Headquarters
Ascent Technology, Inc.
101 Federal Street, 19th Floor
Boston, MA 02110 USA

Mailing address
Ascent Technology, Inc.
PO Box 51435
Boston, MA 02205-1435 USA

Telephone: +1.617.395.4800
email: sales@ascent.com
www.ascent.com

ARIS/SP® stand planner

Plan gate, stand, and parking-position assignments for complete schedule periods

The ARIS/SP stand planner plans gate, stand, and remote parking-position allocations for all days in a seasonal flight schedule.

With the ARIS/SP stand planner, you can:

- Create seasonal aircraft parking-assignment plans in which flights are assigned to the same parking positions for the schedule period
- Create plans based on the same flight-schedule information stored in the ARIS/SmartBase® database used by other Ascent Technology air-transportation products
- Identify and resolve conflicts between needed and actual gate, stand, and parking-position resources
- Provide plans that guide the Gate Chart Display™ tool in the Right-Now View® operations dashboard in assigning parking positions prior to the day of operation
- Ensure that weekly and/or week-to-week parking-position assignments are consistent
- Specify the balance between consistent day-to-day parking assignments and parking assignments optimized for a specific day
- Create seasonal parking-position plans automatically

Copyright © 2026 Ascent Technology, Inc. All rights reserved. www.ascent.com

Plan week and day-of-the-week parking position schedules

If your flight operations are much the same from day to day, the ARIS/SP stand planner can create a weekly plan that assigns consistent parking positions to flights on each day of the week and from one week to the next. If your flight operations vary from day to day, the ARIS/SP stand planner can create a plan for weekdays, for weekends, and for each day of the week so that one plan is used for all Mondays, another for Tuesdays, and so on. The ARIS/SP stand planner maintains consistent parking assignments insofar as possible.
In both cases, you can load the plan into the ARIS/GM gate manager to pre-allocate parking positions prior to the day of operation. If a parking assignment planned by the ARIS/SP stand planner is not appropriate, for example because of an aircraft-type change on the day of operation, the Gate Chart Display tool automatically corrects the assignment.

The planning capabilities of the ARIS/SP stand planner are not limited to a single airport. It can generate plans for any number of airports affected by a given flight schedule. Because it stores all plans in the ARIS/SmartBase database, the ARIS/SP stand planner can create a report that pinpoints when and where schedule conflicts exist and resources are exceeded.

Analyze flight schedules in detail

As the ARIS/SP stand planner creates parking-assignment plans, it produces information you can use to analyze flight schedules. For example, the ARIS/SP stand planner identifies schedule conditions, such as flight legs that do not match turns, turns that do not match flight legs, and imbalances at airports in multi-airport systems, and automatically stores information about the conditions in the ARIS/SmartBase database.

Use the same business knowledge that drives the Gate Chart Display tool

The ARIS/SP stand planner makes planning decisions using the same business rules and flight-schedule information stored in the ARIS/SmartBase database that the Gate Chart Display tool uses to make operations decisions. Using airport models stored in the database, the ARIS/SP stand planner creates parking-assignment plans that accurately reflect physical changes to the airport, such as construction that prevents particular aircraft types from parking at particular positions.

Representative features

Parking assignments available at a glance. The ARIS/SP stand planner provides an easy-to-use graphical user interface that displays parking positions in a bar-chart format, similar to the Gate Chart Display tool bar chart.

Shared knowledge base. The ARIS/SP stand planner makes long-term planning decisions using the same knowledge base used by the Gate Chart Display tool to make short-term planning and day-of-operation assignments.

Automatic conflict identification. The ARIS/SP stand planner automatically identifies conflicts between flight-schedule requirements and available airport resources.

Copyright © 2026 Ascent Technology, Inc. All rights reserved. www.ascent.com

Seasonal schedule period allocation. The ARIS/SP stand planner creates parking assignments for all days or for a user-selected subset of days in the schedule period. It provides consistent parking plans from day to day, ensuring consistent week and week-to-week plans.

What-if analyses. You can create multiple plans for the airport, and each plan can use different business rules and physical layouts. This makes it easy to determine the effect of construction, renovations, preferences, and business-rule changes on the stand plan. It also makes it easy to understand how future changes, such as facility construction projects, affect flight operations.

Automatic handling of varying turns. Links between arrivals and departures often vary during a schedule. The ARIS/SP stand planner recognizes the changes and combines relevant information into a single assignment that covers flight variations.

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.

Collaborative decision-making. The ARIS/SP stand planner 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/SP stand planner 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/SP stand planner, 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 easily expand your solution to accommodate additional users and to manage additional resources, facilities, and locations.

Copyright © 2026 Ascent Technology, Inc. All rights reserved. www.ascent.com

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.

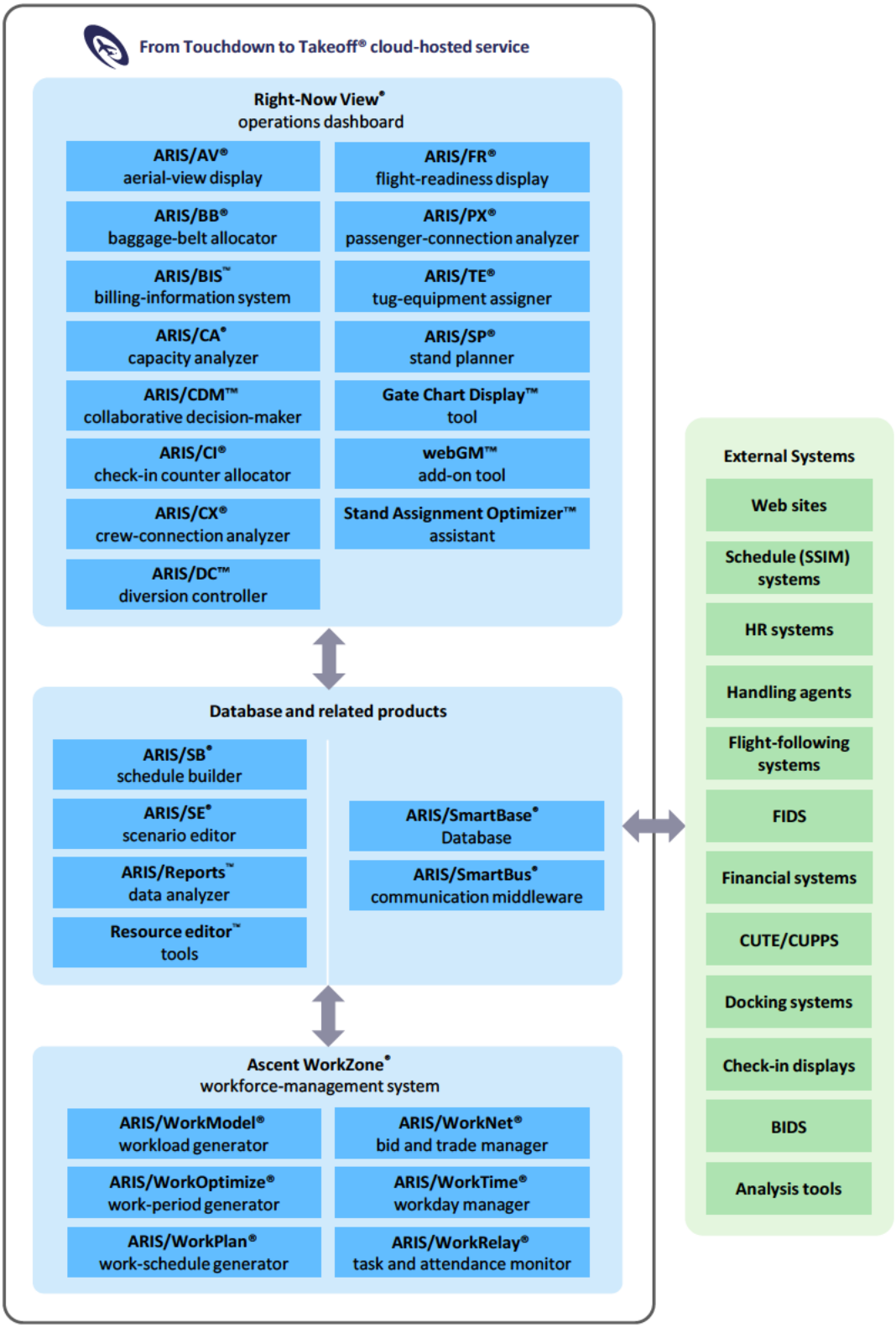
Maintenance and support services. Ascent offers maintenance and technical support services for Ascent's solutions around the clock. Ascent provides comprehensive remote support services via telephone, email, web conference, and Internet; software maintenance, such as product updates, patches, and releases; 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.

Copyright © 2026 Ascent Technology, Inc. All rights reserved. www.ascent.com

Ascent Resource Information System® solutions



Copyright © 2026 Ascent Technology, Inc. All rights reserved. www.ascent.com

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

Copyright © 2026 Ascent Technology, Inc. All rights reserved. www.ascent.com

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.

Active Schedules, Advanced Pay Rule System, ARIS/AR Display Board, ARIS/LegGen, ARIS/AR Turn Generator, ARIS/BB Change History, ARIS/BIS, ARIS/BX, ARIS/CDM, ARIS/CTS, ARIS/DC, ARIS/DS, ARIS/Reports, ARIS/SDS, Ascent WebConnect, Change History, Extended Flight View Dashboard, Flight Data Dashboard, Flight Filter Manager, Gate Chart Display, GateKeeper, Location Editor, Planning Control, Planning Schedules, Profile Editor, Query Editor, Reference Editor, Resource Editor, Rule Editor, Stand Assignment Optimizer, Stand Control, Template Worker Editor, Tow-Data Web Service, Update Control, User Editor, User Group Editor, webGM, webSB, Work Schedule Manager, and Worker Editor are trademarks of Ascent Technology, Inc., in the United States.

This is not a complete list of all registered trademarks, trademarks, and service marks owned by Ascent Technology, Inc. See www.ascent.com/trademarks.html for information. Other company, product, and service names may be registered trademarks, trademarks, or service marks owned by other parties.

Ascent Technology Software is the Confidential Information of Ascent Technology, Inc., and is available only under the terms of a license or grant of rights provided by Ascent Technology, Inc. Ascent Technology Software may be covered by one or more U.S. patents and/or pending patent applications. See www.ascent.com/patents.html for information. Ascent Technology, Inc., solutions may use software components developed by open-source projects. For information, send email to legal@ascent.com. Revised August, 2026.