



ENGLISH VERSION

AMPLUS

THE COMPANY

AMPLUS was established in April 2006 aiming at offering state-of-the-art applications and highly advanced and reliable integrated software solutions, as well as innovative products and services to:

- Financial institutions
- Telecommunication companies
- Public & private Sector

On a full-time basis, **AMPLUS** employs, in total, over 25 people with higher education degrees, postgraduate qualifications and long experience and expertise in sales, design and development, as well as management of large and complex IT projects.

THE OBJECTIVES

The company objectives include:

- Design and Marketing of innovative products and solutions
- Accurate, quick and quality provision of services
- Integrated solutions, tailored to the needs of every customer
- Partnership building strategy aiming at expanding the field of operation by taking advantage of modern expert knowledge techniques

THE SOLUTIONS

The solutions offered by the company include:

1. Design and development of specialized innovative applications related to:
 - ✓ Compliance issues of Banking Institutions.
 - ✓ Electronic Transaction Security issues to safeguard banking institutions and their clients against potential money anti-laundering or/and terrorist activity risks.
 - ✓ Promotion, Integration and Deployment of systems for Satellite Multimedia Advertising e-Broadcasting in bustling places such as Bank Branches.
2. Sale of computing systems and software.
3. Provision of integrated and specialized services customized to customer needs and technical support of (third party) IT systems and software.
4. Planning and management of large and complex IT projects.

THE CERTIFICATION



Recognizing that a certification of the company's quality management system by a competent accreditation organization constitutes the most suitable means so as to consolidate its existing organizational structure, **AMPLUS** has been certified according to the requirements of the CYS EN ISO 9001:2008 standard regarding the following activities: "Software Development and Marketing, Marketing of IT Systems, Design and Implementation of Integrated IT Projects, Provision of Information System and Data Security Consulting Services, Provision of Technical Support Services".

BLSS

"Banking Legal Services system" (BLSS), an integrated monitoring system of a financial institution's legal cases

The **BLSS** constitutes an integrated monitoring system of the legal cases of a financial institution.

Legal services of financial institutions manage numerous legal cases of different types, which demand constant and daily handling by their personnel so that their progress is thoroughly supervised and the course of their tasks is checked step-by-step.

Up to present, these requirements have been met by managing, organizing and filing a significant amount of printed materials, which is transferred to and from the bank's branches and legal department, a process that is particularly time-consuming, de-centralized and thus, ineffective. With a view to resolving the aforementioned problems, **AMPLUS** developed the customized software solution "Banking Legal Services system", which aims to electronically cover the totality of existing legal services and meet the requirements of both the legal department and the branches as well as the bank's lawyers in terms of existing legal cases. The solution consists of the following main functional units:

A. User Interactive Shell (User Interface)

It is the solution's management unit, which creates the necessary user interface for the supervision, management and process of legal cases of the bank's customers, through which all relevant required tasks are performed.

B. Legal Case Workflows

It is the solution's functional unit, which internally and independently of the user implements the workflow of a legal case from different user roles for the time period from the beginning of a case until its completion.

C. User Informational Accessories (Reports, Email)

It is the solution's informational unit, which is based on creating dynamic reports about legal cases and reminders, via e-mail, to lawyers concerning their upcoming legal actions.

Operations/Services provided by the application:

- Retrieve a customer from the bank's Core Banking System or create a new customer, not included in the Core Banking System, regarding a legal case.
- Store printed legal case materials in electronic format and in a shared space in the solution's database.
- Classify legal cases based on Standard Case Classifications, as well as create, supervise, process, and search for a legal case in four (4) categories, namely legalizations, underwritings, trials and legal opinions. Furthermore, it is possible to further expand the solution so as to include additional types of legal cases.
- Assign cases to legal professionals (in-house or contract personnel) of the bank's legal department.
- Monitor closely the workflow of a legal case through a separate connected entity (legal case task), which each time is assigned to the authorized user of the time and offers a detailed account of its record.
- Issue reports based on stored information through custom user queries.

DEVELOPMENT ENVIRONMENT

The solution has been deployed as a web-based application using the MS .Net Visual Studio Framework and the advantages of Integrated SharePoint Services. The option to use the integrated SharePoint Services of the Microsoft Office SharePoint Server enables the solution to interactively communicate with the total of the server's pre-built capabilities and Common Applications in a Windows environment.

Provided capabilities include:

- ✓ Implementation of robust security via user identification based on Active Directory
- ✓ Creation of personal UI (User Interface) per user
- ✓ Creation of Common Calendars
- ✓ Interconnection with other applications, such as MS Project - Time Sheets -, Performance Management, etc.
- ✓ Interaction with office applications, such as MS Office Outlook
- ✓ Interaction with the portal's other applications
- ✓ Cooperation allowing the online Collaboration of working groups (e.g. legal professionals involved [communication, message exchange, etc.]
- ✓ Shared Management of Documents-Files through a single interface
- ✓ Creation of a Common Template to support Portal applications

SYSTEM ARCHITECTURE

The solution is packaged in a SharePoint Solution ending in .wsp, that is a bundle of SharePoint items and features. This package fully contains an optimal custom execution code in a C# programming language, which gains access to the installed MS Office SharePoint Server environment of the solution's database through its Windows SharePoint Services APIs. The main reason behind this choice is that the SharePoint Solution is ideal for the deployment of all required files in all Web Front End (WFE) servers in a SharePoint farm and of the code in .NET assemblies.

In addition, it offers flexibility in terms of choosing the execution or non-execution of functionality by enabling/disabling specific features of the solution. As far as the customer is concerned, it is neither necessary that they should deal with the SharePoint database so as to deploy/transfer the solution to a different environment, nor it is essential that a SharePoint environment should be dedicated in the bank's premises.

ENTITIES - LISTS

Custom SharePoint Lists and Document Libraries, where the total volume of data is stored, have been selected as basic entities of the solution. These lists include all the main features of a SharePoint List, while serving, at the same time, the input, modification or retrieval of data from the user's interactive shell (User Interface) via CAML queries or SharePoint API updates. CAML (Collaborative Application Markup Language) queries are employed as rendering language directed to the lists so as to retrieve values from their fields and to display them in the user's interface (web browser) via standard ASPX pages. Additionally, calling SharePoint APIs through C# of the custom code is used in order to update these fields, in case the SharePoint interface capability is not sufficient. Whenever this is not necessary, the user is directed to the typical forms of supervision, input or update of a SharePoint List item through the appropriate links, which are dynamically built.

In short, the main entities, as distributed business-wise in the solution's data scheme, are the following:

1. **Company [SharePoint Custom Lists]**
 - a) Group of Companies
 - b) Group Companies
 - c) Legal Departments
 - d) Company Branches
2. **Customer [SharePoint Custom Lists]**
 - a) Customers
 - b) Customer Real Estate
3. **Documents [SharePoint Document Libraries]**
 - a) Legalization Documents
 - b) Underwriting Documents
 - c) Trial Documents
 - d) Legal Opinion Documents
4. **Legal Cases [SharePoint Custom Lists]**
 - a) Legalizations
 - b) Underwritings
 - c) Trials
 - d) Legal Opinions
5. **Legal Tasks [SharePoint Tasks]**
 - a) Legalization Tasks
 - b) Underwriting Tasks
 - c) Trial Tasks
 - d) Legal Opinion Tasks
6. **Legal Case Components [SharePoint Custom Lists]**
 - a) Underwriting Real Estate
 - b) Trial Actions
7. **Reports [SharePoint Custom Lists]**
 - a) Reports
 - b) Report Queries
 - c) Report Components
8. **Parameters [SharePoint Custom Lists]**
 - a) Parameters
 - b) Courts
 - c) Land Registries
 - d) Municipalities - Communities
 - e) Property Types
 - h) Cities
 - i) Public Finance Services

WORKFLOWS

The workflow of all four accepted types of legal cases (Legalizations, Underwritings, Trials, Legal Opinions) has been developed in a SharePoint Feature format, embedded in the SharePoint solution of the executable code. Each feature is enabled as a Site Collection SharePoint Feature in the solution's SharePoint Site Collection, and is connected with the SharePoint List of the respective legal case, so as to create a task to the relevant SharePoint Task as soon as a case is created.

Thus, the four legal case workflows are included as code in the following Site Collection SharePoint features:

- Legal Services System Legalization Workflow
- Legal Services System Underwriting Workflow
- Legal Services System Trial Workflow
- Legal Services System Legal Opinion Workflow

Performing actions regarding the tasks of a legal case by all users is realized via the respective ASPX page, which is based on a respective SharePoint Content Type for each SharePoint Workflow, similarly developed as a Site Collection SharePoint Feature, that is:

- Legal Services System Legalization Task Content Type
- Legal Services System Underwriting Task Content Type
- Legal Services System Trial Task Content Type
- Legal Services System Legal Opinion Task Content Type

REPORTS

The solution's reports are based on a configured dynamic user interface, whose structure consists of (3) SharePoint Custom Lists.

These lists are as follows:

- Reports
- Report Queries
- Report Components

The Reports list includes the total of reports available to the user, by title as it will be displayed upon selection as well as with an explanatory description of their action.

The Report Queries list includes the total of report queries available, the report to which they belong, the data source (SharePoint List) of the queries, as well as join conditions (JOIN CONDITION) for other queries so that a more complex query can be created.

Finally, the Report Components comprises all the fields included in a query, and thus in a report. These fields are characterized by their type (criterion, result, or both), their data source, their format, possible default values in case they are included as criteria, as well as their operator in the query.

Queries supported by the solution's functionality are the following:

- Open cases
- Cases per time period
- Cases per Legal Professional
- Milestones / Time Period

The reports issued by the solution on the basis of stored information are:

- Open cases per category
- Open cases per category and Legal Professional
- Closed cases per category and customer
- Closed cases per category and Legal Professional

Reports are displayed from the Reports menu, and upon their selection the criteria form of simple or advanced queries is dynamically formatted. Following the execution, the grid of query results is displayed in a similar format with the search grids of the rest of the user's interactive interface. In other words, paging and sorting capabilities are available, while the user is also able to print either the current page or all pages according to sequence and ordering of their choice.

INSTALLATION-USE SPACE

The Software can be installed in:

- A. The premises of the bank's data center (IT Department), where it can be fully accessible to selected users of the bank's intranet. Additionally, a number of Internet users, such as contract legal professionals cooperating with the bank's legal department, for example, will also have access to the deployed solution after being identified by the bank's existing security mechanism. All users have access through their default web browser.
- B. A computing cloud in third-party data center (e.g. Google, Microsoft) and the application is available as SAAS (Software as a Service). The service is fully accessible to registered users though the Internet. Access levels are defined by the center's administrator of the time. All users have access through their default web browser.
- C. The data center of **AMPLUS** and the application is available as SAAS (Software as a Service). The service is fully accessible to registered users though the Internet. Access levels are defined by the center's administrator of the time. All users have access through their default web browser.

AMPLUS A.E

Granikou str. 7th, 151 25, Maroussi
Tel: 2106100020 - Fax: 2106100740
Site: www.amplus.gr - Email: amplus@amplus.gr



www.amplus.gr