



## Products and Services

MBS provides software development services in Ukraine, Europe and the US. According to a Gartner Research study in 2003, MBS is one of the leading IT companies in Ukraine. The short-term goal of the company is to be ranked in the top 15 IT companies in the country given the high quality and low cost of the company's services.

### Services

- **Software Development**

MBS has vast experience in development of custom software solutions. The company delivers tailored cost-competitive, scalable and robust solutions based on a thorough analysis of the customer's needs and product requirements.

- **IT Research**

To support planning and decision making processes, companies need to carry out economic and engineering research to find the business solution that fits them best. Quality and integrity in business research is of primary importance to MBS.

- **Migration, Porting and Re-Factoring**

MBS delivers a wide range of reverse engineering applications including platform porting, language migration and complete system re-designs. The company's experience in this field ensures that the client will receive a re-designed system that retains all of its established business practices.

- **Testing and Quality Assurance**

The company provides specific software testing services to make the client's products reliable and cost effective. Its quality assurance processes meet international standards. MBS uses the latest project development and documentation technologies based on the following standards: ESA (European Space Agency), SSADM (Structured System Analysis and Design Method), IDEF (Integrated Computer Manufacturing Definition) and RUP (Rational Unified Process).

MBS has developed a software testing methodology with four distinct parts: unit testing, system testing, integration testing and acceptance testing.

- **IT Consulting**

Company management are adept at explaining new trends in the IT industry to company clients, which enables them to choose a more appropriate business solution. MBS IT consulting is based on a thorough analysis of the customers' needs and on the company's 17 years of IT experience and success.

## Project Portfolio

The company has had many outstanding projects, including the following:

### **MBS Electronic Banking System (MBS Bank)**

MBS Bank is an automated banking system developed for use as the major operating software for more than 30 commercial banks in Eastern Europe. The system is certified by the National Bank of Ukraine (SEP 0 - 00017, 00018 for model 0, and SEP 1 - 0007, 0008 for model 1).

It can be used by 100,000 clients and unites one central office with up to 64 regional offices, 128 remote offices for each district and more than 1,000 user workstations for each remote office.

### **Benefits:**

- Automatic interaction of all bank departments;
- Efficient data collection, processing and management;
- Easy integration into other bank systems / document management systems; and
- Global environment for all departments (legal, marketing, logistics, executive).

### **MBS Scada**

MBS Scada was developed as a power plant monitoring suite. It also provides a complete set of tools for the operators of manufacturing plants to control and monitor production facilities.

The system involves one real-time server that controls up to 64 workstations and up to 25,000 digital channels or up to 30,000 analogue channels.

### **Benefits:**

- Control and monitoring of production equipment and facilities;
- Custom script programming for collection and storage of signals received;
- Information displayed in schematics, diagrams, trends and reports;
- Virtual tools and user-friendly interface, plus unified style of data input/output with extended archival and reporting capabilities; and
- Distributed real-time architecture with local network support.

### **LCAD**

An automated design system for fibre-optics, LCAD provides software support for designers, system integrators and administrators in maintaining a database for fibre-optical appliances and design circuits. LCAD calculates the specified constraints, tests designed models and more.

### **EDC**

EDC is a software tool for the creation of distributed information interchange systems. EDC, an electronic document management system, was designed and has been successfully tested at major government agencies and enterprises (the Khartron and Monolith corporations and the State Pension Fund of Ukraine, among others), where document management is a crucial factor.

The project can serve 50,000 clients by uniting one central office with 24 regional offices and more than 500 user workstations for each regional office.

### **Benefits:**

- Powerful tools for differentiating document access rights;
- Open software interface to simplify the inclusion of numerous modules of different origin, which considerably expands system capacity;
- Confirmed logic of integration with applications;
- Extended document routing and document lifecycle management; and
- Hierarchical data storage, with documents sorted by usage intensity; document backup on a wide range of media, including streamers and optical disks.

### **Web Shop Engine**

The robust web shop engine developed by MBS can be used to host both the full product assortment of a hypermarket or small online stores. The modules for customers and administrators provide all the functions necessary for online shoppers.

The engine employs one real-time server and up to 64 workstations. It uses RUP/UML and Borland C++.

## Xplorex

Xplorex is a multi-tier web-based system that enables web service providers to offer their subscribers a feature-rich, self-managed e-commerce website supported by an easy-to-use, non-technical administration system and publishing tools. The system can support up to 1,000 users at a time and requires the use of a web server, mail server plus the tools MS SQL Server 2000 or MySQL.

## MBS Messenger

MBS Messenger is a network-based voice communication system that enables companies to unite their remote offices and departments with an independent and cost-effective network of voice communication. It also creates voice chat systems that support a large number of users and generally creates added value as a communication service for customers.

MBS Messenger can support up to 1,000 users and handle conferencing of up to eight users simultaneously.

## Healthcare Services Platform

This healthcare-dedicated services platform is a high-performance software suite integrating the healthcare benefits from multiple providers into a unified system. It provides consumers with clear and easy access to the benefits they can receive, while facilitating coverage of these benefits by employers.

The platform employs the IBM WebSphere Application Server, plus IBM DB2, J2EE 3-tier architecture with additional elements to handle security, scalability and external interface features, as well as MQ Series messaging capabilities. The first release of this system can support from 100,000 up to 1,000,000 users.

## Online Ordering System

MBS' online goods ordering system was developed for a major U.S.-based food chain. The purpose of the system was to create a consumer portal that restaurants could use for online sales and interactive marketing to consumers.

The project involved the use of Linux, Java, Apache Jakarta Tomcat, Derby and ActiveMQ. Its initial release could support from 60,000 users up to 800,000.

## Clients

MBS has developed long-term relations with a variety of customers in various fields ranging from banks and insurance companies to IT providers and e-commerce businesses. A partial list of company customers is given below:



Xplorex - Outdoor Adventure Newswire, Inc.  
[www.xplorex.com](http://www.xplorex.com)



Shape Services GmbH (Germany)  
[www.shapeservices.de](http://www.shapeservices.de)



DataArt, Inc. (USA)  
[www.dataart.com](http://www.dataart.com)



Hartron Corp.  
[www.hartron.com.ua](http://www.hartron.com.ua)



Dakota Imaging, Inc. (USA)  
[www.dakotaimaging.com](http://www.dakotaimaging.com)



Omega Autopostavka  
[www.omega-auto.biz](http://www.omega-auto.biz)



ProfitLine, Inc.  
[www.profitline.com](http://www.profitline.com)



IBS - Information Business Systems  
[www.ibs-company.com](http://www.ibs-company.com)

## Partners

MBS is actively involved in the business life of Ukraine but also supports efforts aimed at helping and promoting socially oriented projects for science and healthcare in Ukraine.

Since 2002, MBS has been a member in good standing of the American Chamber of Commerce in Ukraine (AmCham). Membership in AmCham encourages close business relations with various international organisations.

MBS also has membership in domestic and international associations, including non-profit organisations. In addition, the company's professional activities are supported by powerful Ukrainian consortiums such as USC and eSP.



United Software Corporation



IBM



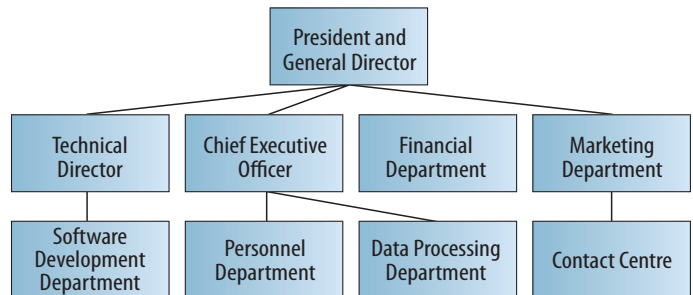
Elite Software Products (eSP) Consortium

## Personnel

The company staff consists of 135 employees, including 25 software engineers, 15 quality assurance technicians, 10 support engineers, 60 data entry specialists and 25 contact centre representatives.

## Organisational Structure

Key MBS departments are depicted below:



## Skills

The MBS team has extensive experience with C# and .NET technologies. It has been responsible for complex projects with multi-tier architecture of up to 10,000+ hours in size.

Platforms	IBM PC, RISC 6000, AS/400, IBM 370-390, EC9000
Operating systems	Windows 9x, NT, XP/2000, UNIX (Linux, AIX, SCO, BSD), OS/2, OS/400
Middleware	Microsoft.NET, J2EE, J2ME, Corba
Internet technologies	ASP.NET, PHP, XML, Macromedia Flash, JavaScript, JSP/Servlets
DBMS	Oracle, MS SQL, MySQL, Sybase, DB2, FoxPro, Paradox, MS Access
Application servers	BEA WebLogic, IBM WebSphere, Borland Enterprise Server, Jboss, Advantage Database Server, Tomcat
Languages	C/C++, C#, Visual Basic, VB.NET, Java, Perl, Assembler, COBOL, RPG, PL/1, Fortran, Pascal/Object Pascal
IDEs/Compilers	MS Visual Studio, Eclipse IDE, Borland C++ Builder, Borland Delphi

The managerial and engineering staffs have English language skills, with all reading the language, most able to write in it and a large percentage able to speak it fluently as well.

