



corax design ltd

Sofia 1680, 21 Kyustendil Str., Bulgaria
(+359 2) 955 59 02
corax@techno-link.com
www.coraxdesign.eu

PRESENTATION

About CORAX

Corax Design Ltd. (former Corax ET) is a private Bulgarian company founded in 1995 in Sofia, Bulgaria. The company is specialised in Windows and Internet programming, development of integrated information systems, data and content processing, and knowledge management consulting.

Since 2003 Corax Design has developed special interest and competence in IT systems for construction industry (AEC), especially in the field of Building Information Management (BIM) solutions.

Key Points

- Expertise in object-oriented programming and design.
- Design, implementation, and support of Internet business solutions.
- Proven experience in offshore development and telecommuting.
- Strong commitment to agile methodologies for software development (a.k.a. eXtreme Programming).
- Ability to meet tight deadlines.

Summary

Key skills:

- Microsoft .NET Framework
- Windows programming (API, COM, .NET)
- MS Office automation
- Database development (MS Access, MS SQL Server, FrontBase)
- Internet technologies (HTML, XML/XSLT/DOM, JavaScript, Perl)
- Internet server-side programming (Java, WebObjects, ASP, ASP.NET)
- AutoCAD programming and automation.

Languages:

- MS Visual Basic, VB.NET, C#
- Java, Objective C
- JavaScript, Perl, VB Script
- XML, HTML, CSS

Key partners

- **KPMG Consulting, The Netherlands**
Since 1996 CORAX works as a subcontractor of e-Solutions business unit of KPMG Consulting, The Netherlands (former Human Performance Technology unit).
Various software products have been developed, mainly in the field of Computer-Based Training (CBT), project management assistance, and Internet-based knowledge management. These products are used now by some major clients of KPMG like KLM (Dutch Airlines), GAK (Dutch Social Security), EDS.
- **ObjectZoo, The Netherlands**
An UK and Dutch based software company working in the area of Internet technologies.
- **Bright55 BV, The Netherlands**
A Dutch Internet Service Provider and Web sites developer, building stockimage web sites for picture agencies, image distributors and publishers.
- **Bisoft, The Netherlands**
A Dutch software consultancy with deep insight into construction industry and strong knowledge of IT development for the AEC companies.

- **Bouwtaak BV (former Bouwtaak Kenniscentrum), The Netherlands**
A Dutch knowledge management company in AEC sector, with strong IT focus; center for innovation implementation of ASVB holding.
- **HorcsikCAD Consulting, Hungary**
A Hungarian company, developing CAD-related solutions; developer of Estimating Desktop (EDT) software for cost estimation and resource planning
- **deBIMspecialist, The Netherlands**
An independent BIM consultancy company, deBIMspecialist delivers expertise to the construction industry, and works with contractors, building owners, architecture firms, developers, software vendors and academic institutions to align the building information needs.
deBIMspecialist pursues also the challenging technical work with BIM solutions based on industry standards as IFC, IDM, IFD, MVD as well Dutch national BIM standards like Coins.

Running projects:

- **SIAS Module 4** - a project designer & calculation tool to streamline the engineering of innovative construction elements for thermal insulation, impact sound insulation and reinforcement. The tool optimizes the engineering process, ensuring central data management, reusability of the created solutions, uniformity and traceability of the design process, and greatly reduces the risk of wrong input or arbitrary decisions. It also provides close integration of AutoCAD drawings and sophisticated structural calculations via Dlubal RFEM 2D package.

SIAS Module 4 is designed to extend the already developed Modules 1, 2, 3 of the Schöck Information Automation System (SIAS).

Developed for **Schöck** engineering department (The Netherlands) in partnership with Bisoft, The Netherlands, and deBIMspecialist, The Netherlands.

Technologies used: .NET, MS SQL Server 2005, RF-COM automation of Dlubal RFEM 2D.

- **WordConnect** - a specialized solution for controlling correspondence processes in organizations. Designed and developed by our client, **CRMconnectors**, WordConnect manages all aspects of this process - from addressing to sending and saving. WordConnect is highly customisable and is fully integrated with Microsoft CRM, Assistance PSO 2009 and Archie and offers great flexibility upon customers' deployment requirements. URL: <http://www.crmconnectors.com>

We joined this project as a subcontractor, writing modules for application configuration, remote document storage and retrieval, and providing customised solutions.

Developed for CRMconnectors (The Netherlands) in partnership with Bisoft, The Netherlands

Technologies used: .NET, ASP.NET web services, MS SQL Server 2005, Microsoft CRM, Microsoft SharePoint.

Past projects:

- **CBK** – Corporate Bank (CBK) is a central repository of reusable knowledge inside a construction company. The knowledge is structured according to properties (attributes) of building types, assemblies (building parts), building tasks and resources. It covers the whole life cycle of a building – requirements specification, design, construction, maintenance. Assemblies can be linked to objects in Autodesk's Architectural Desktop. This way CBK creates an intra-company standard for describing construction projects and stores best practices based on this standard.
Developed for Bouwtaak KennisCentrum, The Netherlands, in partnership with Bisoft, The Netherlands, and HorcsikCAD, Hungary.
Technologies used: .NET, MS SQL Server 2000.
- **WebCalc** – an web-based system for construction project management, working in tight integration with CBK (see above).
Developed for Bouwtaak KennisCentrum, The Netherlands, in partnership with Bisoft, The Netherlands.
Technologies used: ASP.NET, MS SQL Server 2000, XML.
URL: <http://www.webcalc.nl> (Notes: content and user interface in Dutch; user account is required to enter; use Demonstratie link on the home page for an interactive demo)
- **BouwtaakFM** – an web-based system for facility management, based on 3D building models (AutoDesk's DWF format). The application provides role-based navigation, data access and filtering, as

well as options for secure link to other third-party FM applications (e.g. ServiceBeheer, www.servicebeheer.nl). The desktop BouwtaakKFM Editor allows for advanced content authoring and management.

Developed for Bouwtaak KennisCentrum, The Netherlands, in partnership with Bisoft, The Netherlands, and BouwND, The Netherlands, and Service Beheer, The Netherlands.

Technologies used: .NET, MS SQL Server 2000, XML, DWF.

- **ImagosPortal** - a chain of Internet shops (portals), that enables picture agencies, image distributors and publishers to sell digital images online. Currently used by members of the IDA Group (FontShop Benelux, Seridec, TegneCenter, ImagesOnline, Pico Media Store)
Developed for Bright55 BV, The Netherlands/Romania, in partnership with Tuparev Technologies, The Netherlands.
Technologies used: WebObjects, Objective C.
- **RechtsForum** - an web portal for Huethig, a large German legal publisher. Includes online catalogues, message boards, newsgroups, chat, and online training. Developed in partnership with ObjectZoo Ltd, The Netherlands. Corax designed and implemented the online training module.
Technologies used: WebObjects, Java, XML.
- **Maestro** - a custom tool for development of rich and interactive multimedia presentations and computer-based training (CBT). Includes an integrated multi-user WYSIWYG development environment for authoring and a player for clients.
Developed for KPMG Consulting, The Netherlands, it became the main authoring tool of the e-Solutions business unit.
Technologies used: Visual Basic, ADO, API, COM.
- **EDS Project Management Toolkit** - a document management system for computer-assisted project management.
Developed with KPMG Consulting, The Netherlands, and Virtech Ltd., Bulgaria, for the needs of EDS.
Technologies used: Visual Basic, Delphi, OLE, COM.
- **GAK: WPO, VVV, and Leidraden** - an Internet-based knowledge management system, concerning Dutch law, social security regulation and procedures, etc.
Developed with KPMG Consulting for the needs of GAK (Dutch Social Security)
Technologies used: ASP, MS SQL Server
- **e-Book** - a database application for presentation and analysis of results from parliamentary, presidential and local elections in Bulgaria (1992-1997).
Developed for the Central Electoral Committee of Republic of Bulgaria.
CORAX provided database support for the Central Electoral Committee as a subcontractor of Demetra Ltd, Bulgaria.

Future plans:

For the period 2009-2010, CORAX Design is planning to invest time and resources to improve its competence in the following fields and technologies:

- Microsoft .NET platform
- Programming and automation for CAD systems (AutoCAD, ArchiCAD; Dlubal RFEM)
- Windows Mobile development

*More information can be requested from
Mr. I. Stoynev,
Director*

***CORAX Design Ltd
Software integration for construction industry***

Sofia 1680, 21 Kyustendil Str., Bulgaria

phone: (+359 2) 955 59 02

mobile: (+359 889) 46 31 71

e-mail: istoynev@coraxdesign.eu

web site: www.coraxdesign.eu