

## Example of Completed Projects

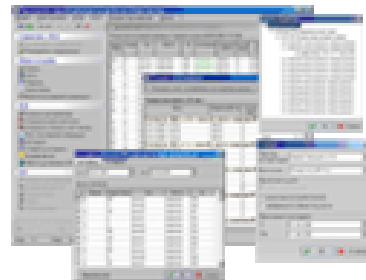
The following portfolio shows a range of but not all completed projects by our teams.

### Goblin

**C++, Borland Interbase, SQL, Windows 2000/XP.**

An electrical energy accounting system.

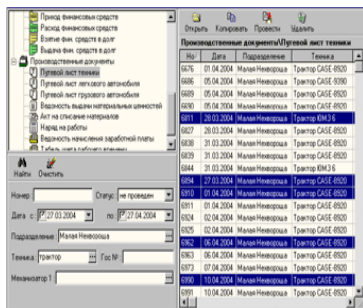
The system is intended for accounting for devices connecting and for remote control of connected devices; automatic data gathering, storing gathered data and creating necessary reports of various types.



Used by energy supply organizations. These special devices have been specially developed to communicate through RS232/485 interfaces and transmitting data over power lines.

### Agro.

**Windows 98/2000/XP, Borland C++ Builder 5.0, Oracle SQL Server 8i, PL/SQL, XML, OLE.**



This complex program was developed specifically for agricultural enterprises.

It also contains branch specific solutions.

Today the system is able to cover a larger spectrum of different production and trade tasks.

Agro is a system of integrated financial and economic production accounting. The main purpose of the program is to provide automation and monitoring of enterprise business processes.

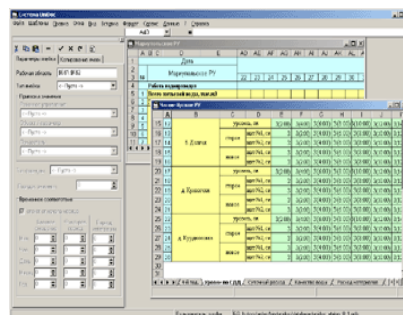


## UniDoc.

**Windows 98/ME/2000/XP, Borland C++ Builder 5.0, Borland Interbase, SQL, OLE, COM.**

This system was designed for automation of enterprise document circulation and the gathering of interim process data flows.

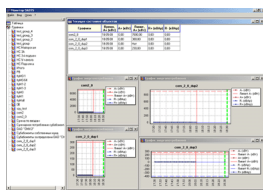
It can be used for daily data gathering from different sensors and counters (for electricity, water etc.), information which is transmitted discretely within specific time intervals.



Outright integration with MS Excel allows to use all types of formatting in order to create any forms of documents and reports, which can be necessary in specific situations.

## OASys.

**Windows 2000/XP, Linux, Borland C++ Builder 5.0, Interbase, AWK, SQL, Cygwin, OLE.**



This is an automated system of energy resource accounting at industrial enterprises of any field or scale.

The main purpose of the program package is gathering integral figures from accounting devices, controlling figures in real-time operation mode, as well analysis and commercial accounting of energy supply consumption.



### Talking Earth.

**Java, XMPP/Jabber, XML, Perl, MySQL, Windows 2000/XP, UNIX.**

This application was used to provide online consultations via the Internet.

Consulting based companies can use the system and can have several consultants/sellers and one supervisor, each can have professional consultants in several categories.

A client, after entering this system, can choose any company from active ones in concrete category to receive a consultation.



All users presences are dynamically updated. More than two persons can take part in consultation session.

Each consultant may redirect his client to other co-workers or invite them to take part in the chat as a group. Both sides are notified of the invitation arrival and response.

A consultant can send an order to the client during their session. The client pays this order. All chat session participants are notified of the order status changing.

A financial module allows to search and browse orders by various criteria, build necessary reports, change order statuses, etc. The application has an auto update feature.

### Mix Master.

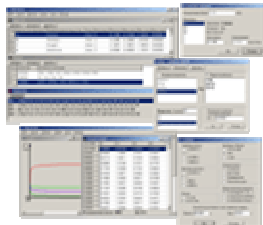
**MS Windows 95/98/ME, MS Visual FoxPro 5.0, MS SQL, COM, OCX, ActiveX.**

The main purpose of this system – is the calculation and scheduling of radio station broadcasting time, as well as operating a music database.

Flexibly setting the scheduling algorithm and providing a user-friendly mechanism of broadcast time subdivision into blocks which allows the calculation of music time length even in the most difficult cases, while considering news, advertisement or any other program broadcasts.

KinCad.

### **Windows 95/98/ME, Borland Delphi 3.0.**



This system was designed to study kinetics of chemical reactions. It was developed on request of chemical engineering institute.

Its main purpose is calculation of chemical agent concentrations during chemical reactions according to the laws of classical kinetics. The system allows to monitor the speed of agent concentration changes, and to predict reaction results.

Network diagnostic framework.

### **C++, ACE, wxWidgets, cryptopp, MySQL, Linux/Windows.**

This composite system consists of three modules:

1. ServerTray (ST)
2. HomeServer (HS)
3. ServerDiag (SD)

ServerTray program resides in the usual Tray location, and offers some remote server diagnosis and correction with some internal data transfer to the central server.

A system clock synchronisation with the HS happens periodically by using an SNTP protocol.

HomeServer is connected to a database, and awaiting for connections from ST which will deliver the internal data transfer messages and pick-up any new ones. Messages containing data about the server and it's status are interpreted and saved in the database by the HS program.

ServerDiag runs from inittab and when an ST connects it will verify the username/password, collect different data and send it back. Also, SD sends information about the server to the HS.

This solution has been developed as a framework and is planned for administration systems development, so it has many other features implemented.



S-Man.

**Windows 98/2000/XP, Borland C++ Builder 5.0, Win32 API, BDE, SQL, OLE, COM.**

This program was designed to automate adjustment, calibration and testing of electric current supply meters during batch production.

A device assembled on the basis of three-phase network generator, control gauge and tested (calibrated) meters, is used to calibrate and check the latter.

The system allows to operate the network generator to set measuring circuit parameters (currents, voltage and an angle between them).

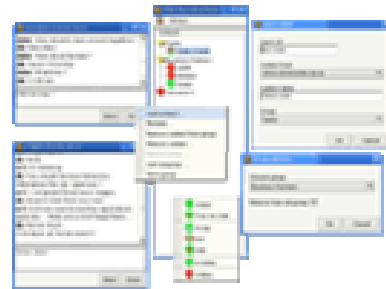
Internet Based Projects

Recruiting Radar Instant Messenger.

**Java, XMPP/Jabber, XML, Perl, MySQL.**

This application is a specific instant messenger, which is a part of a Recruiting Radar web project.

It is used by Recruiting Radar members to communicate to each other in real time. The application has the usual chat elements such as contact list, personal information, multi window chat with several persons, state changing, etc.

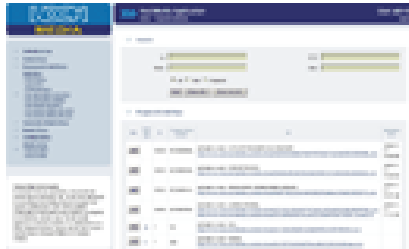


It also has the ability to communicate with other users from ICQ, Yahoo, MSN and AIM networks. A user can customize his interface by applying a skin. All skins are externally stored and could be downloaded from a web site.



Software key purchase administration system.

**HTML, JSF/JSP (Jasper), MySQL, Tomcat.**



This system is used for software activation keys database administration.

The main administrator can monitor user attempts to activate their purchased software; control sold and prepared keys; generate or import new bulk of keys in case of there is a shortage.

Statistical reports give information about generation and import sessions; computers from which an activation attempt was made; amount of sold keys, etc. The system periodically checks unsold (reserved) keys and notifies the administrator via email about a necessity to generate a new batch of keys.

The role-based permission system is implemented to prevent unapproved access to the data held in the system.

Chat engine for aSimpler dating site.

**HTML, PHP, MySQL.**

This is a classical dating site with an instant chat between its members.

Any person can invite another to the chat session; answer an invitation (accept or decline); browse invitation list.

There is an ability to choose an active room from the list and join it. Users can also create or delete their own rooms.



Chat windows support formatted text, a user can set a preferred colour, font and style. Smiles are also supported.

Statistical information is updated periodically. It includes: number of persons (all and online); total number of invitations and active rooms and so on.

Lamp Town web store.

**HTML, PHP, MySQL**



This is a classical web store ecommerce solution which includes all standard elements such as product catalogue, search engine, user accounts, shopping cart, full payment processing functionality and so on.

An administration system is included in this project. The store owner can customize his internet store: edit the catalogue (categories, products), activate necessary payment modules, manage customer orders and much more.