RMS

we optimize your resources

TAV | TECHNOLOGIES
THE FUTURE IS UNDER OUR WINGS

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RMS

✈ TAV TECHNOLOGIES RMS (RESOURCE MANAGEMENTSYSTEM)

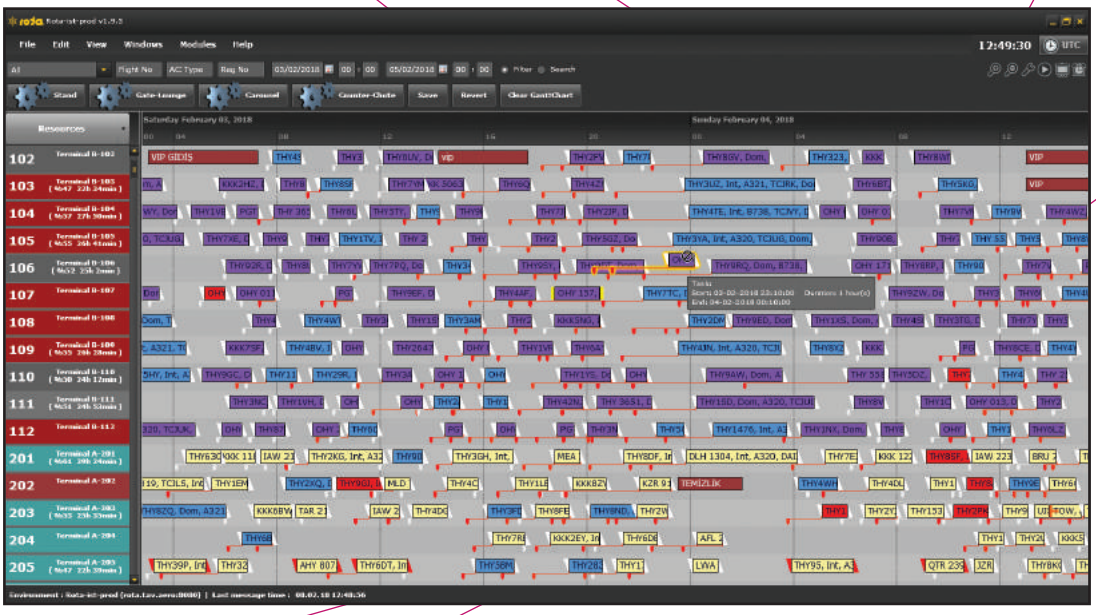
✈ ACCESSIBLE, PRACTICAL OPERATIONAL MANAGEMENT

TAV TECHNOLOGIES RMS is the key to effective planning of airport operations. The system provides improved passenger service levels and more efficient use of airport resources through better planning and the optimum assignment of resources.

The management of critical assets is crucial to the maximum effectiveness of airport operations. The TAV TECHNOLOGIES RMS system has advanced optimization capabilities, which have been developed in cooperation with academics in the field using extensive mathematical modeling and optimization algorithms, thereby ensuring flawless resource allocation and increased utilization of resources.

TAV TECHNOLOGIES RMS is comprised of the following modules that can be installed either in their entirety or on an individual, modular basis:

- Stand and Gate Management
- Check-in Desk Management
- Carousel Management
- Chute Management

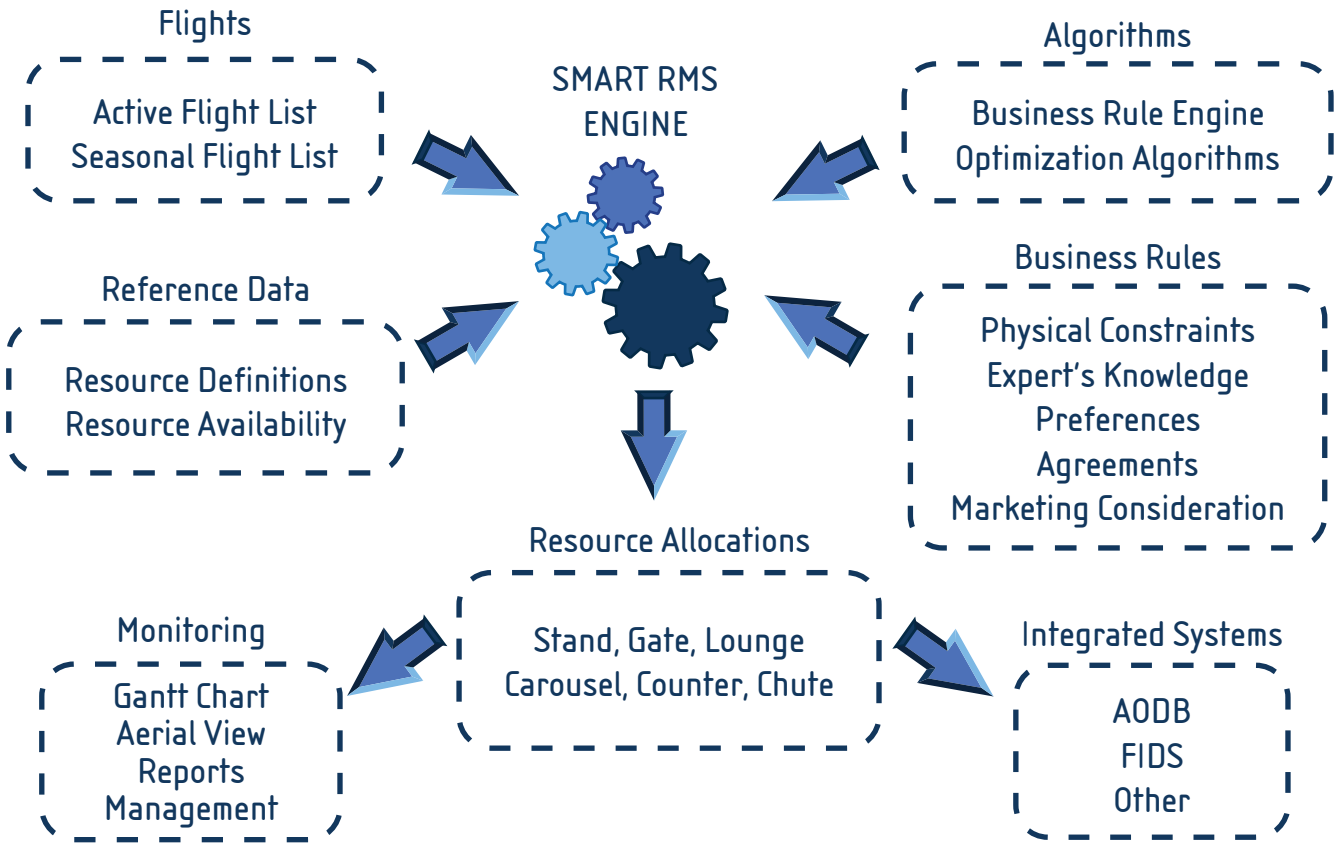


✈ APPLICABLE OPTIMIZED RESOURCE ALLOCATION

TAV TECHNOLOGIES RMS offers extensive flexibility and can be configured to implement numerous business rules and processes. The business logic of the system is consistent and reflects phases of the operation process comprehensively. Any rules/constraints (operational, financial or preference-based) with logical combinations and weightings can be defined, thereby enabling users to model a variety of scenarios and business cases to obtain ideal and applicable resource allocation plans.

✈ FACILITATED DECISION MAKING

The advanced GUI features of TAV TECHNOLOGIES RMS support users in their decision-making processes. Informative visual indicators, easy-to-notice warnings and color-coded resources and flights based on rules and configurations guide users to be able to find the best solution quickly in time-critical operational cases.



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✈TAV TECHNOLOGIES RMS KEY FEATURES AND BENEFITS

✈Seasonal (Strategic), Short-Term (Tactical) and Ad-Hoc (Operational) Planning

- Increases operational planning productivity, delivering higher levels of passenger and airline satisfaction
- Virtual flight management to evaluate ad-hoc slot requests
- An advanced decision support tool with automatic or semi-automatic advisory mechanisms in order to manage ad-hoc changes during operation
- Permits long-term strategic planning
- Repetitive allocation method for seasonal allocation; The resource allocation runs for one week, and the assignments of the associated week are applied to the rest of the season
- Discrete Allocation Based on the Capacity Check to maximize the utilization of resources for the short and long term planning; All flights are evaluated separately throughout the selected date range and the existing allocations are taken into account.

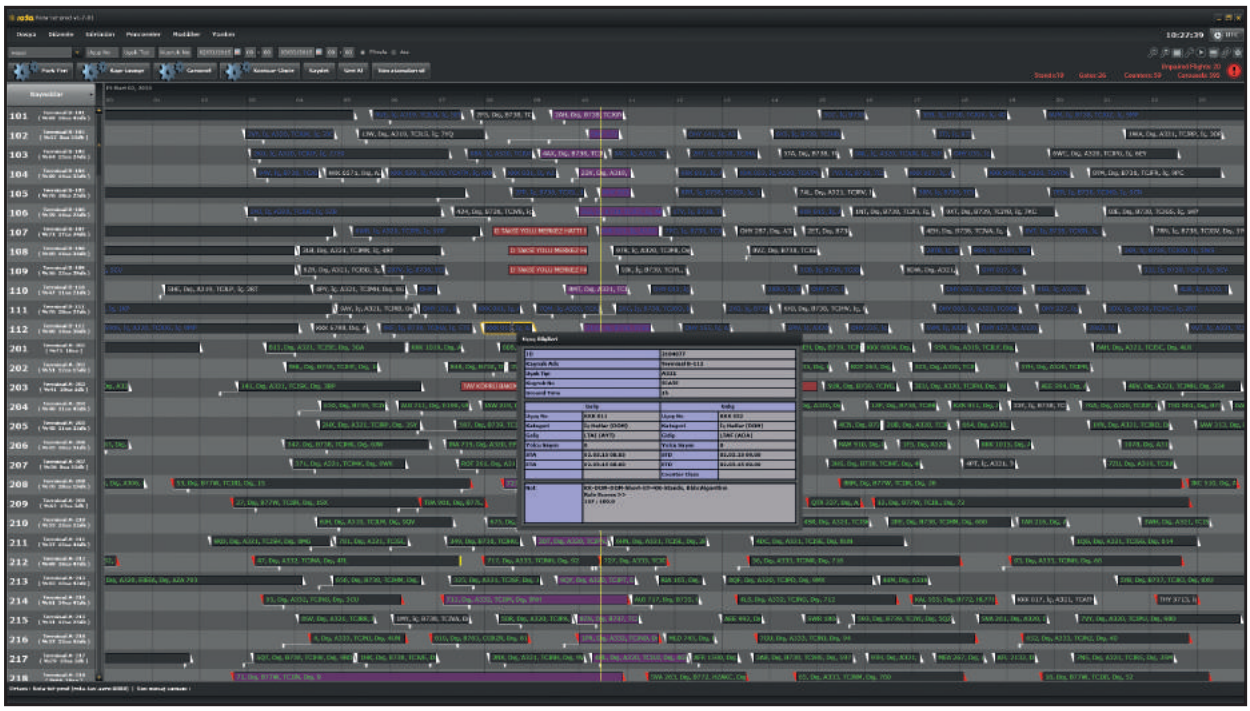
✈ Flexible Rule Management Functionalities

- Fast and reliable engine for ensuring successful automatic allocation and optimization
- Flexibility to define any rule/constraints with logical combinations for every resource type
- Dynamic Resource Usage Duration definitions for relevant resource types allow realistic resource planning

✈ User-configurable GUI

- Highly flexible, intuitive graphic interface and customized modeling
- Aerial View of operation at apron by timeframe
- Customizable reporting capabilities
- Informative visual indicators
- Easy-to-notice warnings and alerts
- Color-coded resources and flights based on rules and configurations

Always There For You



Substantial reductions in operational costs

- Reduces manual work and increases efficiency
- Allows airports to maximize the utilization of higher-value resources
- Allows for smooth planning and operation with its advanced integration capabilities

Intelligent rule-based conflict management and error handling capabilities

- Advanced conflict management and intelligent resolution adjustments
- Real-time automated scheduling dramatically reduces the number of operational errors
- Notifications provide at a glance awareness about required actions and flight changes
- Increases service levels throughout the airport

Easy-to-manage resource unavailability circumstances

- Planned or mandatory ad-hoc maintenance management
- Manages ad-hoc unavailability of resources by integrating with relevant systems

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✈WHY TAV TECHNOLOGIES RMS?

- **Flexibility:** The system is flexible and can implement numerous business rules and processes for both seasonal and operational planning periods, thereby improving adherence to SLAs.
- **Consistent Business Logic:** The business logic of the system is consistent and can reflect operation phases comprehensively.
- **Optimized Allocation:** An optimization algorithm provides the best-fit solution in accordance with configured rules and weightings, thereby helping airports achieve an efficient use of their resources.
- **Reliability:** The system always runs in synchronization with integrated systems. Reliability of data is ensured across all systems.
- **Scalability:** The system is highly scalable: it has been successfully used worldwide at all different airport sizes.
- **Robustness:** The TAV TECHNOLOGIES RMS solution is used in a range of airports, from local and small-scale to major hubs that serve as base airports for large international airlines. Its competence ensures that the operations run smoothly any size airport without any limitations.






✈WHAT TAV TECHNOLOGIES RMS USERS SAY

"The increasing amount of air traffic makes it harder to achieve operational efficiency at airports. Delays and therefore the cost of operation are continuously increasing for every stakeholder involved in the airport ecosystem. **TAV TECHNOLOGIES RMS** helps us utilize our resources optimally in this highly constrained environment, and we are succeeding in satisfying our customers and reducing operational costs thanks to the extensive features of the system."

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