

## 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 airport's 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®, the secure central database and knowledge repository for the ARIS products. Typically, the ARIS/GateView real-time display is used in conjunction with the ARIS/GM® gate-management system, the ARIS/SB® schedule builder, and automated data feeds from external systems.

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

- View past, current, and future stand operations at the airport on an intuitive bar chart
- View dynamic information about flights, flight status, aircraft types, stand assignments, tows, inoperative stands, passenger counts, flight remarks provided by the ARIS/GM gate-management system 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 need to see
- View a history of recent changes to flights and inoperative stands
- View, enter, and modify flight remarks that are visible to other users of the ARIS/GateView real-time display and to users of the ARIS/GM gate-management system and the ARIS/SB schedule builder
- Change the estimated IN times and OUT times of flights
- View web pages related to the airport and airline operations
- Create and print custom hardcopies of the GateChart.

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## Who we are

Since our founding more than 30 years ago by members of the Massachusetts Institute of Technology Artificial Intelligence Laboratory, Ascent Technology 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.

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The ARIS/GateView real-time display uses an intuitive bar chart format, called the GateChart, to represent your stand operations. 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 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 is 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 on a bar chart automatically, without user interaction, on large wall-mounted information displays, PCs, and mobile devices.

**Detailed operations information is 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.

**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 flight and weather information.

**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.

**Web-enabled for cost-effective rapid and wide deployment.** You can gain access to the ARIS/GateView real-time display using a standard web browser, and you can provide access to the ARIS/GateView real-time display through secure Internet links and local networks.

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### More information

To learn more about how Ascent Technology solutions can help you optimize your resources to greatest advantage and to schedule a demonstration of our products, send email to [sales@ascent.com](mailto:sales@ascent.com) or call our Sales and Marketing department at +1.617.395.4800.

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## Reports

You can print hardcopies of the GateChart from the ARIS/GateView real-time display.

The ARIS/GateView real-time display stores information in the ARIS/SmartBase database, which runs on the Oracle® database.

We can create reports for you, and you can create your own reports from a synchronized reporting database using Oracle-compatible report-generator tools, without interfering with the integrity or performance of the ARIS/SmartBase database.

## Ways we can help you

**Advisory and consulting services.** We provide unbiased advice about resource allocation, optimization, planning, scheduling, management, and deployment methodologies; develop cost-benefit analyses; analyze business processes; manage projects; gather and document technical requirements; develop functional specifications; and specify hardware, software, and devices.

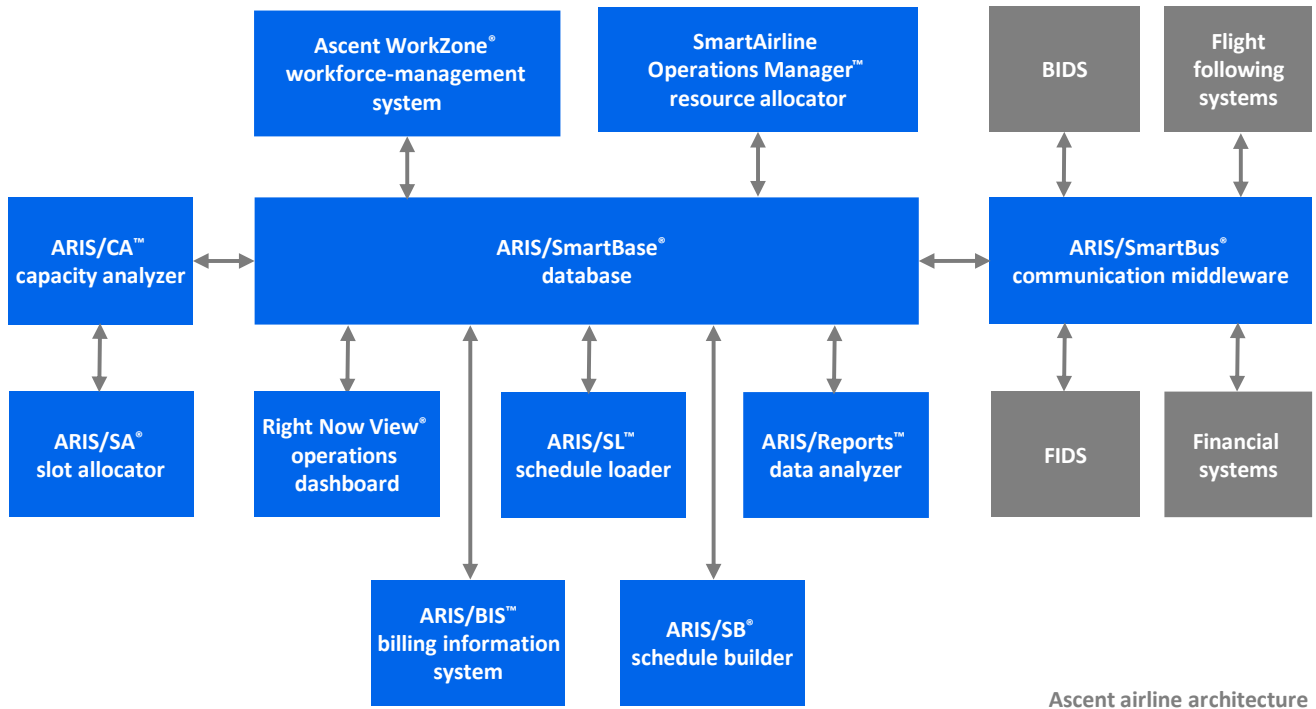
**Project management services.** Our project management team works closely with you, following our time-proven delivery methodology, and uses face-to-face meetings, teleconferences, web conferences, and email exchanges to keep you informed every step of the way. We believe careful project management is the key to successful on-time and on-budget deliveries of SmartAirline Operations Center and SmartAirport Operations Center products, services, and solutions.

**Knowledge engineering services.** Knowledge engineering is the process of identifying your business knowledge—the business rules, policies, procedures, preferences, and requirements that guide the way your organization operates—and then codifying your business knowledge in the knowledge base at the heart of SmartAirline Operations Center and SmartAirport Operations Center solutions. The business knowledge in the knowledge base determines how the solutions behave. Our knowledge engineers work with you to gather and enter the business knowledge that enables the solution to behave exactly the way you want it to.

**Implementation, integration, and installation services.** Our implementation team provides system integration and testing services; develops product extensions, enhancements, and connectivity software for importing data to and exporting data from external systems; and creates reports. The team also configures, installs, and tests hardware, software, and equipment for you when you choose to install the SmartAirline Operations Center or the SmartAirport Operations Center solutions in your IT environment, and quickly sets up an environment in our hosting center for you when you choose to gain access to the solutions over the web.

**Training services.** We provide a wide range of user, administrator, trainer, and refresher training classes in person at your location, at our Cambridge, MA, headquarters, and remotely over the web. We also provide operational training services in person and remotely when you begin to use the SmartAirline Operations Center or the SmartAirport Operations Center solutions in production.

**Maintenance and support services.** We offer Standard Support Services Monday through Friday during our normal office hours in Cambridge, MA, and Premium Support Services around the clock. Both provide comprehensive remote support services via telephone, email, and Internet, as well as software maintenance, such as product updates, patches, and releases. We provide a web-enabled support portal that enables you to ask questions and receive responses, request service, report problems, and track issues.



Ascent airline architecture



## Technology Platform

You can gain access to the SmartAirline Operations Center or SmartAirport Operations Center solutions in two ways: you can integrate the solution into your own IT environment, or you can gain access over the Internet to the solution running on Amazon Web Services (AWS) platform.

Ascent Technology Products	Your own IT environment			Amazon Web Services (AWS) platform
	Server	Client desktop	Web browser	
	Server: Microsoft® Windows® Server™ 2012 or 2016 operating system or Red Hat® Enterprise Linux 7; if virtualized, our solutions are certified to run on VMware® server virtualization products  Database: Oracle 12C SE2  Desktop: Windows 7, 8 or 10 with 4GB of RAM  Browser: Latest Microsoft Edge, Google Chrome or Mozilla Firefox  Minimum internet access for remote support: 512 kbps			Browser: Latest Microsoft Edge, Google Chrome or Mozilla Firefox; Internet connection (1 Mbps or better)
ARIS/AV® aerial-view display	✓		✓	✓
ARIS/AR® aircraft-routing system	✓	✓		
ARIS/SmartBase® database (including Resource Editors)	✓			
ARIS/BB® baggage-belt allocator	✓	✓		✓
ARIS/BIS™ billing information system	✓		✓	✓
ARIS/CI® check-in counter allocator		✓		✓*
ARIS/CX® crew-connection analyzer			✓	✓
ARIS/GateView® real-time display	✓	✓		✓
ARIS/GM® gate manager		✓*		✓*
Right Now View® operations dashboard	✓		✓	✓
ARIS/PX® passenger-connection analyzer	✓		✓	✓
ARIS/Reports™ data analyzer	✓		✓	✓
ARIS/SB® schedule builder	✓	✓	✓	✓
ARIS/SL™ schedule loader	✓		✓	
ARIS/SmartBus® communication middleware	✓			
ARIS/SP® stand planner		✓*		✓*
SmartAirline/SmartAirport Capacity Analyzer strategic planner	✓		✓*	✓*

Ascent WorkZone® workforce management system	✓	✓*	1200x768 minimum resolution for ARIS/WorkNet® bid and trade manager
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\*Minimum display resolution (pixels): 1600 x 1200

ARIS, ARIS/AR, ARIS/AV, ARIS/BB, ARIS/CI, ARIS/CX, ARIS/FW, ARIS/GateView, ARIS/GM, ARIS/IQ, ARIS/LegGen, ARIS/PX, ARIS/SA, ARIS/SB, ARIS/SE, ARIS/SL, ARIS/SmartBase, ARIS/SmartBus, ARIS/SP, ARIS/Tow Panel, ARIS/WorkModel, ARIS/WorkNet, ARIS/WorkOptimize, ARIS/WorkPlan, ARIS/WorkRelay, ARIS/WorkTime, Ascent Technology, Inc. (stylized), Ascent WorkZone, Ascent WorkZone (stylized), GateKeeper, Right Now View, SmartAirline, SmartAirline Capacity Analyzer (stylized), SmartAirline Operations Manager (stylized), SmartAirline WorkZone, SmartAirline WorkZone (stylized), SmartAirport, Smartairport.com, SmartAirport Capacity Analyzer, SmartAirport Capacity Analyzer(stylized), SmartAirport Information Manager, SmartAirport Information Manager(stylized), SmartAirport Operations, SmartAirport Operations Center, SmartAirportOperations Manager, SmartAirport Operations Manager (stylized), SmartAirport WorkZone, and SmartAirport WorkZone (stylized) are registered trademarks of Ascent Technology, Inc., in the United States.

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