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 | DIRECT OPERATING COSTS

MARGO | AIRLINE CARGO SOLUTIONS

MATIS | AIRLINE BUSINESS DECISION SYSTEM

Distribution Partnership:

easier
AUTOMATIC SYSTEMS / iBR
world turns faster

ALISS | CHECK-IN SOLUTIONS

CLOVIS | SELF SERVICE BAG DROP

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**

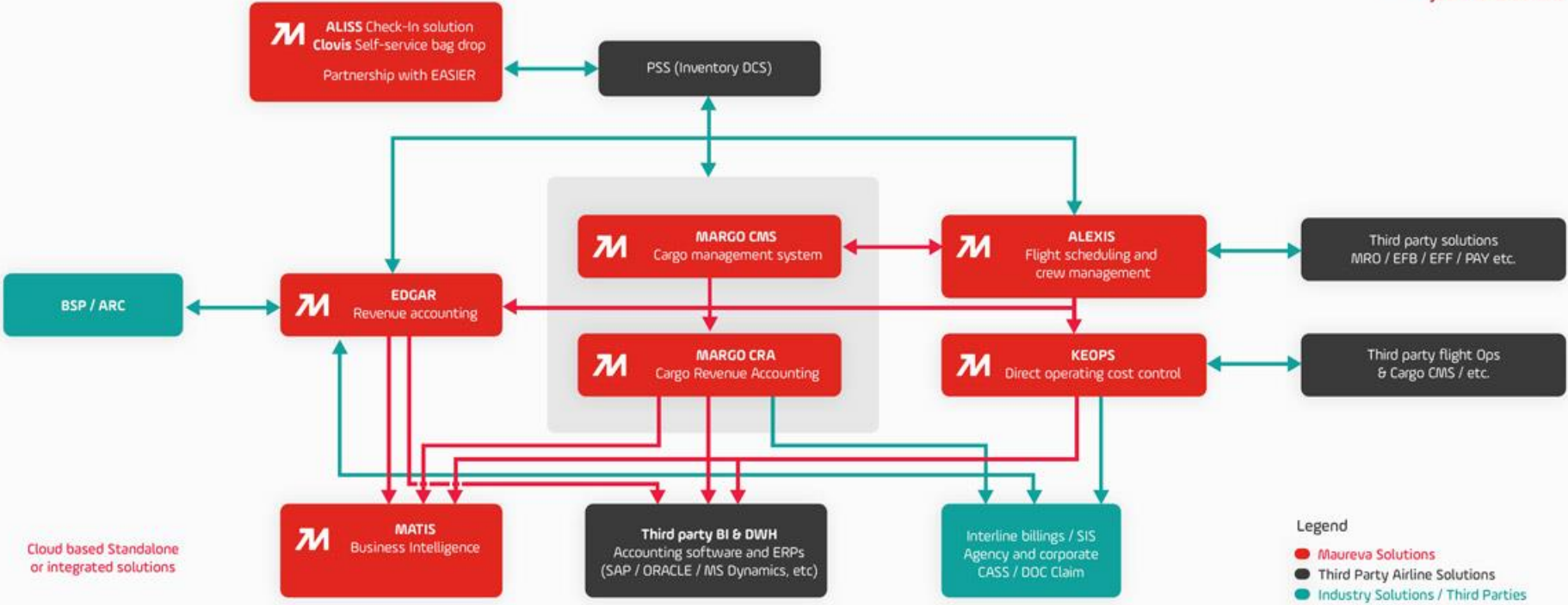# Value Added Services Capabilities:

- 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

ALISS Check-In solution
Clovis Self-service bag drop

Partnership with EASIER

PSS (Inventory DCS)

MARGO CMS
Cargo management system

ALEXIS
Flight scheduling and crew management

Third party solutions
MRO / EFB / EFF / PAY etc.

BSP / ARC

EDGAR
Revenue accounting

MARGO CRA
Cargo Revenue Accounting

KEOPS
Direct operating cost control

Third party flight Ops
& Cargo CMS / etc.

Cloud based Standalone or integrated solutions

MATIS
Business Intelligence

Third party BI & DWH
Accounting software and ERPs
(SAP / ORACLE / MS Dynamics, etc)

Interline billings / SIS
Agency and corporate
CASS / DOC Claim

Legend

🔴 Maureva Solutions
⚫ Third Party Airline Solutions
🔵 Industry Solutions / Third Parties

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)

EDGAR
REVENUE ACCOUNTING SOLUTIONS

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

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

File Retrieval & Import

Valuation Process

Reconciliations

Refund Application Processing

Sales Audit (ADM/ACM and disputes)

Reporting

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**

IATA   **ARC**

EDGAR Agent Portal:
- **Non-BSP agency**
(Sales Reports / ADM management)

Optional : Invoices to third parties, via:
- **ARTEMIS : Corporate Clients / Agencies**
- **CCB: Acquirers**

Step 2 :
FLOW PROCESSING

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

EDGAR
REVENUE ACCOUNTING SOLUTIONS

File / Messages Retrieval / Parsing & Import

Revenue Recognition (Sales information retrieved)

Reconciliations

Reporting

EDGAR ET-U : Automated ETKT status updates ⟳

3 - Outputs

Prime Outward Billings
- **Airlines (Old-IDEC / SIS formats)**
- **SIS (IS-XML / IS-IDEC)**

IATA

OPTIONAL : PSS:
- **EDGAR ET-U : Coupon Status Update**

Step 3 :
INTERLINE PROCESSING

BENEFITS
Accurate Invoice Control
Automated Rejections
Improved Cash Flows

1- Data Sources

2 - EDGAR Processing

3 - Outputs

SIS
Interline Invoices

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

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

EDGAR
REVENUE ACCOUNTING SOLUTIONS

Invoices Retrieval & Capture

Reconciliation with EDGAR records

Invoice Control

Rejections & Correspondance

Reporting

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

IATA

Airlines:
- Electronic or Manual Invoices

Step 4:
GENERATE REPORTING AND ANALYTICS

COMMERCIAL REPORTING

- Statistical Reports with differential Mecanism

- 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
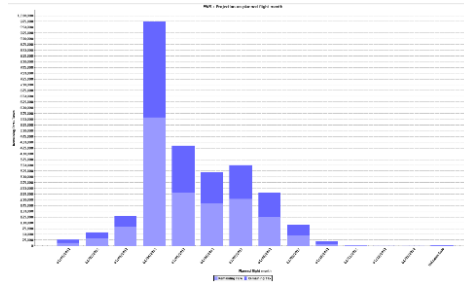
ACCOUNTING / GL FILES

- 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

Maureva customers

Maureva offices
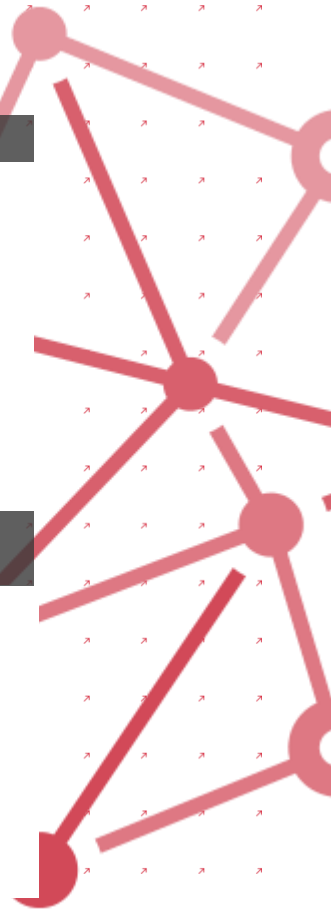
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