



# Portal of the Order of Architects

A Digital Services Portal  
Enhancing Professional  
Management





## Challenge

The Order of Architects faced the need to modernise its digital presence and service delivery. The existing portal, in operation since 2014, was technologically outdated and no longer supported the organisational restructuring of the regional sections. In addition, it did not meet current expectations for usability, interoperability or digital service delivery.

Beyond upgrading functionalities, the strategic objective was to position the new Portal of Architects as the main digital gateway to the Order's services. This included supporting the transition to fully digital processes and complying with the Single Desk services and administrative modernisation recommendations defined by the Agency for Administrative Modernization (AMA).

## Solution & Functionalities

Caixa Mágica developed the solution using the Qt Framework and C/C++, along with open-source technologies such as OpenSSL and Poppler.

This enabled a modular and adaptable middleware that meets the technical and functional requirements of AMA, IRN, and INCM. Development follows agile methodologies with regular updates, and the solution is fully documented on GitHub for transparency and accessibility. The use of the EUPL 1.2 license reinforces the commitment to open source.

## Key functionalities include:

### Public Access

Responsible for interacting with visitors and registered users, it is easy and intuitive to use, following principles of simplicity, navigability, responsiveness, accessibility, consistency, visual hierarchy, and user experience.

### Back Office: Administrator Area

Provides an intuitive, secure Back Office for efficient service delivery. Services are divided into the Administrator Area, National Governing Council (CDN), and OA Secretariat Services, with user authentication for accessibility and control.

### Front Office: Candidate, Trainee, and Architect Area

Used by OA members, these areas offer intuitive access to services such as QR code validation, secretariat requests, treasury services, user profiles, and documentation, helping users complete tasks efficiently.

### Portal Interoperability and Additional Services

Connects with AMA authentication, Membership Management, OA Document Management, and iAP services like SCAP for validated digital signing. Includes QR code validation and scheduled tasks. A Single Sign-On solution allows access across OA sites, with content adapted to the user's registered section.

## Impact

### ✔ Enhanced User Experience

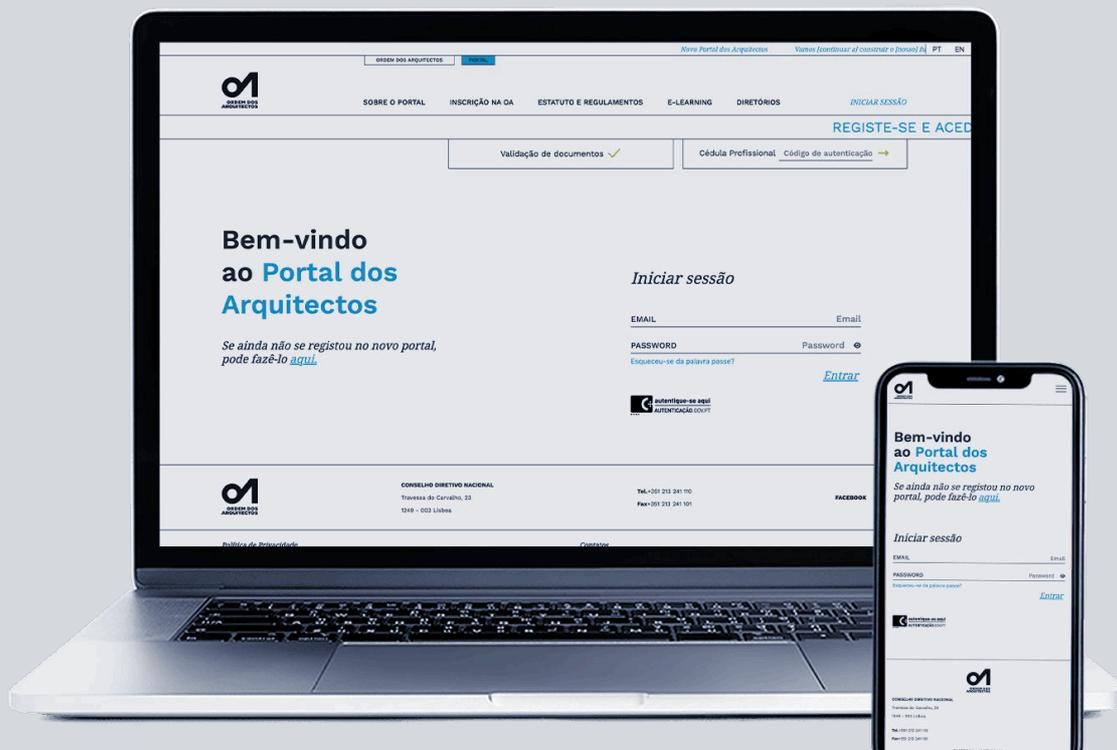
A modern, intuitive and accessible interface significantly improved how members interact with the Order, reducing friction and simplifying access to services.

### ✔ Administrative Modernisation

The portal aligns with AMA recommendations and best practices for digital public services, supporting the dematerialisation of processes and reducing administrative overhead.

### ✔ Simplified and Centralised Services

Architects can now access a wide range of services through a single digital entry point, including professional certification, financial services and administrative requests.



- ✔ **Interoperability and Digital Integration**  
Seamless integration with national systems and professional certification platforms enables secure digital signing and efficient collaboration with external entities.
- ✔ **Security, Control and Operational Efficiency**  
The Back Office provides robust control, secure data management and efficient service administration, ensuring reliability and compliance.
- ✔ **Stronger Member Engagement**  
By improving accessibility, response times and service transparency, the new portal strengthened the relationship between the Order of Architects and its members.

## Conclusion

The new Portal of Architects represents a significant step forward in the digital transformation of the Order. By combining user-centred design, interoperability and compliance with administrative modernisation standards, the solution improved operational efficiency, enhanced member experience and reinforced the Order's role as a modern, digitally enabled professional institution.