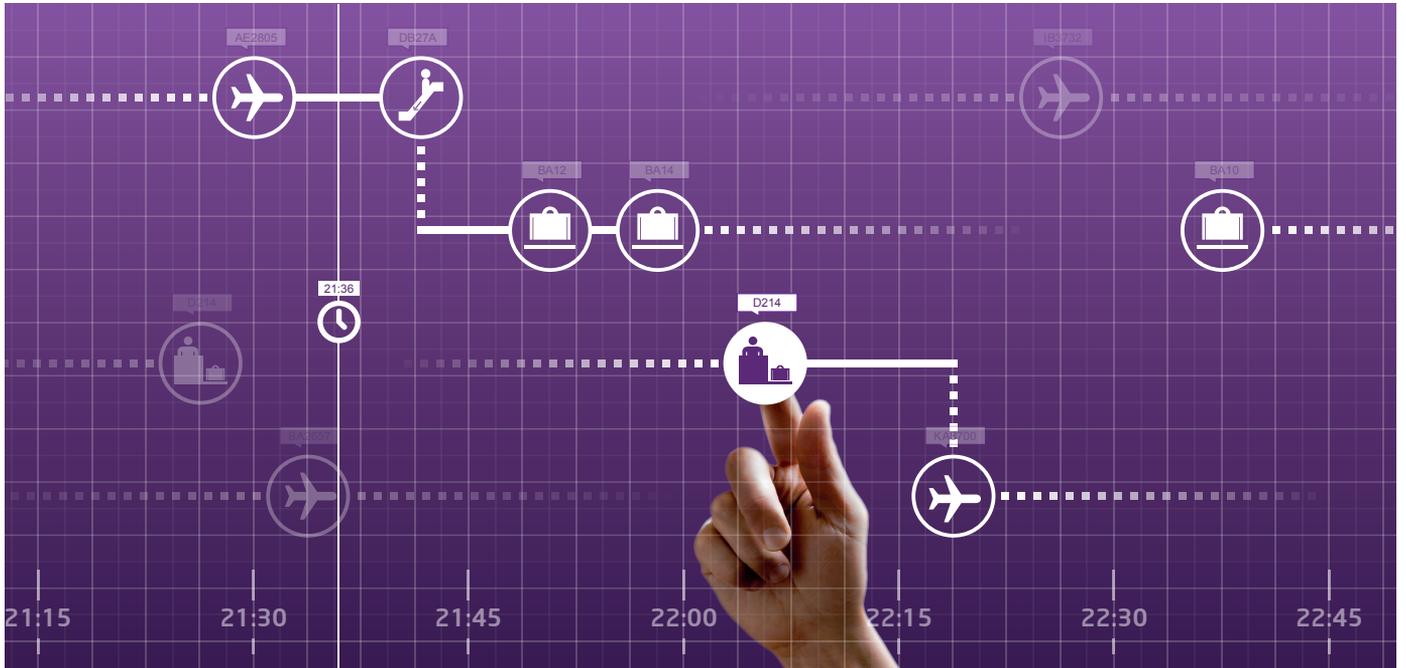


# InUSE

## Resource Management System



### Indra expertise in the ATM and airport business

Indra is the leading IT Spanish company and one of the top five ATM systems suppliers all over the world. Indra knowledge and its products portfolio reach all different areas at both air and land processes supporting all stages at the air traffic management business.

This knowledge, consolidated with the experience acquired along the last 30 years, has enabled Indra to create a new paradigm, called INairport, about how IT supports the airport information needs. INairport compiles all the know-how in both operational and technical

environments accumulated with the references in ATM and airports, together with the leadership in the initiatives which are currently optimizing the airport processes (CDM) and defining the future for air transportation (SESAR).

### InUSE RMS and its role within INairport

Operations at the airport require resources supporting the aircraft and passenger processes at all its stages. A complex framework of fixed infrastructures (such as checkin counters, gates, stands and baggage belts) mobile resources (such as buses, follow-me or fueling vehicles) or even handling staff is required to cover all the needs of aircraft and passengers, and such resources are typically provided by the airport.

Due to the common use nature of such resources by different operations and stakeholders, and because of the complexity for the optimization of its allocation to the mess of operations taking place at the airport, INairport paradigm includes **InUSE** RMS system to facilitate the performance enhancement of the aircraft processes execution within the airport, taking into consideration at the same time operational, safety and financial matters.

**InUSE** RMS facilitates to the airport operational department not only the real-time management of the resources allocation (including conflicts detection and smart re-allocation proposals), but it also support scheduling phase, or even the generation of simulations (what-if) for the impact evaluation of future scenarios.

## Key benefits of Indra InUSE RMS

- Fully integrated with existing information at the AODB, regarding existing operation, resources, unavailabilities, etc.
- Rules driving the allocation process strategy configurable by the user.
- Application loosely coupled with the supporting technology, capable to be deployed in a variety of HW (Intel, IBM, Oracle...), Operating System (Linux, MS-Windows, Solaris, HP-UX...) and other base software (Oracle, MySQL or Postgres databases...).
- Ergonomic and intuitive interface to facilitate the global overview of the resources allocation status.
- Simulation mode (what-if) to check different strategies and choose the best solution to apply.

## InUSE RMS modular components

### RMS core

- Real time integration with AODB
- Massive automatic resources allocation to operation for scheduling or real-time phases.  
Graphical presentation of resource allocation status and with quick allocation change capabilities (drag&drop operation on Gantt charts).
- Conflicts detection according to the evolution of real-time operations.
- Scenarios simulation (what-if).

### Rules management

- Smart rules management by the user, including incompatibility, optimization and conflict rules.
- What-if mode with different strategies definition and assessment based on KPI's.

### Allocation reports

- Flexible and customizable reports generation with historical information about occupancy of resources, traffic growth, etc.



## References

Indra developed its RMS as the corporate airport management system for Aena, which is the world's largest airport operator with a network of 62 airports distributed around Spain and Latin America. The RMS is currently in operation in the big (Madrid, Barcelona, Palma de Mallorca, Malaga, Gran Canaria, Alicante and Tenerife) airports.

Outside Aena, Indra RMS has been successfully deployed in important airports like Murcia in Spain, and coming soon in Nairobi JKIA in Kenya.

Looking to the future, Indra participates on main international standardization and evolution forums about Air Transportation market, leading all the works related to the systems evolution within airports at SESAR program.

## Associated services

- Design and consulting services at both operational and technical contexts
- Product adaptation, so it can be customized and adapted to fulfill any specific airport requirements
- Integration with external systems
- Deployment
- Testing & Commissioning
- On-site, Off-site Support and Maintenance
- Product new versions updating service, with no additional cost if Indra is maintenance provider.



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