PDC RMS

Resource Management for Airport Ground Handling
Employees and Equipment

PDC-Aviation

PDC RMS
for airports

PDC RMS is a solution for managing staff and equipment within the ground handling processes. PDC RMS includes facilities to handle both staff rosters and day-of-operation dispatch. This is performed in combination with other external systems within the airport. Solutions can be tailored individually and acquired as an all-in-one seamless system.

Supports the Entire Work Process

PDC RMS provides you with excellent decision support facilities to accommodate the entire process of planning employees and mobile resources:

- Staff and Equipment Planning is based on traffic information and SLAs. The demand is matched with labor agreements, skills, etc.

- Long-term Staff Balancing - Based on operational needs, vacation, training, etc

- Traffic schedules, MVT, LDM, passenger volumes, etc.

- Staff Adjustments - Roster, vacancy and absence adjustments, etc.

- Day of Operation - Last minute adjustments due to traffic changes, sickness, etc.

- Follow-up - Audits, KPIs, business intelligence, budgets, etc.

Flexible and Easy Configurable System

Work processes are often specific for individual service providers. PDC RMS manages an unlimited number of rules and regulations. The ground handler can configure the system when processes need to be implemented and/or changed.

Automation Increases Responsiveness

Based on detailed flight information PDC RMS automatically creates tasks, shows passenger and load prognosis, estimates manpower and equipment needs, cost, etc. This enables the planner to:

- Create effective rosters which match demands

- Meet SLA requirements

- Reduce administration

- Increase productivity for employee and ground support equipment resources

Integrations

PDC RMS supports the structure in your business and can be set-up to integrate to other systems including AODB, ERP, Payroll, Time and Attendance and Access Control.

Employees' Involvement in Planning Contributes to Profit

When making rosters with PDC RMS, employees are able to submit requests online for specific shifts or time off. These requests are instantly visible to the planner and can therefore easily be considered during planning. This increases the sense of responsibility and job satisfaction which may result e.g. in reduced absence due to sickness and reduced employee turnover.

Control with Payroll Expenses

The planner can reduce labor costs by balancing manning demand on the long term. This reduces the need for short term solutions, thus avoiding costly overtime payment and overstaffing. The system continuously calculates the roster impact on payroll and compares this with budgets.

Communication via Mobile Devices

Once a plan is available, it is easily communicated. Employees are able to review tasks and rosters on Mobile Web via a mobile device (smart phone, smart watch, tablet, Tetra) or on a PC. From a Dispatch point of view, the mobile solution serves as a highly dynamic and time saving operational communication tool. New or revised tasks can be dispatched to employees without delay and the possibility to monitor actual task status on the fly, is an asset in the ever changing nature of aviation and operational control.
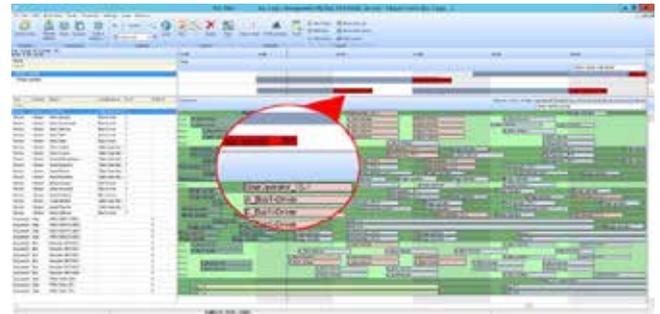

Fig. *The red color coding in PDC RMS clearly draws the dispatcher's attention to tasks which are alerted.*

Alerts and Overview Improves On-time Performance

The use of actual traffic updates enables PDC RMS to automatically keep track of on-time performance of all planned tasks. This ensures that tasks are finalized on-time, thereby reducing the risk of flights delays.

Audits

Reports are easily generated for audits performed by internal and external stakeholders.

Monitoring of Performance

KPIs can be used to support management and planners throughout the entire work process. KPIs are calculated on the fly and are available on screen as well as in reports. Dynamic KPIs provides an overview of total cost. PDC RMS keeps track of working hours for each airline customer for which the system can present precise KPIs. This includes employee- and equipment cost for each flight.
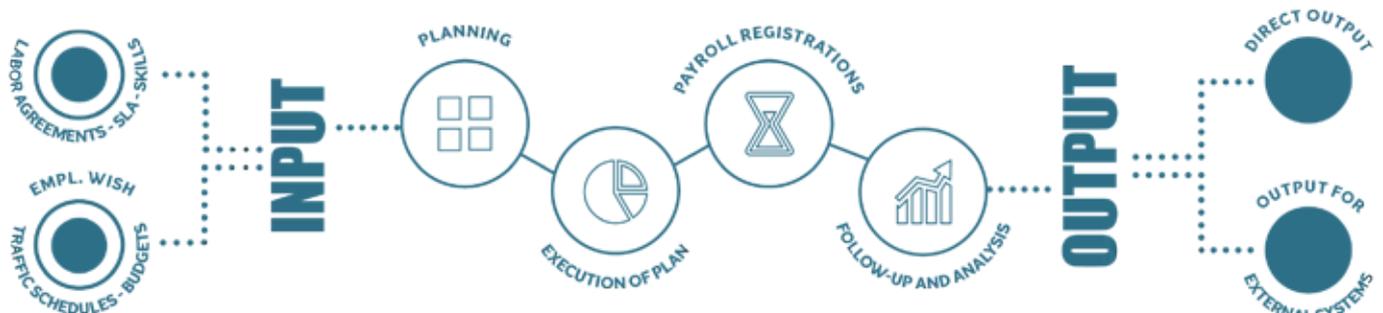

Fig. *Airport Workforce Scheduling Process*

Who we are

Since PDC's founding in 1984 we have worked closely with airlines, airports, ground handlers and slot coordinators on utilizing their scarce resources as effectively and economically as possible.

We have developed a unique technology that allows us to deploy rules and AI methods for resource optimizing and efficient decision support. This gives companies a competitive advantage when applying our planning and scheduling solutions. PDC has a highly trained team of developers and consultants with substantial experience within resource optimization, planning and scheduling.

Last but not least, we have a dedicated and capable team of supporters with a broad domain experience from working many years in the aviation business.

Prolog Development Center AS
H. J. Holst Vej 3C - 5C
DK 2605 Broendby | Copenhagen
Denmark
Tel +45 3636 0000
www.pdc-aviation.com
info@pdc-aviation.com

PDC Aviation Ltd.
Viewpoint
Basing View
Basingstoke
Hampshire
RG21 4RG
United Kingdom
Tel.: +44 7921 576166
info-uk@pdc-aviation.com

**Prolog Development Center
Asia Pacific Pte Ltd**
300 Tampines Avenue 5
#09-02
Singapore 529653
Tel: +65 6679 5789
info-ap@pdc-aviation.com

PDC Solutions Canada Ltd.
World Trade Centre
404-999 Canada Place
Vancouver BC, V6C 3E2
Canada
Tel +1 604 641 1286
info-na@pdc-aviation.com

PDC-Aviation