

# Delivering The Next Generation Airport

## **DELIVERING A COMMON TECHNOLOGY PLATFORM THAT ESTABLISHES A COMMITMENT TO AIRPORT-WIDE COLLABORATION, INTEGRATION AND OPTIMISATION**

The Chroma Next Generation Airport Suite is a consolidated platform that enables airport operators, their partners and stakeholders to put the passenger process at the heart of decisionmaking, enabling real time collaboration, landside and airside alignment and a holistic view of airport operations.

Chroma's strength lies in its ability to centralise information, automatically prioritise actions and optimise operations in the terminal and at the gate.

Through the integration of real-time data from disparate sources Chroma automatically translates, validates and prioritises actions based on user definable business rules.

The result is that airport operators and stakeholders are equipped with a single and accurate version of the truth leading to improved real-time situational awareness and delivery of more effective operations.



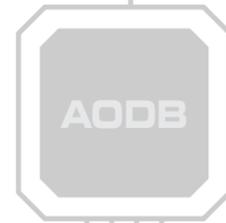
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## Chroma AODB

### WHAT IS IT?

The AODB is the central source, the nucleus within your Airport Operational Environment, ensuring that mission critical information is stored, acted upon, and distributed in real-time to allow you and your stakeholders to operate at their maximum capability by enabling Airport Collaborative Decision Making (ACDM).



### HOW CAN IT HELP YOU?

Designed and built to solve real operational problems in single airport, multi airport locally hosted and multi airport hybrid environments.

Aligned with ACRIS industry standards, Chroma allows airport users to access information within traditional flight grid or A-CDM centric views. Internal and external stakeholders can be notified in real time of the true operational situation which is continuously and automatically refreshed from a wide range of 3rd party source e.g. Sita 'type-b' messaging, airlines and ATC.

To further support our customers with decision making Chroma AODB also comes integrated with Chroma AODB Mobile app, to allow data to be updated anywhere on the Airport.

## Chroma ACDM

### What is it?

Chroma ACDM has been engineered in line with EUROCONTROL A-CDM objectives of increasing airspace and airport capacity, while also reducing aircraft taxi/runway queue times to increase airline efficiency, decrease CO<sub>2</sub> emissions and operating costs.

### How can it help you?

With capabilities to monitor and manage all areas of the operation and calculate variable taxi times you can confidently generate efficient pre-departure sequences that take account of airline, aircraft size and wake vortices. As a result, you can achieve complete optimization of the airport/taxi ways and runway(s). most maximum efficient plan possible.

## Chroma RMS

### What is it?

Taking the scheduled and real-time data from your AODB, Chroma RMS is a resource management system that ensures your operational assets are scheduled and continuously adjusted to the most efficient plan possible.

### How can it help you?

Chroma RMS ensures that you are protected from any operational situation having a negative impact on the overall performance, whether that's for seasonal planning, what-if scenario planning, or an on-the-day operational event.

This is all possible via our easy to use, nontechnical, resource optimization rule builder for both landside and airside areas. Here, you can define rules to ensure that all resources are utilized in the most effective manner, as well as providing an alert mechanism to highlight resource constraints during the operational day.

## Chroma FIDS

### What is it?

Passenger experience is extremely important to any Airport, and flight information display systems (FIDS) play a crucial part in ensuring that passengers are informed throughout their journey through your airport.

### How can it help you?

Chroma FIDS not only provides key information in multiple languages to all areas of the airport, but also supports other transport modes who bring passengers to the terminal.

With location and targeted multi-media advertising functionality, you can maximize your retail outlet opportunities and continue to provide a positive, informative passenger experience.

## Chroma Billing

### What is it?

Covering both Aeronautical and Non-Aeronautical revenue streams, Chroma Billing is a fully automated platform proven to simplify and shorten the billing process. The system improves cash flow, reduces billing timescales and automates the rebate, incentive and debt recovery process.

### How can it help you?

Chroma Billing is a true multi airport system, with the capability to capture not only the usual aeronautical and non-aeronautical billable charges but additional billable charges such as flyovers. Via the intuitive UI it's quick and easy to generate billing rules to apply billing discounts/rebates/ re-verse or re-charge, and through an extensive selection of accounting system interfaces and access to IATA SIS you can be confident that all your billable charges are accurately recovered.

# Chroma AODB MOBILE

## What is it?

As mobile technology continues to change in both areas of user ability and affordability, and work activities become ever more dependent on completing tasks while on the move, a mobile enabler to complete Airport Operational duties has become more than a "nice to have" requirement but shifted to being a key driver behind the ultimate optimised operation, heavily supporting the growing market of ACDM and its core objective to increase collaboration of the one true data.

## How can it help you?

Our multi Airport Chroma AODB mobile completely mobilises your operation therefore increases communication across the entire operation, reducing data capture time lag between the event occurring and communicating the event occurrence.

Implementation of Chroma AODB Mobile is risk free of operational distribution due to existing AODB configuration being used because it can layer over any AODB in the market and due to this, only a very small amount of user training is required due to the device type look and feel being used to complete operational updates.

All operational uses using AODB mobile will be working in a secure environment just as if they were working in the back office.

Our airport operational solutions are trusted by over 70 airports globally to help more efficiently handle 1.1 billion passengers and 3 million flight movements annually.

From passenger tracking to resource management; AODB to aeronautical billing; forecasting and revenue planning; departure sequencing to time-based flow measurement; Leidos offers the most comprehensive suite of airport solutions that offer an end to end view of the operation that consolidates terminal, airside ATM and decision information systems.

From sidewalk to sky, we've got it covered...

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