



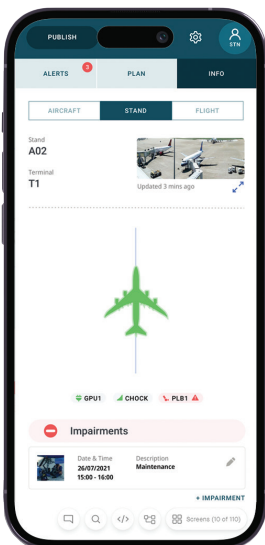
## AI-DRIVEN RESOURCE MANAGEMENT FOR SUSTAINABLE GROWTH

Balancing capacity with demand, while meeting the challenging dynamics of industry standards and customer preferences in a fast-moving airport operating environment, requires careful management of resources. The consumption of extra resources resulting from inefficiencies or disruptions can impose significant operational and environmental costs while stifling opportunities for new revenue streams for airports and airlines. This calls for an innovative approach to resource management that contributes to smart, informed decision making and execution.

Developed in collaboration with experts from some of the world's busiest airports, ADB SAFEGATE's AiPRON Resource allows airports and airlines to plan, control and optimize the use of expensive and in-demand assets such as aircraft parking stands and gates, as well apron vehicles, towing and ground support equipment.

What sets AiPRON Resource apart from traditional resource management systems, are its closed-loop optimization algorithms which utilize machine learning to analyze the operational environment and improve use of existing resources accordingly.

### HOW DOES AiPRON RESOURCE WORK?



1

Provides seamless integration of data across technologies to meet operational changes in real time

2 Uses machine learning to analyze the operational environment and improve resource usage accordingly

3

Offers capacity forecasting based on 'what if' scenarios for best practice to reduce costs and optimize revenue streams

4 Multifaceted situational awareness approach uses autonomous alerts and conflict management to improve safety and productivity

5

Enables KPI-focused resource planning and allocation for sustainable capacity management and growth

# AiPRON Resource

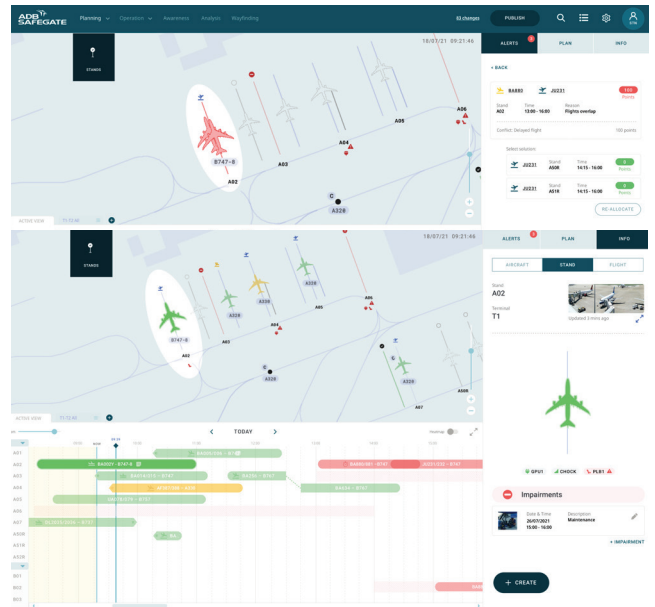
## Plan, control and optimize

AiPRON Resource is a smart resource management solution that uses the latest technology for intelligent planning and allocation of apron resources to elevate operational performance.

Offering a full spectrum of planning scenarios, the solution is designed to evaluate changes and disruptions and automatically integrate resolutions into the tactical planning horizon, freeing up experts to focus only on the most complex situations.

The browser-based solution can be accessed from any connected device to deliver real-time information to the right people, when and where they need it.

The predictive and prescriptive analytics of AiPRON Resource enables airport operators to forecast the impact of infrastructure improvement or maintenance works on capacity, enhancing both operational and commercial decision making.



### KEY FEATURES AND BENEFITS:

#### Interactive aerial maps with status indicators

- Real-time situational awareness via aerial maps and dynamic data feeds
- Visual aid to help direct operations across the entire airport or a section

#### Video surveillance of resources with AI-driven analytics

- Plan and direct resources remotely to achieve operational excellence
- Configurable display for customized snapshot of assets and their statuses

#### Dynamic interactive workflow

- Manage conflict resolutions automatically or manually
- Identify conflicts, generate alerts, propose course of action(s)

#### Identify impediments and initiate maintenance

- Early detection of potential constraints
- Track asset serviceability and manage resources

#### Predictive and prescriptive analytics

- Measure and track key performance indicators to tackle uncertainty
- Manage resource allocation based on commercial outcome of operations

#### Browser-based, standardized application programming interface

- Agnostic data source works across technologies and mechanisms
- Manage operations on the go with any connected device

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

AiPRON 360 | **AiPRON Resource** | AiPRON Manager | AiPRON Connect | AiPRON Finance

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