guidance System (A-VDGS) collects and provides real time data at the heart of apron and gate activities. Safedock X is the latest member of the ADB SAFEGATE family of proven and reliable A-VDGS systems deployed worldwide at hundreds of airports.

Safedock X is packed with innovation to bring the future of fully automated, tightly integrated and intelligent docking and apron management closer to reality. New surveillance technologies, modern display capabilities, advanced integration and unrivalled reliability combine to deliver faster, safer aircraft turnarounds under any weather condition.



Safedock X: transforming docking safety and efficiency

ADB SAFEGATE Safedock X is a new generation A-VDGS solution; one that combines cutting-edge display capabilities to improve situational awareness, with state of the art sensors to ensure safe, rapid aircraft docking under all weather conditions.



Displays more information in more ways

- High resolution color display delivers unprecedented clarity for pilots and ground staff
- Shows more information matched to any need to help reduce delays
- Multiple display support - one display for air crew and one for ground crew
- Fully flexible content can be tailored for all ramp information needs
- Mobile operator panel for improved situational awareness and flexibility

Sensor fusion for superior availability

- Supports safe docking even in low visibility conditions
- Increases gate availability for higher traffic handling capacity
- Enhances safety procedures by scanning for apron obstacles as small as 10 x 10 cm (4" x 4")
- Detects push-backs to alert controller and help prevent unauthorized movements

Increased integration and approach monitoring for safer operations

- Integrated with A-SMGCS for greater situational awareness and accurate turn predictability
- Acts as an A-SMGCS sensor to eliminate black spots near terminal building by providing real time turn-around (or apron) data
- Alerts when a parking aircraft obstructs the taxiway, helping to prevent tail collisions
- Positive aircraft ID reduces the risk of docking at the wrong gate
- Monitors the apron and accuracy of aircraft approach to avoid accidents and delays

Sleek design for low total costs

- Superior reliability and lifecycle costs
- Preventive maintenance tools to minimize downtime
- Efficient heat management for long system life, especially in hot climates



Spearheading docking technology for four decades

Since installing its first docking system in 1977, ADB SAFEGATE has delivered more than 10,000 Safedock solutions, making it the most widely used and trusted A-VDGS at airports around the world.

Today, Safedock A-VDGS is used at 300 of the world's busiest airports, from Atlanta to Istanbul, Bangkok to Toronto. 18 million times each year, or every two seconds, an aircraft is safely docked with the Safedock system.

With its long heritage in docking technology, ADB SAFEGATE offers proven reliability and vast experience. As a trusted supplier to the world's largest airports and driven by innovation, ADB SAFEGATE is applying increased integration, greater automation and advanced data analytics to help ensure fast and predictable aircraft turnarounds.

