



**maureva**

**Soaring higher together.**



# ABOUT MAUREVA



## About Maureva



For more than 25 years, we have been serving this industry with passion. Providing innovative software solutions to the industry, particularly to scheduled carriers. Our objective is to become a one-stop shop for the Airlines to reach industry standard solutions with a deep and positive impact on their performance and decision-making capabilities.

- 25 years of Airline Software Development
- 20 years as a Service Center
- 75+ companies (airlines / airports / handlers) boosted with our solutions
- **Staff location** : Reunion Island, Mauritius, France, Spain, Canada
- 220 Staff +
- IATA Strategic Partner
- PCI-DSS, GDPR compliance
- Maureva Managed Services: ISO 9001:2017 / ISAE3402 / SSAE 18 certified services

# Our Solutions:

## Our Solutions portfolio

**ALEXIS** |   
FLIGHT SCHEDULING CREW MANAGEMENT

**EDGAR** |   
REVENUE ACCOUNTING SOLUTIONS

**KEOPS** |   
COST MANAGEMENT & CONTROL

**MARGO** |   
AIRLINE CARGO SOLUTIONS

**MATIS** |   
AIRLINE BUSINESS DECISION SYSTEM

## Distribution Partnership:

**ALISS** | **CLOVIS** |   
CHECK-IN SOLUTIONS | SELF SERVICE BAG DROP | world turns faster

## Value Added Outsourced Services

**Managed Services** | 

## Process Optimization Solutions in :

- Airline Flight Operations (Flight Scheduling / Crew Management / OCC) : **ALEXIS**
- Revenue Accounting (Passenger and Cargo) : **EDGAR / MARGO CRA**
- Cost Management (Budget, Invoice Management, Claims) : **KEOPS**
- Air Cargo Management (Booking, Issuance, Handling & Tracking) : **MARGO**
- Analytics & Business Intelligence (KPI, Budget & Route profitability) : **MATIS**
- Check-In (Self + Self bag-drop) : **ALISS / CLOVIS**

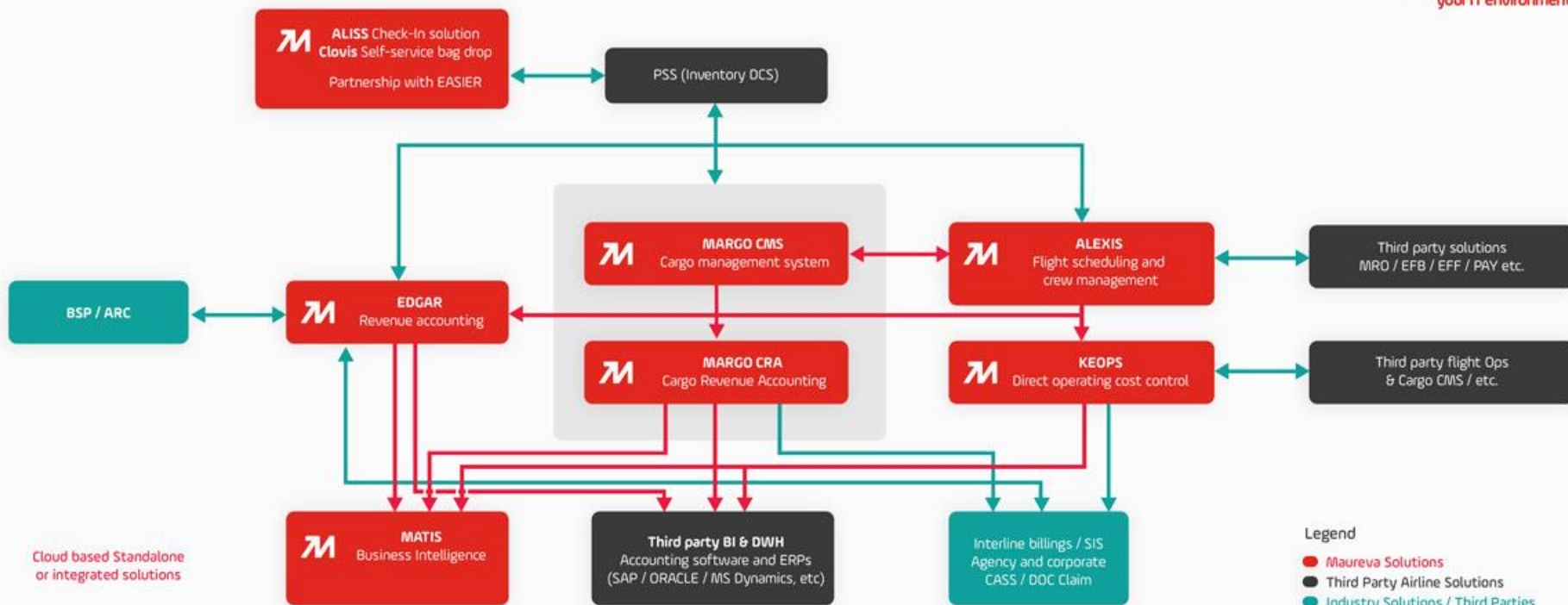
## Value Added Services Capabilities:

- Outsourced Services in :
  - Passenger Revenue Accounting
  - Cargo Revenue Accounting:
  - Cost Control : Tariff Management, Invoice Control, Cost Management



**maureva**

A diversified portfolio of Integrated Solutions within your IT environment



Cloud based Standalone or integrated solutions



**EDGAR**

**Passenger Revenue Accounting**



# KEY HIGHLIGHTS OF A REVENUE ACCOUNTING SOLUTION

EDGAR is Maureva's most recognized industry solution, used today by more than 55 Client airlines of different sizes, complexity and hosted on different PSS. Delivered as a Software (SaaS or On-premise) or as a Service solution, Revenue Accounting is critical to any Airline, and ensures :

## ■ Ensure Revenue Protection:

- **Prevent revenue leakages** by auditing agencies : Recover undercollected fare, taxes, fees, charges and commissions on issued, exchanged and refunded documents
- **Improve your airlines' cash flow** by quickly processing interline billings and performing rejection of overbillings in a timely manner

## ■ Enhance Visibility and Reporting:

- **Reconcile all your Sales** (from various sales channels) with Flown transactions to calculate effective Revenues for tickets and ancillary services
- Monitor and **justify your Unearned Revenues Account** (Forward Sales Accounting)
- **Report Taxes** easily: facilitate reconciliation with airports, authorities, invoices, etc.
- **Retrieve exhaustive Financial**, Commercial KPI reporting (per route, market, network on a daily basis, GSA overriding commissions, Incentive agreements, etc.)
- Enable ERP integration and **automation of GL Posting** (EDGAR GL Interface)





## WHAT ARE THE DEPLOYMENTS MODELS AVAILABLE?

### Software Solutions

- **EDGAR Cloud** (Dedicated environment managed within AWS)
  - PCI-DSS / GDPR compliant
- **EDGAR In-House** (On-premise installation)

### Service Solution

- **EDGAR MANAGED SERVICES**
- Outsourced Revenue Accounting Services
- Complete PRA Services: Sales Processing (ETKT / GDS); Sales Audit / Revenue Recognition; Interline / etc.
- Many Optional Services, such as :
  - Refund Validation Services, Credit Card Reconciliation, Corporate Client Invoicing, etc.
- Operated from Mauritius Island
- Bilingual (French / English)
- Compliance : ISO 9001:2015 - ISAE3402 / SSAE18 type 1 - PCI DSS - GDPR







# MAUREVA'S USP

## 1 - EXTENSIVE REVENUE PROTECTION

- Highest levels of Revenue protection with Maureva
- Identification and correction of errors and frauds from issuing agents
- Full Flown reconciliation to identify document's double usages and support prevention of those
- Improved interline billings cash flow cycle and enhanced control on Interline transactions

## 2 - EXHAUSTIVE REPORTING CAPABILITIES

- Integrated EDGAR Revenue Analytics – Web Based Reporting module
- Financial & commercial detailed reporting delivered on a timely basis
- Complete tax reporting and financial audit trails made available
- Exhaustive ERP integration experience (SAGE, SAP, Oracle, etc.)
- MATIS Solution available for integrated Business Intelligence and Advanced Reporting Capabilities





## MAUREVA'S USP

### 3 – PROVEN SOLUTION & STRONG SUPPORT

- More than 60 active client Airlines trusting EDGAR
- Strong focus on customer support :
  - Client Success Manager and dedicated Service Delivery Manager
- Cloud-based Solution (ensure reliability, scalability, data security)
- Compliance to industry rules and evolving standard (IATA rules, IFRS, NDC & OneOrder)
- Adaptability to Airlines specific requirements
- Exhaustive PSS Integration capabilities (Most PSS supported)

### 4 – NO HIDDEN COST

- EDGAR Solution's pricing includes
- Maintenance and Support on our application and SLA
- Upgrades and new versions provided at no additional cost
- No Hidden cost





**HOW  
DOES  
IT  
WORK ?**



**EDGAR**  
REVENUE ACCOUNTING SOLUTIONS





# KEY PROCESSES MANAGED IN EDGAR?

## 1/ SALES, EXCHANGES, REFUNDS

- Manage and monitor sales data capture (ETKTS + EMD / Ticketless / NDC sales)
- Document Valuation and processing (fare proration)
- Tax assignation at coupon level
- Processing of anomalies
- Reconciliation with Agency sales reports
- Audit
  - Sales Auditing (Sales, Exchanged, Refunded documents) on Fare / Commission / Taxes
- ADM/ACM management including creation and submission to BSPLink
- BSP Refund Processing
- Corporate Clients / Agency Invoicing
- Credit Cards & Electronic Payment Reconciliation

## 2/ FLOWN

- Flown Coupon Data capture
- Full Flight Sets Reconciliation with integration of DCS messages / Flight Ops data
- Revenue recognition including no-show revenue
- Coupon status update in ETDB (using Amaudeus WS)

## 3/ INTERLINE

- Interline data capture
- Complete Inward billing control
- Outward billing management
- Complete management of rejections and correspondence
- Submission of billing memos
- Full SIS compliance

## 4/ REPORTING

- EDGAR Revenue Analytics Solution web-based solution
- Exhaustive Commercial, Accounting and Financial Report with full audit trails
  - Full Statistical Data
  - KPI Reporting (RASK, RPK, LF, etc.)
  - Complete Tax Reporting
  - GSA & Overriding comm calculation
- Automatic / scheduled reporting generation
- Integrated Dynamic Reporting Capabilities
- Multiple Integration with Data Warehouse and Business Intelligence Solutions (PowerBI / Tableau)
- Customized Accounting Files (GL) & Other Interfaces (RMS, FFP, etc.)
- MATIS Business Intelligence Solution



# Step 1: SALES PROCESSING AND AUDITING

## BENEFITS

- Timely processing
- Revenue Recovery
- Automated Invoicing Processes


### 2 - EDGAR Processing

#### 1- Data Sources

- AIRLINE SALES DATA FILES
- PSS SALES DATA FILES (Ticketless compliant)
  - GDS Sales
  - BSP HOT
  - ARC CAT

Agencies sales reports  
(Own, GSA, BSP, ARC)  
Refund Applications

References in EDGAR  
(fare rules, Industry and specific taxes, etc.)



**EDGAR** | REVENUE ACCOUNTING SOLUTIONS

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**File Retrieval & Import**

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**Valuation Process**

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**Reconciliations**

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**Refund Application Processing**

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**Sales Audit (ADM/ACM and disputes)**

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**Reporting**





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**EDGAR ARTEMIS : Corporate Clients and Agency Invoicing**

**EDGAR CCB : Credit Card Billing Services**


**EDGAR CCM : Credit Card Reconciliation Services**

**EDGAR F4C : Automated Fare Audit with Amadeus GDS**

#### 3 - Outputs

- Submission to industry Solutions (ADM, authorized refunds, etc)
- BSP Link
  - MyARC
- 


- EDGAR Agent Portal:
- Non-BSP agency (Sales Reports / ADM management)
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- Optional : Invoices to third parties, via:
- ARTEMIS : Corporate Clients / Agencies
  - CCB: Acquirers



# Step 2: FLOW PROCESSING


## BENEFITS

- On-time revenue recognition
- Flag missing passengers
- Recognize No-Show revenues
- Identify other airline document uplifted

### 1- Data Sources

- PSS**
  - FLOWN DATA FILES (LIFT, ETLR, etc.)
- DCS Data**
  - PRL, ETL, LDM, MVT, SLS, PFS
- Flight Operations**
  - SSIM, Flight Ops reports

### 2 - EDGAR Processing



**File / Messages Retrieval / Parsing & Import**

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**Revenue Recognition (Sales information retrieved)**

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**Reconciliations**

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**Reporting**

EDGAR ET-U : Automated ETKT status updates

### 3 - Outputs

- Prime Outward Billings**
  - Airlines (Old-IDEDEC / SIS formats)
  - SIS (IS-XML / IS-IDEDEC)
- OPTIONAL : PSS:**
  - EDGAR ET-U : Coupon Status Update



# Step 3: INTERLINE PROCESSING

## BENEFITS

Accurate Invoice Control  
Automated Rejections  
Improved Cash Flows

### 1- Data Sources

SIS  
Interline Invoices

Airlines  
PDF / electronic invoices (old-IDEC) / IATA SIS  
formats

References in EDGAR  
(Interline Agreements, Prorate Factors,  
Provisos, IS Calendar, etc.)

### 2 - EDGAR Processing

**EDGAR** |   
REVENUE ACCOUNTING SOLUTIONS

Invoices Retrieval & Capture

Reconciliation with EDGAR records

Invoice Control

Rejections & Correspondence

Reporting

### 3 - Outputs

Interline Outward Billings

- Prime & Rejection
- SIS (IS-XML / IS-IDEC)
- Manual capture in SIS for  
correspondance



Airlines:

- Electronic or Manual Invoices





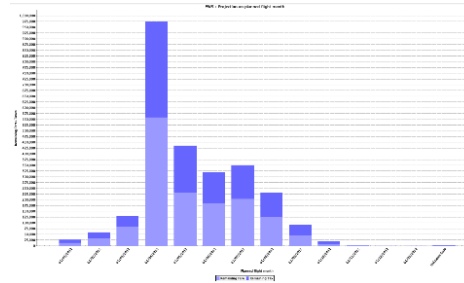
# Step 4: GENERATE REPORTING AND ANALYTICS

## COMMERCIAL REPORTING

- Statistical Reports with differential Mechanism
- Data WareHouse / BI feeds
- Integrated OLAP Reporting:
  - Complex analytical queries
  - Real-time execution time
  - Drill-through and drill-down features
  - User friendly interface
  - Graphical representations
  - Repository
  - Export capabilities (PDF/XLS)
- Exhaustive set of standard reports:
  - Including Sales, Revenue, Taxes reports

## FINANCIAL REPORTING

- Taxes and transaction reporting
- Forward Sales Account Analysis
  - Global Balances
  - Detailed balances
  - Projection
  - Full coupon details



## ACCOUNTING / GL FILES

- Automated File generation
- Customized to your chart of accounts
- Audit trails available
- Fully customized to your ERP (example of ERP supported☺)



## BENEFITS

- Daily Reporting on your Sales and Revenues
- Detailed Forward Sales Account Analysis for your auditors
- Commercial and Financial Reporting





## INTEGRATIONS AVAILABLE WITH

### PSS – RESERVATION SYSTEMS

- Amadeus Altea
- Amadeus Navitaire
- SABRE SabreSonic
- SABRE Radixx Res
- IBS iFlyRes
- HITIT CranePAX
- TTI Zenith
- KiuSYS KIU PSS
- VIDECOM VRS
- Intelisys AmeliaRES
- AVTRA PSS
- BRAVO Avantik
- GO7 Worldticket

### INDUSTRY SOURCES

- GDS
- BSP
- ARC
- SIS / ICH
- ETDB (Travelport, Amadeus)
- IATA (Prorate Factors, Provisors, Taxes, IROE, etc.)
- ATPCO (Taxes records)

### DCS – DEPARTURE CONTROL SYSTEMS

- ALL DCS Supporting Email (Altea DCS, Ink DCS, iPort, etc.)
- TypeB Messaging capabilities also supported

### ERP and FINANCIAL SYSTEMS

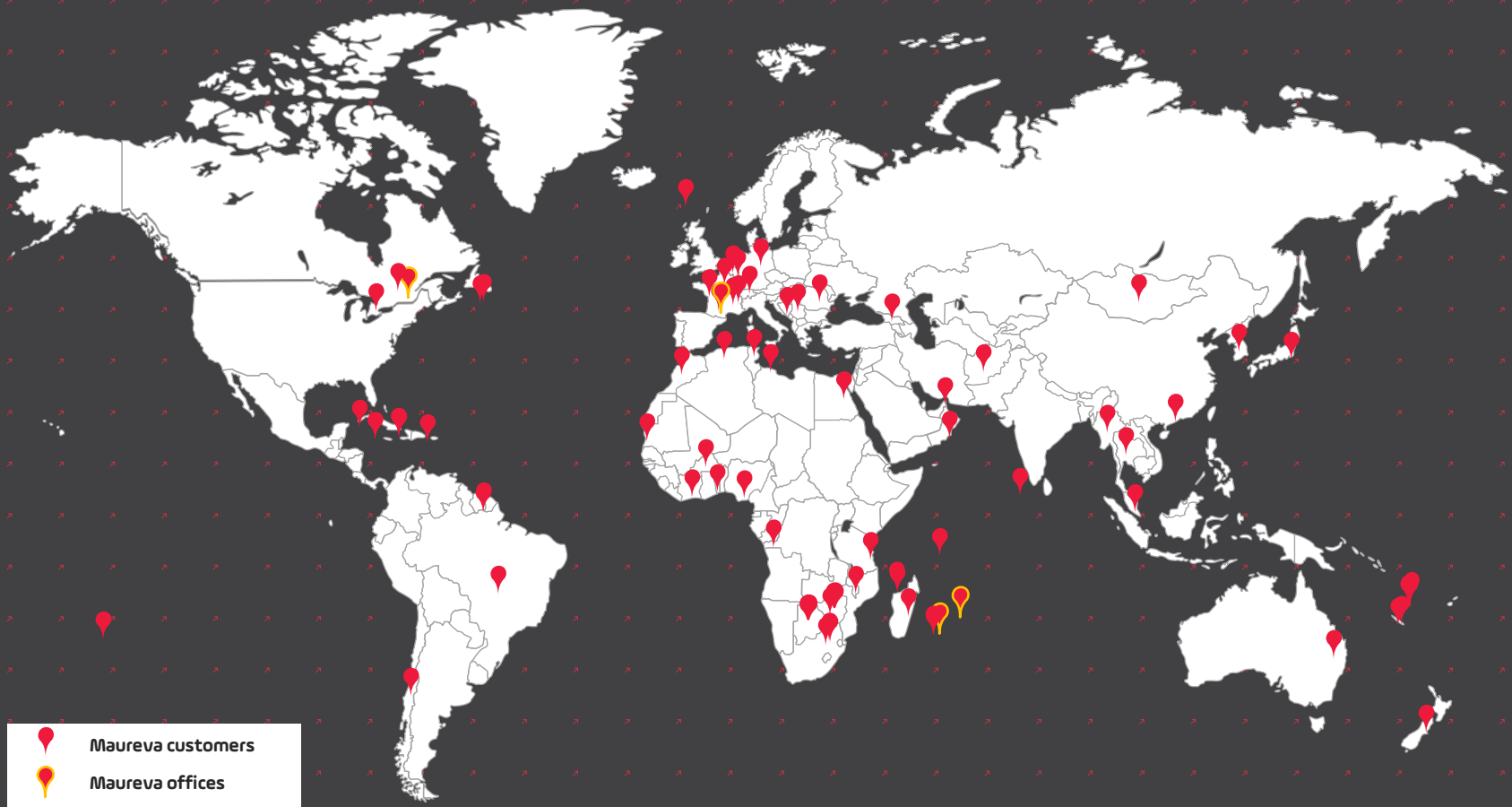
- SAP (R/3, HANA, Business One)
- Oracle ERP & Fusion
- Microsoft (Navision / Dynamics 365)
- SAGE
- Talentia
- Legacy Systems

### ACQUIRERS / PSP / PAYMENT NETWORK

- ELAVON
- WORLDPAY
- AMERICAN EXPRESS
- UATP
- DPO
- Local banks






Proudly serving 75+ Clients all over the world








## CONTACT US:



**DAYNA ARMOOGUM (Mrs.)**  
BUSINESS DEVELOPMENT  
MANAGER

 Phone: (230) 466 6838  
 Mobile: (230) 5257 7672  
 [darmoogum@maureva.com](mailto:darmoogum@maureva.com)

**ROMAIN ANGELLA (Mr.)**  
HEAD OF BUSINESS  
DEVELOPMENT

 Phone: (230) 466 6838  
 Mobile: (230) 5251 7740  
 [rangella@maureva.com](mailto:rangella@maureva.com)

**JEAN-MARC PERREAUX (Mr.)**  
SALES DIRECTOR

 Mobile: (33) 6 86 68 51 07  
 [jmperreaux@maureva.com](mailto:jmperreaux@maureva.com)



Orange Tower, 72201 Ebene Cybercity | Mauritius  
4 rue Jules Thirel – Savanna – 97460 St-Paul, Ile de La Réunion | France  
[www.maureva.com](http://www.maureva.com)  
Mail : [commercial@maureva.com](mailto:commercial@maureva.com)