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GLOBAL REACH. GLOBAL SCALE.

SEABURY
SOLUTIONS

eAuthority

// [SEABURYSOLUTIONS.COM](https://seaburysolutions.com)

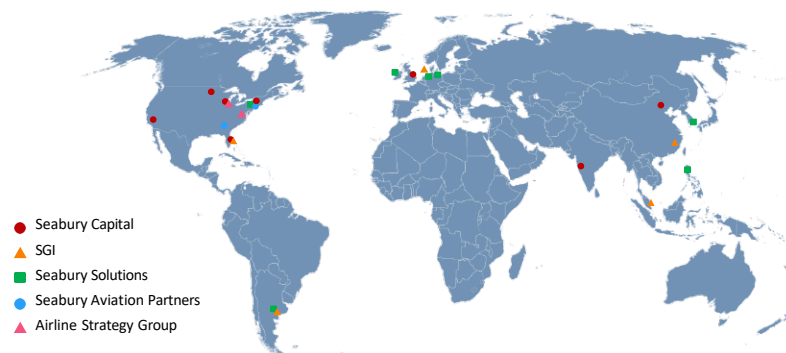
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Seabury Capital Overview

Seabury Solutions is the software development arm of the Seabury families which cover a wide range of expertise within the airline industry

SEABURY CAPITAL GROUP

- Award-winning advisory teams with global access in the Aviation, Aerospace & Defense industries
- Superior industry knowledge along with best-in-class analysis, technology and solutions
- Unmatched depth of relationships with key decision makers in industry, finance and government
- Successfully serving repeat clients since 1995



SEABURY CAPITAL MANAGEMENT

- Merchant Banking
- Managing funds with investments in aviation, aerospace, logistics and travel
- Minority or majority positions across capital structures
- Private Equity
- Venture Capital

SEABURY SECURITIES

- Sell-side M&A advisory including complex corporate carve-outs
- Buy-side M&A advisory and/or campaigns for financial and corporate clients
- Private debt and equity capital placements
- Strategic advisory, business planning and integration services
- Restructuring and turnarounds
- Valuation and fairness opinions

SEABURY AVIATION PARTNERS

- Global aviation and aerospace advisory practice with in-depth experience in aviation and M&A advisory
- Aircraft acquisition and financing
- Financial and operational restructurings
- Liquidity management and strategic advisory services (network, revenue, and fleet management)

SEABURY Airline Strategy Group

- Specialized services for airline revenue generation, business strategy, operations process improvement, and planning
- Strategic analysis for business planning, network planning, fleet planning, operations reliability, flight management, and efficiency
- Revenue and cost optimization, quality of revenue and distribution strategies
- Loyalty programs and product propositions

SEABURY® SOLUTIONS

- Airline enterprise performance analysis
- MRO / engine shop systems
- Mobile maintenance and fleet monitoring applications
- Regulatory / licensing management systems
- IT consulting and advisory

SEABURY AIRCRAFT CAPITAL

- Aircraft evaluation, selection and purchase advisory
- Full-service financial structuring, strategic planning, and advisory

SGI AVIATION

- Technical aircraft management
- Engine advisory
- Lease contract management
- Repossession, delivery and redelivery services

Global support, training, and certifications

Unmatched level of support with global experts



24/7



**Global
Experts**



**Client Portal
/ Annual
Conference**



**WCAG 2.2
EU GDPR**



A globally recognized standard for quality management. It helps organizations of all sizes and sectors to improve their performance, meet customer expectations and demonstrate their commitment to quality. Its requirements define how to establish, implement, maintain, and continually improve a quality management system (QMS).

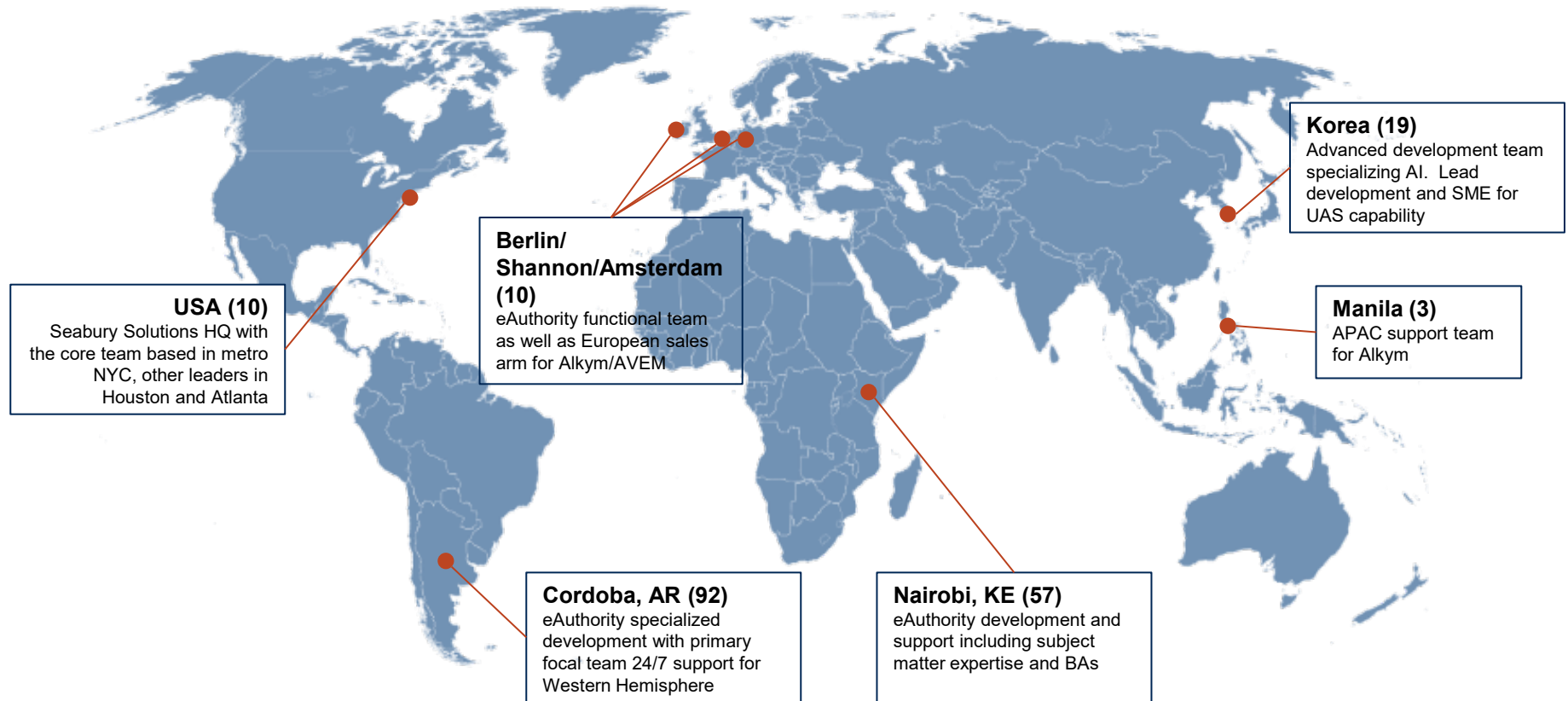


Provides companies of any size and from all sectors of activity with guidance for establishing, implementing, maintaining and continually improving an information security management system.

Conformity means that an organization or business has put in place a system to manage risks related to the security of data owned or handled by the company, and that this system respects all the best practices and principles enshrined in this International Standard.

Seabury Solutions Global Reach

We leverage world-wide talent to deliver innovative solutions which enables around the globe product support



Seabury Solutions Overview

Seabury Solutions, a wholly owned entity of Seabury Capital, was established in 2002 to build and deliver leading solutions to the airline industry

11

GLOBAL OFFICES

175+
EXPERTS

Seabury Solutions has over 100 professionals based in 11 countries

15

SENIOR EXECUTIVES

250+
YEARS OF
COMBINED
EXPERIENCE

Seabury Capital's highly skilled senior executives have over 250 years of combined experiences

100+

CLIENTS SERVED

1000+
CLIENT
ENGAGEMENTS
WORLDWIDE

Since its founding in 2002, Seabury Solutions has executed over 1,000 client engagements

45+

COUNTRIES
SERVICED

5

CONTINENTS

Seabury Solutions has implemented projects in over 45 different countries across 5 continents

OUTSTANDING PERFORMANCE FOR CLIENTS

OUR CORNERSTONE APPLICATIONS SERVE A BROAD SPECTRUM OF THE AVIATION INDUSTRY

Eauthority®

Next generation software supporting **aviation authorities** around the world – registration and certification management

Apas®

Airline **route profitability** tool – highly configurable, user driven, comprehensive network analytics

Alkym®

Full suite **MRO software** covering the complete maintenance life cycle, running at 40 current clients around the world

TOP TIER CLIENTS AND EXPERTISE

REPRESENTATIVE CLIENTS INCLUDE



Eauthority®

Current state:

- Fragmented on-premise application, supported by supplementary tools, manual workarounds and alternative processes
- Limited standardisation across teams — inconsistent processes, data structures and reporting
- Challenges in data quality, consistency and reliable management information



The eAuthority vision

- A set of application that fits the CAA, while respecting the CAA DNA
- A single, digitally-enabled service supporting end-to-end processes
- Application for your Today and Tomorrow needs.

KEY VISION:

The Authority controls the application

The application adapts to the Authority -> Not the opposite.

Control, Transparency and Modern

The system adapts to the Authority, not the opposite.

The Authority stays in control

A CAA should control key aspects of the system , so the system is built to be configured, inspected and extended by the CAA itself.



Configuration over customisation

Workflows, checklists, forms, fees and business rules are configured inside the application — not written into source code.

A rule change is an administrative task, not a development release.



No black box

Every decision path, validation, permission and audit trail is visible to the Authority, nothing happens in a place the CAA cannot see.

The CAA can explain its own system to an auditor, to ICAO, or to industry.



Ready for Cloud and AI

A microservice, API-first architecture that deploys on premise or in the cloud, and is open to AI-assisted analysis and risk targeting.

Adopted on the Authority's timeline , never imposed on it, respecting CAA DNA

Harmonisation and Transparency

A Unified Regulatory Platform

eAuthority delivers a modern, integrated regulatory management system, replacing paper-based workflows with a single secure, auditable platform connecting all stakeholders.



Unified oversight

One Safety & Security Oversight Management platform across all departments and locations.



Streamlined workflows

Digitize application forms and approvals; eliminate manual paperwork and rework.



Transparency & compliance

Full traceability and tamper-evident audit trails, aligned to ICAO SARPs.



Scalable & connected

Ready for future growth and secure integration with external Government systems.

The Authority controls the system.

The system adapts to the Authority, not the opposite.

Paperless from the source

Digitalization begins where the information is created, with the stakeholders, elevating CAA staffs to value-added tasks.



At the source

Operators, AMOs, training organisations and licence holders apply through the portal. Forms, evidence and payments arrive structured and validated, nothing scanned, nothing re-keyed.



In the field

Inspectors work from tablets, online or offline. Findings and corrective actions are captured once, where they happen, and land straight in the case file.



Back to the stakeholder

Status, decisions, expiries and outstanding obligations are visible in real time, the Authority answers fewer questions and industry makes fewer guesses.

“

***The inspectors of a CAA
should be doing oversight
activities — not
paperwork.***

Every hour the platform takes out of administration
is an hour returned to safety oversight.

Solution Overview

Core functional modules of the eAuthority platform

Licensing

Issues and manages personnel licenses

Airworthiness

Support the approval, oversight, and continuous monitoring of aircrafts.

Organizations

Manage organization certification and oversight

Surveillance and Audit

Audits and Oversight Activities

Qualifications and Training

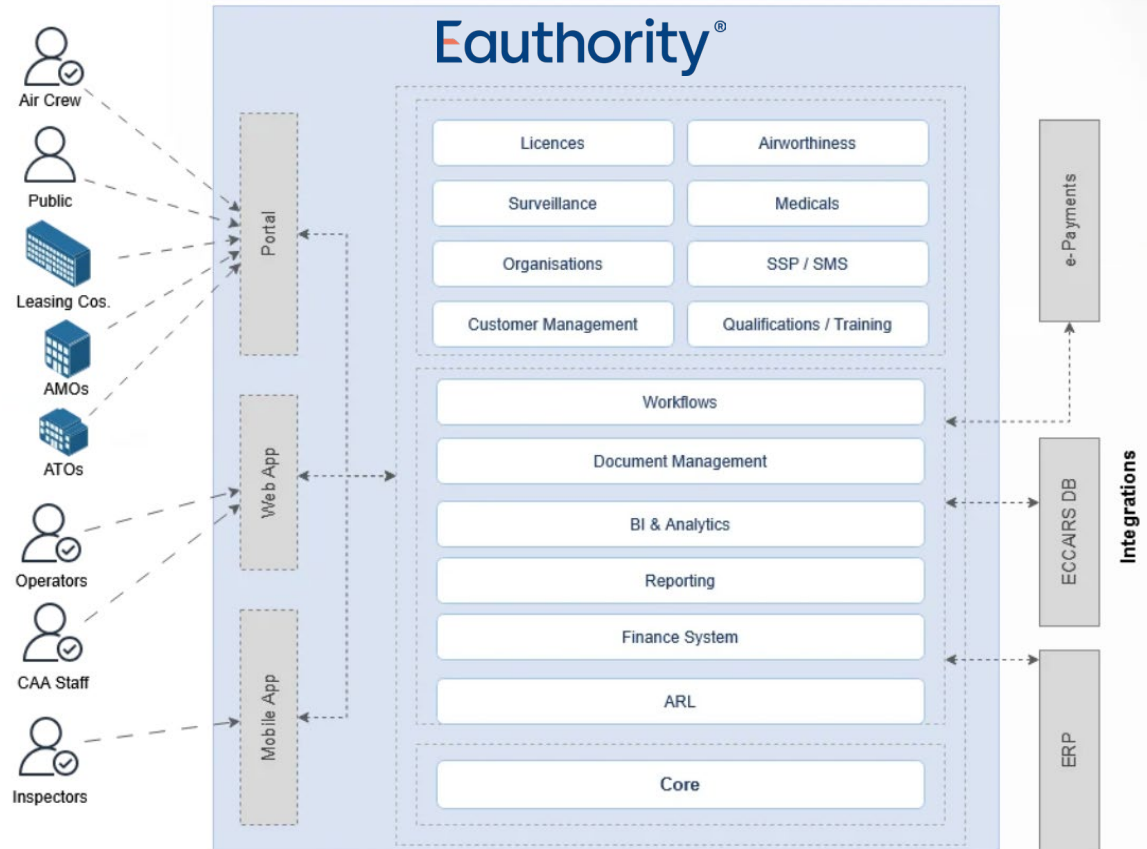
Manages the qualification for the Civil Aviation Authority Staff

Customer Management

Manages Customer Data

Aviation Regulatory Library

Process regulatory documentation



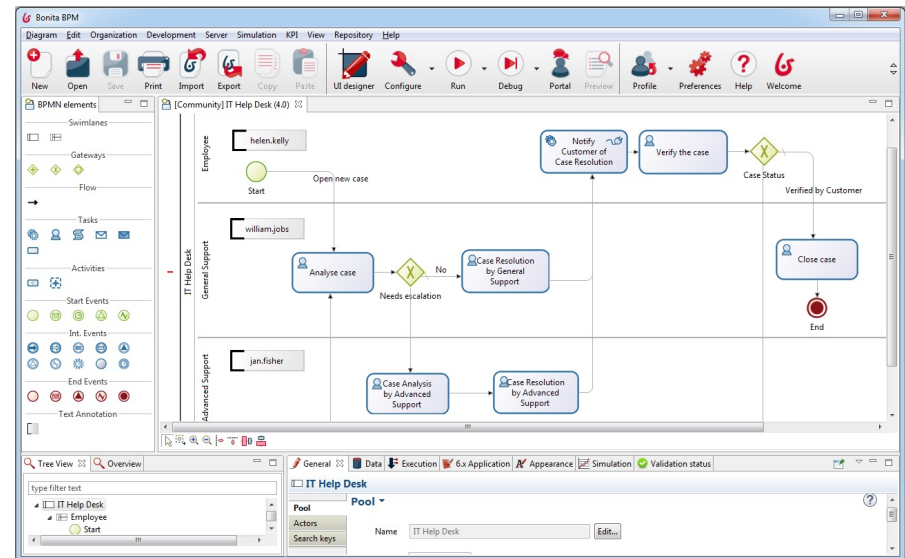
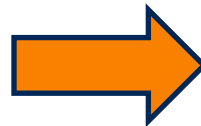
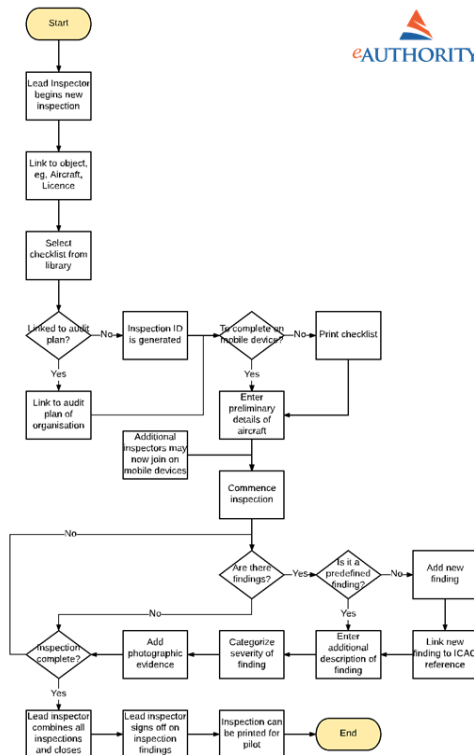
Business Process Management

Each eAuthority process is defined within the BPM, customized to each tasks.

✈ A properly configured BPM is proven to bring:

- Reduction in costs
- Improved accountability
- Minimize inefficiencies
- Regulatory compliance
- Enhances business agility

eInspections



Provides the correct information to the right group. Each report/dashboard is customizable.



C-Level

- Top level KPI
- General performance
- Flag top issues
- Drill down into details



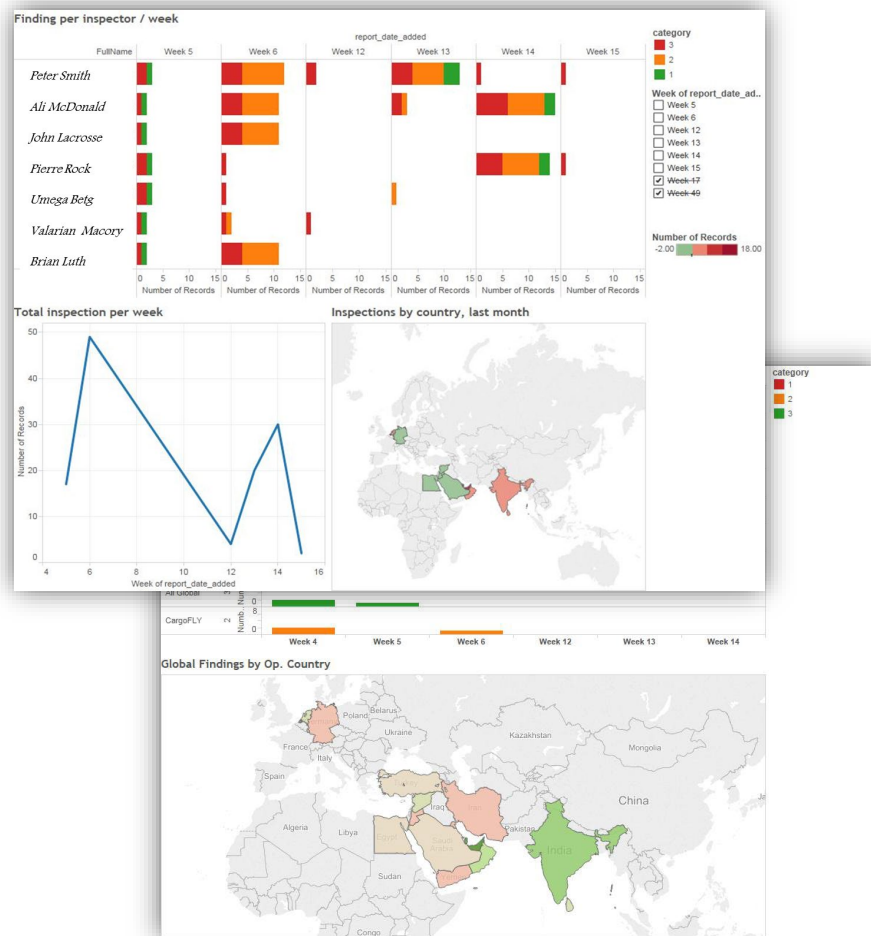
Inspectors, PEL officers

- Specific KPI
- Organisation oversight
- Group - Oversight indicators



Administrative staff, BI

- Document management
- Prepare and register communication



* Example with Tableau application.

Complete Audit System

End-to-end oversight lifecycle, with fees, qualifications and training

THE AUDIT LIFECYCLE

1 Checklists & Templates



Configurable checklists and forms; pre-defined findings, working instructions and linked regulations. Supports CBO and RBO/PBO focus.

2 Planning & Scheduling



Automatic scheduling by interval or event; resource planning honours inspector availability and qualification.

3 Execution



Single or multi-inspector audits with a lead/associate model; web or paperless mobile (online/offline), with e-signature.

4 Findings Management



Findings raised with evidence to the DMS, categorised (CBO 0–3 / RBO risk-weight), due dates and extension control.

5 Follow-up & Corrective Action



CAPs, root-cause analysis and updated manuals via the customer portal; must be satisfied before closure.

6 Closure & Reporting



Inspection closed once follow-ups met; dashboards track CAP status, open findings and compliance trends.

SUPPORTING PILLARS

Fees & Payments



- Scheme of charges applied per activity
- Order, invoice generation & dispatch
- Integrated with certification phases

Qualifications & Credentialing



- Role-based qualification & competency profiles
- Credential issue, renewal, suspension, revocation
- Auto-check of inspector authorisation at assignment

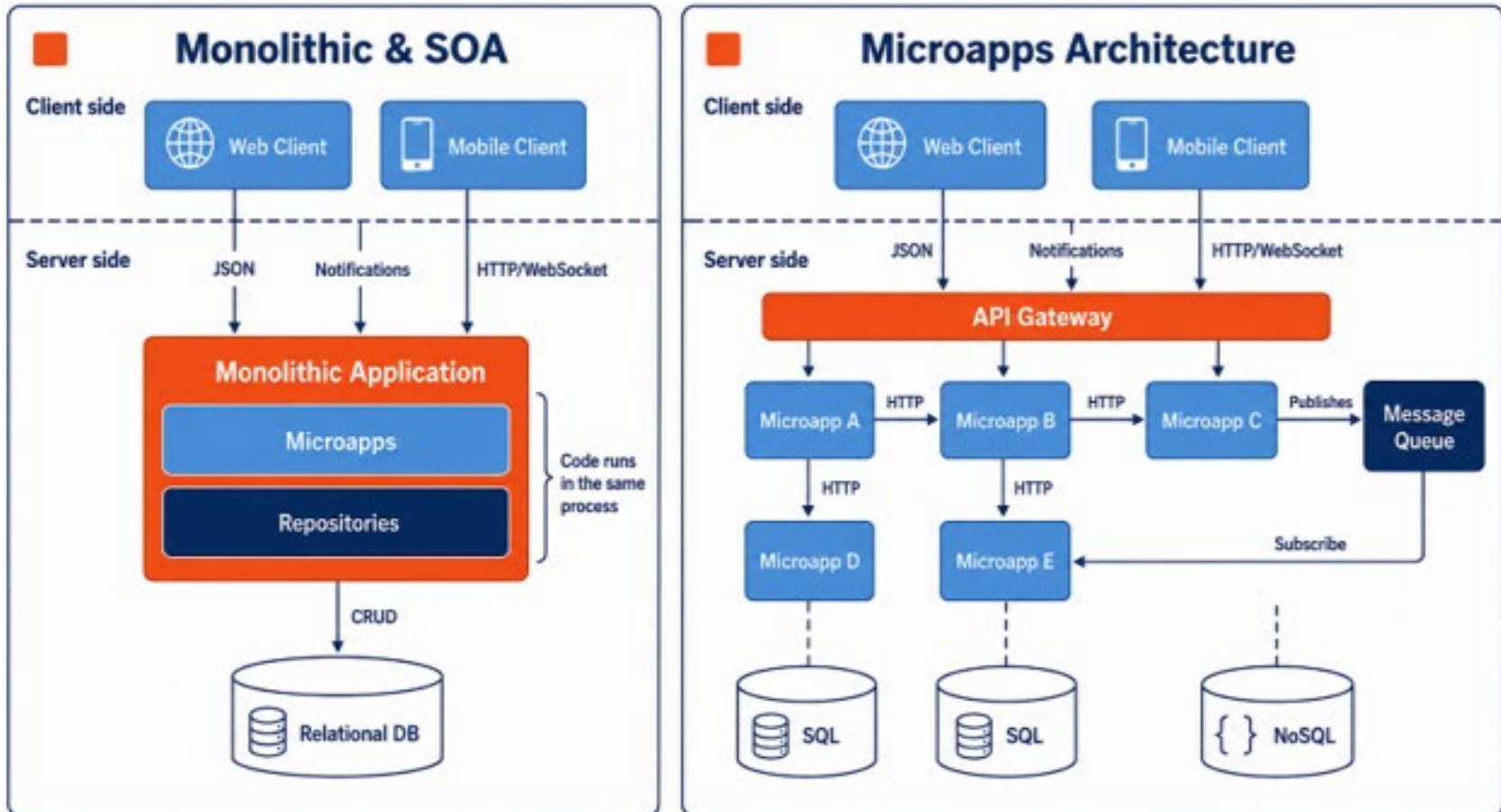
Training



- Course & training management with assessment
- Training schedule and recurrent courses
- Evaluation: budget, completion, records

Monolithic vs Micro-Applications

Modern architecture built for scale and continuous innovation



- Traditional monolithic applications centralize business logic, data access, and deployment into a single application, making updates, scaling, and maintenance increasingly complex as functionality grows.
- Our micro-apps architecture decomposes the platform into independently deployable services connected through an API Gateway and event-driven messaging. This enables teams to develop, deploy, and scale capabilities independently while maintaining secure, reliable communication across the ecosystem.

Seabury Solutions applies a six-stage business process for deploying eAuthority, refined across implementations from small operators to large national carriers and authorities.

Refer to Project Management Guideline

- Bring Agile methodology, when possible, each step is validated by CAA
- Key elements to set:
 - Steering committee: Business leaders
 - Project Management Team 2-3 PM.
 - Working Group
 - Agreement on Project Management

1



Requirements & Gap Analysis

As-Is / To-Be mapping of CAA processes to eAuthority modules.
Analysis of external system

2



Configuration & Customization

Align workflows, forms and business rules to CARs framework.
API to external system

3



Data Migration & Integration

Transfer legacy data; connect licensing, finance and identity systems.

4



User Acceptance Testing

CAA validation of functionality, compliance and reporting.

5



Training & Go-Live

End-user training, documentation and final deployment.

6



Ongoing Support

Post-go-live maintenance, updates and continuous improvement.

Configuration Considerations

Configuring eAuthority around CAA's operating model

Working Group Optimisation

- Start with a baseline eAuthority application
- Presentations and uses during the WG
- Document the configurations and customisations
- Implementation
- Data migration and
- Go-Live (partial)



User Interface Customization

- Personalize the user experience per role
- Customize how forms are displayed
- Configure and filter workspaces
- Search-driven navigation and action search
- Keyboard shortcuts for power users



Work methodology & policy coverage

Capture CAA's methodology, policies, restrictions and guidelines to define system scope.



Organizational structure & roles

Map users, permission levels, resource groups and role-specific training needs.



Reports, forms & special queries

Identify pre-arranged report formats, custom queries and special functional requirements.



Third-party integration needs

Assess candidate integrations with other CAA applications early, so scope is defined up front.



Document Management

Interoperates with external DMS/archives, or uses the integrated DMS.



Payments & CRSM

Payment gateway & accounting integration for fee collection, remission calc., cost recovery.



Identity Providers

SAML 2.0 / OAuth 2.0 for SSO and multi-factor authentication.



BI & Reporting Tools

Direct DB connectivity for Crystal Reports, SSRS and other analytics tools.



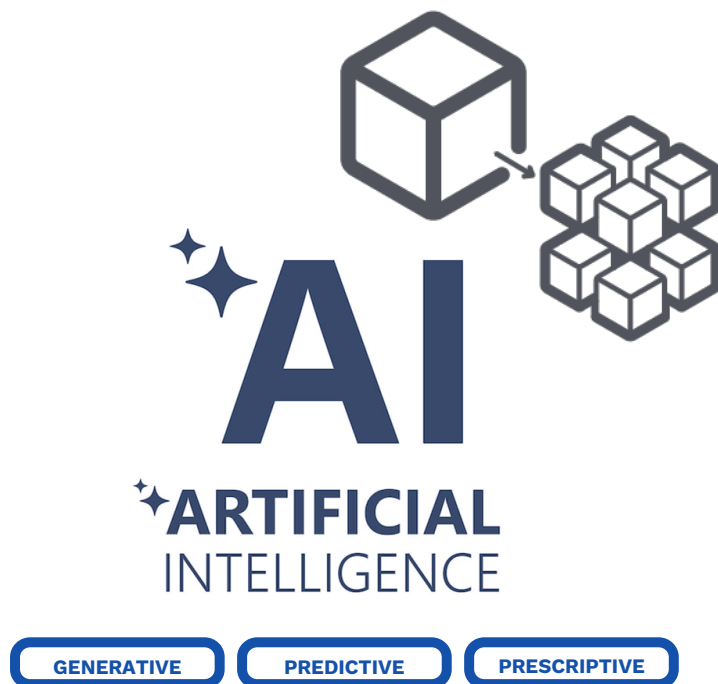
Legacy Data Sources

Structured migration path for personnel, organization and asset records.



Others: ECCAIRS & Safety Systems

Extensible integration framework supports safety-intelligence data exchange.



■ Ai, Limitations

- Seabury uses Ai for plain vanilla application development, requirements, test case and others
- Idea: ChatBot, Flagging fraud, optimising oversight planning, RBO, others

Today, the limitations of Ai are:

- Seabury can't use the client's information
- Ai residency and policy
- Each country has it owns policy, limitations and preferences
- As such, it is challenging to scale Ai to the general feature and as an integrated solution