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ARIS/GateView® real-time display

Display a dynamic, up-to-the minute view of past, current, and future stand operations

The ARIS/GateView real-time display is your window into your stand operations. A dynamic, up-to-the-minute view of your past, current, and future stand operations, the ARIS/GateView real-time display relies on information stored in the ARIS/SmartBase® database, the secure central database and knowledge repository for the SmartAirline Operations Center™ solution and the SmartAirline Operations Center™ solution. Typically, you use the ARIS/GateView real-time display with the Right-Now View® operations dashboard, the ARIS/SB® schedule builder, and data feeds from external systems integrated via the ARIS/SmartBus® communication middleware.

With the ARIS/GateView real-time display, you can:

- View past, current, and future stand operations at the airport in an intuitive bar-chart format
- View dynamic information about flights, flight status, aircraft types, stand assignments, tows, inoperative stands, passenger counts, and flight remarks provided by the Gate Chart Display™ tool and the ARIS/SmartBase database
- Set display preferences so you view information the way you want to view it and when you want to view it
- Set information filters so you view only the information you want to see
- View a history of recent changes to flights and inoperative stands

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- View, enter, and modify flight remarks that are visible to other users of the ARIS/GateView real-time display and to users of the Gate Chart Display tool and the ARIS/SB schedule builder
- Change the estimated IN times and OUT times of flights
- View web pages related to airport and airline operations
- Create and print custom hardcopies of the GateChart

The ARIS/GateView real-time display represents stand operations in an intuitive bar-chart format, called the GateChart. The GateChart displays dates and times across the top of the grid, with past times appearing in columns on the left and future times appearing in columns on the right. It displays terminals and stands down the left side of the grid. The colorful horizontal bars that fill the rows of the grid represent flights assigned to stands during particular time periods. You scroll back and forth across the GateChart to view past, current, and future operations at the stands. You scroll up and down the GateChart to view more stands.

The ARIS/GateView real-time display refreshes information displayed in the GateChart automatically, so the information you view is always current. You can customize the information displayed in your version of the GateChart, so you see the information you need the way you want to see it.

The ARIS/GateView real-time display improves collaborative decision-making and overall organizational effectiveness by displaying timely, accurate information about your stand operations to people throughout your organization. Because you can filter the information displayed, the ARIS/GateView real-time display can provide comprehensive stand-operations information internally and subsets of the same information for external public information displays.

Representative features

High-level operations status available at a glance. The ARIS/GateView real-time display provides an intuitive, easy-to-use graphical interface that displays high-level, up-to-the-minute status information in a bar-chart format automatically, without user interaction, on large wall-mounted information displays, PCs, and mobile devices.

Detailed operations information available on demand. The ARIS/GateView real-time display provides detailed information about flights, flight status, and ground operations when you scroll through the GateChart and when you position your pointer over flight bars. You can view detailed information quickly, without entering commands.

Up-to-the-minute view of operations. The ARIS/GateView real-time display automatically updates information periodically and at intervals you choose. You always have immediate access to timely information about flights, flight status, aircraft types, stand assignments, tows, inoperative stands, passenger counts, and flight remarks.

Visual alerts signal status changes and problems. The ARIS/GateView real-time display uses color, icons, and graphical devices to alert you to changes involving flights, flight status, and ground operations. Easily recognizable visual devices communicate important information in noisy environments.

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Ability to change estimated IN times and OUT times. The ARIS/GateView real-time display enables you to change estimated IN times and OUT times by dragging the ends of flight bars to new positions in the GateChart.

Ability to filter the information displayed. You can choose the stands displayed in the GateChart and the order in which they appear.

Ability to view flight-related web pages. When you select a flight bar, you can view additional information, such as your organization's web-based information related to the particular flight and weather information.

Ability to view standard reports and to create custom reports that display information stored in the ARIS/SmartBase database. We can create custom reports for you, and you can create your own custom reports using the ARIS/Reports™ data analyzer, a companion tool.

Customizable user interface. You can choose the way the product displays information to you so it matches the way you prefer to work. For example, you can choose GateChart colors and grid size, the time range, and the information displayed. Once you enter your display preferences, the system remembers them until you change them.

Collaborative decision-making. The ARIS/GateView real-time display supports team decision-making, ensuring all users share a consistent current view of operations. You can discuss possible solutions with other users before you commit to changes

Web-enabled for cost-effective rapid and wide deployment. You gain access to the ARIS/GateView real-time display through Ascent's From Touchdown to Takeoff® cloud-hosted service, a secure, highly-available, and readily-expandable platform. When you subscribe to the service, you can gain access Ascent's entire suite of products, including the ARIS/GateView real-time display, using a standard browser directly from your network without any need to install, maintain, and support on-premise hardware and software. We can readily adjust available computing power to meet your organization's changing needs, and you can easily expand your solution to accommodate additional users and to manage additional resources, facilities, and locations.

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Services to help you maximize the benefits of Ascent solutions

Advisory and consulting services. Ascent advises about resource allocation, optimization, planning, scheduling, management, and deployment methodologies; develops cost-benefit analyses; analyzes business processes; and gathers and develops technical requirements and functional specifications.

Project-management services. Ascent's project-management team works closely with you, following time-proven delivery methodologies, and uses face-to-face meetings, teleconferences, web conferences, and email exchanges to keep you informed every step of the way. Ascent believes careful collaborative project management is the key to successful on-time and on-budget deliveries of Ascent's solutions.

Knowledge-engineering services. Knowledge engineering is the process of identifying your business knowledge—the business rules, policies, procedures, preferences, reference information, and requirements that guide the way your organization operates—and then codifying your business knowledge into rules stored in the knowledge base at the heart of the Ascent solutions. Your business knowledge, stored in the knowledge base, determines how the solutions behave. Ascent's knowledge engineers work with you to ensure the solution behaves just as you want it to.

Implementation, integration, and cloud-hosting services. Ascent's implementation team provides system integration and testing services, and develops product extensions, enhancements, and connectivity software for importing data to and exporting data from external systems. Ascent's implementation team also sets up, monitors, and maintains highly secure and reliable AWS hosting environments for the Ascent solutions you rely on, customized to meet your organization's need for redundancy and performance.

Training services. Ascent offers a wide range of user, administrator, trainer, and refresher training classes at your location, at Ascent's Boston, MA, headquarters, and remotely over the web. Ascent also offers operational training services remotely when you begin to use an Ascent solution in production.

Maintenance and support services. Ascent offers maintenance and technical support services for Ascent's solutions around the clock. Ascent provides comprehensive remote support services via telephone, email, web conference, and Internet; software maintenance, such as product updates, patches, and releases; and cloud-hosted environment monitoring, tuning, and switchover. Ascent's web-based ticket system enables you to request service, report problems, track issues day and night, and communicate with the Ascent support team.

Who we are

Since our founding 40 years ago by members of the Massachusetts Institute of Technology Artificial Intelligence Laboratory, Ascent has helped organizations deploy costly resources as efficiently, effectively, and economically as possible. Our highly trained and capable team of technologists, problem solvers, and solution designers has broad domain expertise and substantial experience in artificial intelligence, computer science and engineering, system design, mathematical optimization, operations research, and resource optimization, planning, scheduling, and management. To learn more about how Ascent can help you optimize your resources to greatest advantage, send an email to sales@ascent.com or call our Sales and Marketing team at +1.617.395.4800.

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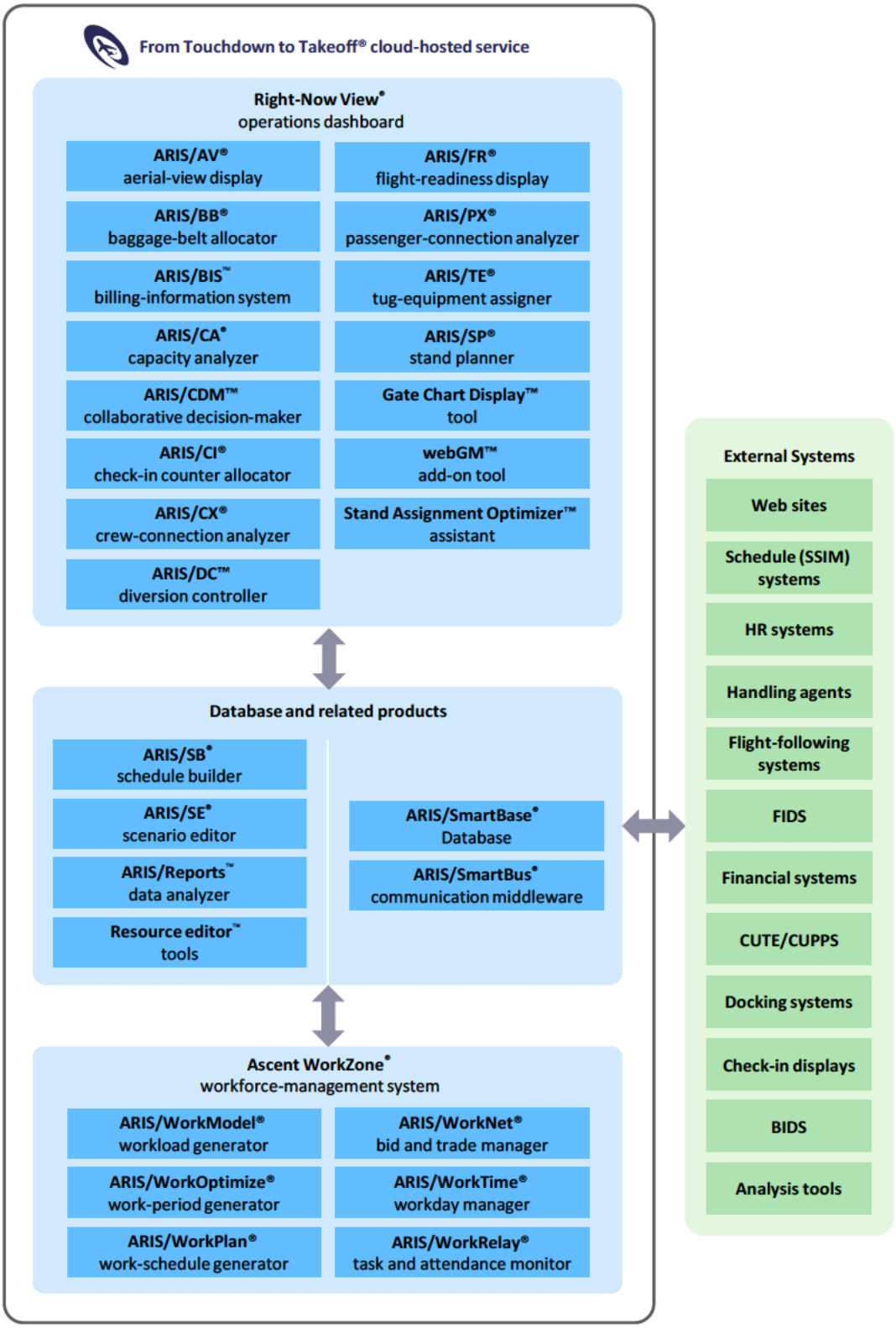
Ascent Resource Information System® solutions



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From Touchdown to Takeoff® cloud-hosted service

Solutions for airline and airport resource optimization, planning, scheduling, and management

A standard web browser, such as the Google Chrome™ browser or the Microsoft Edge™ browser, enables access to Ascent Technology's cloud-hosted solutions. The From Touchdown to Takeoff service requires a minimum resolution of full HD (FHD).

Airport Operational Database (AODB)	Central database
ARIS/SmartBase® database Includes one or more of the following tools:	Integrates, coordinates, disseminates, and maintains planning, operations, and historical information for resource and workforce management
• Location Editor™ tool	Manages the location hierarchy and records used to plan, schedule, and manage workload, workers, and tasks
• Planning Control™ tool	Manages work-schedule planning
• Profile Editor™ tool	Manages passenger-arrival profiles for departure flights
• Reference Editor™ tool	Manages reference-information records that determine how the Ascent Technology products, applications, and tools behave
• Rule Editor™ tool	Manages scenarios, rule groups, and rules for workforce management
• Template Worker Editor™ tool	Manages template worker records used to plan workload
• Update Control™ tool	Manages settings that block external systems from updating information in specified database fields
• User Editor™ tool	Manages user access to the products, applications, and tools
• User Group Editor™ tool	Manages user-group access to pre-set configurations and automated distribution of email and messages
• Worker Editor™ tool	Manages worker-related information and records
ARIS/Reports™ data analyzer	Produces reports based on plan, actual, and historic information
ARIS/SB® schedule builder (with ARIS/LegGen® flight-leg generator and ARIS/SL® schedule loader)	Creates, manages, and distributes flight-schedule and day-of-operation flight information; creates flight legs; and loads and stores SSIM flight data
ARIS/SE® scenario editor	Specifies and manages airport-resource rules and scenarios
ARIS/SmartBus® communication middleware	Enables information exchange between the ARIS/SmartBase database and external systems

Ascent WorkZone® workforce manager	Workforce optimization and management for mission-critical environments
ARIS/WorkModel® workload generator	Forecasts workload based on expected demand
ARIS/WorkNet® bid and trade manager	Worker self-service tool for managing work schedules
ARIS/WorkOptimize® work-period generator	Determines how many workers are needed and when they are needed
ARIS/WorkPlan® work-schedule generator	Creates work lines for full-time and part-time workers
ARIS/WorkRelay® task and attendance monitor	Provides task-assignment information to workers in real time
ARIS/WorkTime® workday manager	Assigns work, breaks, and locations to workers dynamically in real time

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Right-Now View® operations dashboard	Dashboard to plan, schedule, and manage airline and airport resources and operations
ARIS/AV® aerial-view display	Displays real-time aircraft parking-assignment information on an airport aerial view
ARIS/BB® baggage-belt allocator	Plans and allocates baggage make-up and reclaim belts
ARIS/BIS™ billing-information system	Tracks usage-based ground fees
ARIS/CA® capacity analyzer	Plans, analyzes, and manages airport capacity and resources
ARIS/CDM™ collaborative decision-maker	Enables collaborative decision-making with support from Ascent's powerful advanced AI and optimization algorithms
ARIS/CI® check-in counter allocator (with ARIS/IQ® queue manager)	Plans, assigns, and manages ticket counters and kiosks
ARIS/CX® crew-connection analyzer	Shows how flight delays and cancellations affect connecting flight crews
ARIS/DC™ diversion controller	Tracks system-wide flight diversions, providing real-time status of diverted flights to diversion stations
ARIS/FR® flight-readiness display	Provides status of tasks and activities related to arrivals and departures
ARIS/PX® passenger-connection analyzer	Shows how flight delays and cancellations affect connecting passengers
ARIS/SB® schedule builder (with ARIS/LegGen® flight-leg generator and ARIS/SL® schedule loader)	Creates, manages, and distributes flight-schedule and day-of-operation flight information; creates flight legs; and loads and stores SSIM flight data
ARIS/SP® stand planner	Plans parking-position assignments for schedule periods
ARIS/TE® tug-equipment assigner	Manages aircraft tows, assigns tugs to tows, and displays tow status
Gate Chart Display™ tool	Manages day-of-operation parking assignments with manual entry using basic scenarios and rules
Gate Chart Display with webGM™ add-on tool	Plans and manages day-of-operation parking assignments with automated assistance using business rules and intelligent scenarios
Gate Chart Display with webGM add-on tool and Stand Assignment Optimizer™ assistant	Plans and manages day-of-operation parking assignments with automated assistance using business rules and intelligent scenarios, and resolves future parking-assignment problems caused by delays, swaps, and cancellations in compliance with business rules

ARIS, ARIS/AR, ARIS/AV, ARIS/BB, ARIS/CA, ARIS/CI, ARIS/CX, ARIS/FR, ARIS/FW, ARIS/GateView, ARIS/GM, ARIS/IQ, ARIS/PX, ARIS/SA, ARIS/SB, ARIS/SE, ARIS/SL, ARIS/SmartBase, ARIS/SmartBus, ARIS/SP, ARIS/TE, ARIS/Tow Panel, ARIS/WorkModel, ARIS/WorkNet, ARIS/WorkOptimize, ARIS/WorkPlan, ARIS/WorkRelay, ARIS/WorkTime, Ascent Resource Information System, Ascent Technology, Inc. (stylized), Ascent WorkZone, Ascent WorkZone (stylized), From Touchdown to Takeoff, Right-Now View, SmartAirline, SmartAirline Capacity Analyzer, SmartAirline Information Manager, SmartAirline Operations Center, SmartAirline Operations Manager, SmartAirline WorkZone, SmartAirport, SmartAirport Capacity Analyzer, SmartAirport Information Manager, SmartAirport Operations, SmartAirport Operations Center, SmartAirport Operations Manager, SmartAirport WorkZone are registered trademarks of Ascent Technology, Inc., in the United States.

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