



Customs Clearance Portal Case Study

Full Revamp of a
Customs Clearance Portal

01

FULL REVAMP OF A CUSTOMS CLEARANCE PORTAL

Owing to our experience and reputation in providing cost-effective web and mobile enterprise solutions, our client in the Middle East, tasked us to upgrade their existing Customs Clearance Portal. The requirement was to completely upgrade the system to latest technologies, migrate to other widely used web browsers, fix bugs, and enhance the user interface – a full revamp. We proposed methods of streamlining the receipt generation capacity of their existing system in addition to adding user-friendly menus. The solution adds master pages, tweak the UI, streamline receipt generation, and add more useful features.

02

The Challenge

Our main challenge was to preserve the existing database structure and data. Our team encountered another challenge during the testing phase as we were not given access to integrated applications in the system due to security reasons. We replicated the data manually for testing purposes.

03

Our Solution

The existing system was developed in ASP.NET 1.1. Our developers upgraded the framework to ASP.NET 4.5 using VB programming. There were various sections in our client's portal, each of which using separate pop-ups in different pages. Our team designed the upgrade with all popups visible in a single page under their respective sections. Prior to the upgrade, the system uploaded manifest details of various consignments in bulk. We streamlined the upload system to extract data properly from external users. The solution brought order and made receipt generation less sophisticated. The application used to run on older versions of Internet Explorer. Post upgrade, it was made compatible with Google Chrome and Mozilla Firefox.

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Upgrade existing portal to latest technologies with enhanced UI

04 | Basic Features Includes

- User friendly interface for shipment declaration pages
- Generate delivery order/export bills with embedded barcodes
- Separate modules for shipping, free zone clearance, air/sea cargo & vehicle clearance
- View/download duty & deposit reports
- User management for various personas
- Enhanced security

05 | Technology



06 Results

Streamlined receipt generation and data management, enhanced security

07 Business Benefits

A 'Help' option for users to grasp the functioning and elucidate their doubts

Modular data management and structured reports brought order

Time consumption was reduced

Safeguarded customs operations with a controlled flow of goods increasing overall operational speed and efficiency



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CUSTOMS CLEARANCE PORTAL

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SolGenie HQ Office
4725 Peachtree Industrial Blvd,
Suite 200, Norcross, GA - 30092.

Phone. (470) 381-2300
Email. info@solgenie.com
www.solgenie.com