AVIATION DIGITAL SOLUTIONS

Airport Management

Streamline operations to reduce costs

Airport Management is a suite of solutions that provides flexible resource and gate management using optimization. It increases operational efficiency, decreases costs and improves the customer experience. Boost employee satisfaction and automate your processes with optimized gate assignment, allocation and tracking.
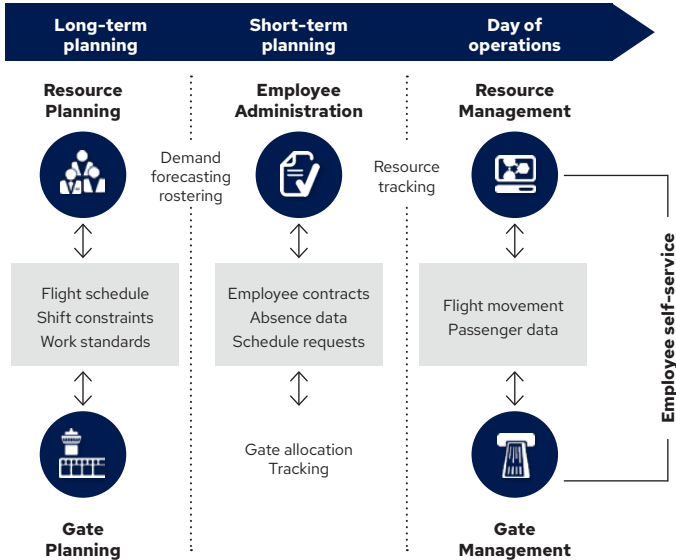
Key benefits

- Reduce fuel burn and aircraft hold times;
- 3-5% increase in utilization of aircraft parking positions
- Eliminate manual processes associated with gate management
- Enables quick, accurate what-if scenario analysis
- Proactive decision support and alerts to help mitigate disruptions during irregular operations
- Manage ongoing schedule changes and monitor compliance
- Push information to frontline employees so staff is in the right place at the right time
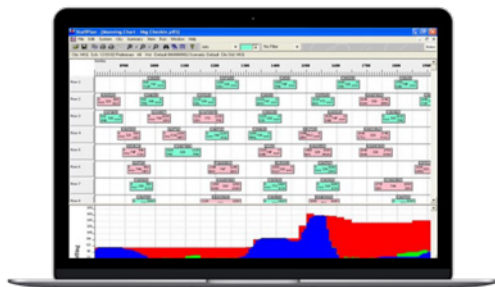

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Airport Management

Airport Management allows airlines to realize powerful benefits. Labor costs can be reduced up to 25% and staff utilization improved by up to 7%. Not only that, flight delay costs can be cut by as much as 5%, gate use improved by up to 20% and gate coordinator usage decreased by as much as 50%.

Staff Planner

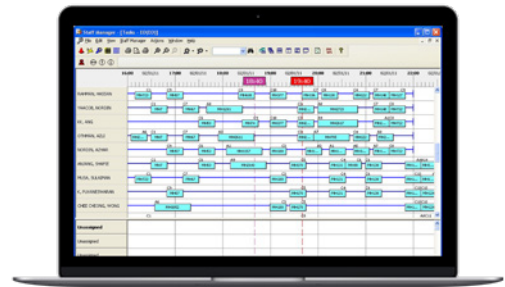Advanced algorithms to determine staffing requirements.

- Combines Station Management, Human Resources and Financial Planning
- Graphical display of detailed demand requirements and shift coverage
- Historical display of passenger data – actual and connecting, baggage, mail and freight
- Scenario management tool for "What-If" analysis

Staff Manager

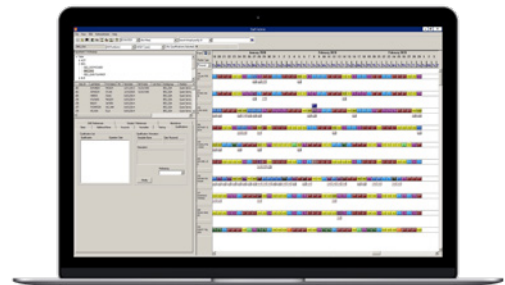Better manage day of operation staffing challenges.

- Real-time task communication and reallocation (including wireless handheld support)
- Delayed or cancelled flights, weather impacts
- Sick or absent staff (either on training or on other projects)

Staff Admin

Complete and end-to-end employee administration solution for airline/aviation operations.

- Managing employee details, contracts, account and payroll details
- Complete web-based employee self-service solution
- Capabilities for shift and vacation bidding capabilities

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Roster Maker

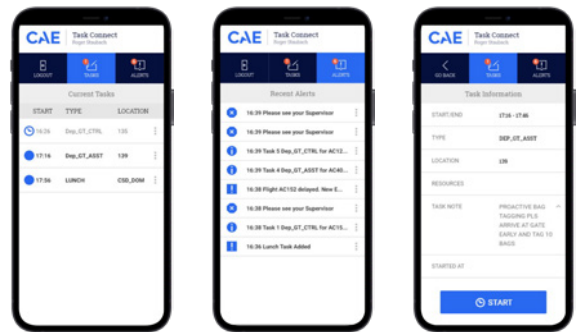Optimization based roster generation that covers all tasks but minimizes unproductive time.

- Organizational representation of business units, departments, workgroups
- Color-coded representation of shifts, days off and roster pattern
- Tactical planning and graphical decision support for 'what-if' analysis
- Plan expected coverage and overtime requirements
- Summary report of options used to develop a roster and statistical data
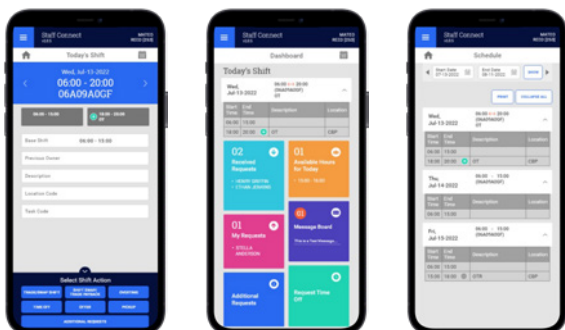
Task Connect

Self service on any device.

- Ensure employees know where to be, when to be there, and what needs to be done
- Enable two-way communication of task status for complete operational visibility
- Key operational information to keep your employees ahead of the passenger

Staff Connect

Self service on any device.

- Enable employees to manage their schedule from anywhere
  - View scheduled time
  - Request trades and swaps with other employees
  - Request Overtime
  - Request Time off or other absences
- Automation through user defined rules ensures labor compliance with no administrative oversight

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Gate Manager

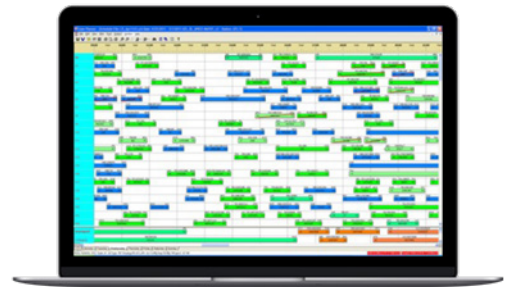Better manage day of operation gating challenges.

- Identify potential problems and alternative solutions
- Create what-if analyses to examine the effects of schedule changes, adding gates and closing gates
- Reduce fuel burn by minimizing arrival aircraft gate waiting time
- What-if analyses to plan for future aircraft banks

Gate Planner

Assign more feasible, efficient gate assignments to existing schedules.

- Graphical presentation of the 7-day gate schedule and flight status
- Create what-if analyses to examine the effects of schedule changes, adding gates and closing gates
- Generate gate assignments using sophisticated algorithms
- Scenario management enables multiple what-if scenarios to be examined for the best solution
- Gate assignment for optimal assignment of flights

For more information
cae.com/flight-operations-solutions

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