

Information technologies of the Future

The XXI century is the era of informational technologies flourishing. Computers are applicable in all fields of our life starting from the spacecrafts control till shopping making.

Computer networks speeded up the development of computer industry. Internet the global network that linked up users worldwide led to substantial improvement of information processing systems.

Actually operating corporate entities have a complex structure characterized by various multiple interrelations between employees. Moreover, they are geographically dispersed.

One must keep step with progress rather than introduce one time new technology with a view to efficiently accomplish with the company's goals. And only the most advanced, simple and flexible information systems can help.



Alexei Chernykh
CEO OOO Extracode

*As a rule, he (or she) who has the most
information will have the greatest success
in life*

B. Disraeli

About the company

The Extracode Company was established in Moscow in 2000. The general purpose of the Company is to develop and promote advanced information technologies for multi-user operation.

We are experts in making software solutions that enable as follows:

- to get the latest and most reliable data at all levels of the company;
- to arrange concurrent working of a great number of users;
- to consolidate geographically dispersed offices into one informational field;
- to save the users training and system support costs;
- to optimize the process of developing and introducing software complexes.

We use the latest technological and scientific achievements and act in working partnership with various research institutes of the Russian Academy of Science.

Many companies of different activity status have become our customers since we started up. Our solutions are being used by the Special Depository, North-West GSM (now Megafon), GIS NEVA, TB Corporation, Moscow region Department of PARUS Corporation, legal company “Partners”, FGUP (Federal State-owned Unitary Entity) SPA Aurora, InComA Ltd., Megapolis-Line and many other companies.

You can rely on our Company as a reliable and professional partner for cooperation on a long-term basis.



...the deficiency appears always in the point where the creative work finishes and the labor starts

V.G. Belinsky

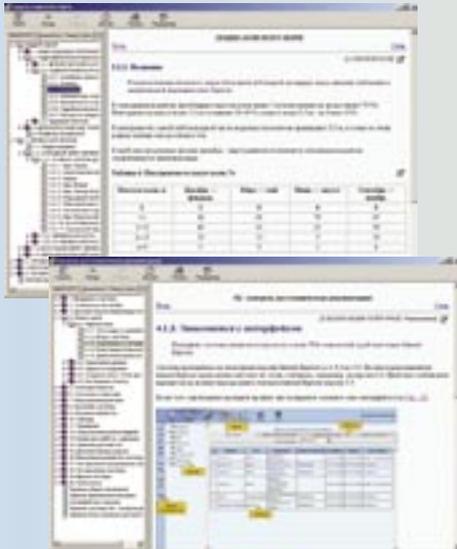


Complex software systems development for accounts keeping

Our company is dedicated to implement sophisticated projects of software development in the shortest possible time.

We are experienced in getting over different problems arising during the development of huge software complexes. We ensure for each project:

- Quality assurance;
- Detailed design of technical solution;
- Accurate documentation processing;
- Teamwork environment formation;
- All bugs records keeping;
- Automate testing system.



The principle of ASSURED RESULT is a distinctive feature of our technology.

Given the design has been accomplished successfully we can assure the development is completed in timely manner.



Rapid project development

A large and labor-intensive contract was awarded to our company to be accomplished within 6 weeks. In the event we succeed to complete it a week before the target time, we are entitled to get a 10% bonus, in the event we fail to complete it in time we are to pay penalty equal to 10% of the total contract amount for each week of delay.

That contract definitely proved our capability. Are we really capable to accomplish with formidable challenges efficiently in timely manner or we are not able enough to do it?

The time schedule was as follows:

- 1 week – design process;
- 1.5 weeks – software development;
- 1.5 weeks – alfa-testing and bugs correction;
- 1 week – beta-testing and customer acceptance.

The project was completed a week before the deadline so a well-earned premium was received. Also we have proved just a miracle can be brought to fulfillment once the task is clearly set and the working process technology is well arranged.

Industrial technologies

Designing our projects we are guided by industrial technologies for software systems development based on the most reliable and time-proved standards.

Our work is based on wide use of the following technologies:

- CVS is a versions control system for documentation and program texts storage;
- SGML+DSSSL+Docbook are industrial tools on preparation of documentation;
- Oracle, MS SQL and Informix are Database management systems for data storing;
- XML+XSL are used for reports plotting and interface form design;
- IE+JavaScript are used for user's interface building;
- Apache+Perl are used to enable server components of Web interface;

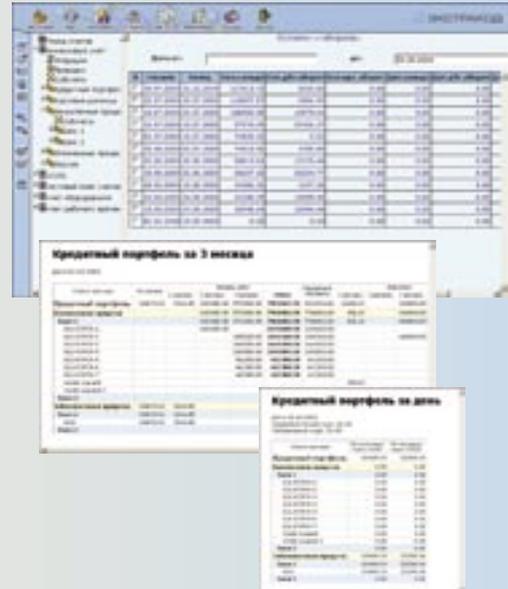
Competent combination of Windows operation system for client workplaces and Unix technologies for server components of the system enables the production of reliable and handy for users software complex.

Advanced technologies modify the standard approach

As an illustration of modern technologies successful application we can demonstrate an experience of our participation in the project on workplace for sea crafts navigation development.

It occurred that documentation-presenting format as compiled HTML file appeared not long ago (chm) suits perfectly to present sea and river sail directions used in navigation long since.

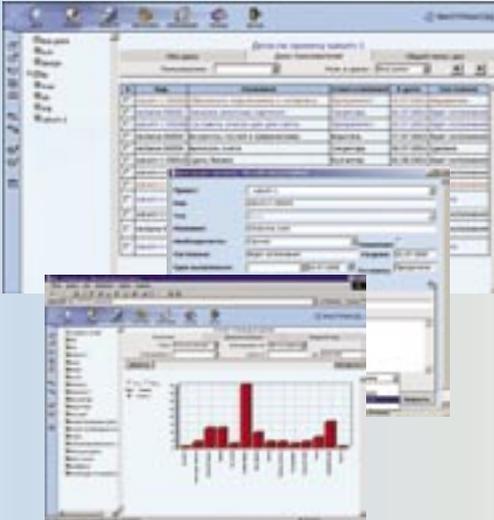
Finally a digitization technology for existing paper sail directions was developed and then they were issued in form of both paper and electronic documents. Combination of such sail directions with the electronic map led to substantial improvement in presenting the information required for navigation.



The single violinist leads himself but an orchestra needs a conductor

C.Marx

SQ task control



SQ task control is the first package product made by our company. It has been recognized both in Russia and in European countries.

The main aim of the system is to control assignments arising in the working process. Either the system can be applied with a view to describe the business processes being in use within the company.

The system is available in various versions: adopted for Oracle and MS SQL, using Windows and Unix. Aside from that, there is a simplified version appropriated for one user operation, as well.

This product is a focal element to perform international projects connecting distant offices from all over the world, joining hundreds of employees, who work in different companies.



Business-2-Business

A solution that can be referred to B2B category has been made on base of SQ task control product. Employees from three offices took part in the work under the project (software product development):

- Central customer office (The Netherlands);
- Regional customer office (Moscow);
- Contractor office (Moscow).

All the working process procedures were described basing on the SQ task control system and duties were distributed between three offices. Above all it implied the correction of bugs and the addition of new issues into the system in use.

The application of SQ system permits not only to reduce the time lap of bugs correction and application of new issues but it gives to the Contractor an opportunity to receive full information about the project ongoing at any moment.

SQ archives

The SQ archives product has been a result of a long investigation in this field. Our engineers have been working on these problems for more than 10 years.

The majority of similar systems offers approximately the same: one storage of documents, a card for each document and searching by the card, or through the text of the document.

Our system differs fundamentally from the common ones. The SQ archives main idea is to create a comfortable corporate environment for the multi-user operation with both documents and other different types of information.

At that the users can not only design the archives structure, but they can add their functional blocks and develop their own systems for documentation processing.

Large volumes of data processing

The technology of system development depends seriously on the volume of data to operate with. Here is an example from our common life: if 5 people are to be transported from one end of the city to another, so only one car is required, if one million people are to be transported, the underground is required. The same thing happens in case of informational systems.

Our company has an experience to build up professional informational systems that are designed to store large volumes of data. In case systems for paper documents processing are to be developed, it implies the use of stream scanners and Jukebox devices for storage.

Such systems are not limited in total volume of stored data. They can store tens and hundreds terabytes of information in direct access (for 15-20 seconds). At the same time a very high level of reliability and low cost of information storing are assured.



Eternity is a world where the Reality was something uncertain and unsettled and where people like him were managing mankind fate and were improving its shape by their desire

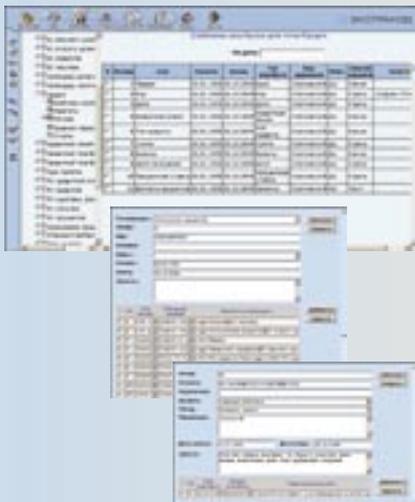
**Isaac Asimov
"The End of Eternity"**

SQ designer



SQ designer is a professional system for developing complex software systems in accounting and bookkeeping.

The main particular feature of the designer is that the programming is not required for the purpose to develop the system. The people, who know the specific matter, can make the adjustment: bookkeepers, analysts, technologists and others.



SQ designer is an informational system of new generation. It permits:

- to create LIVE informational systems, which structure can change dynamically as time goes by;
- to organize the work process regardless of the office geographical location;
- to permit the access of users to the information right up to the particular field;
- to add easily various modules to the system;
- to automate the interface building.



The Special Depository automation

One of the functions of special depositories is to control the non-state pension funds deposits. Each depository attends several non-state pension funds that are distributed through out the country.

So an idea to connect funds to the depository and to introduce the information through Internet appeared. Based on this our company generated a valuable software product in less than three months.

Now only one employee can process the information from more than 70 NPF every day after the system has started working.

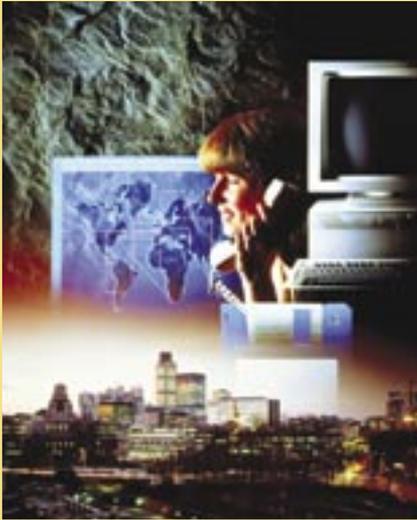
Three months later the special depository achieved the first position in Russian Federation by the quantity of NPFs attended.

Simplicity guaranteed



EXTRACODE

Users support



We aim to maximize the handiness of our systems. Now the support is carried out by telephone, e-mail and ICQ. Important customers can be connected directly to our internal SQ task control system. So we can efficiently react to customers' inquiries and help them in solving their problems.

In the network of support we accomplish as follows:

- Consulting for administrators;
- Training of users;
- Assistance in setting up and operation of our software products;
- Operative bugs correction;
- Any necessary redesign can be made by the customer request.



An informational environment is usually formed in the time of complex projects developing. It involves all necessary personnel both of the contractor and of the customer.

Here is one of gratitude expressions from our customers!
(It is presented as it is without editor's corrections)

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> Hi Igor,  
>  
> This is a Vopak user, thanking us for quickly solving  
> the problem with the double names in the cc reports.  
> Good compliment to you and ExtraCode!  
>  
> Hein.  
>  
> ----- Start of forwarded message -----  
>  
> Subject: dank  
> From: liesbeth.mulder@vopak.com  
> Date: Tue, 25 Mar 2003 10:09:39 +0100  
> To: info@ezwim.com  
>  
> Geachte heer Remmen,  
>  
> Hartelijk dank voor uw reactie en het oplossen van het  
> probleem.  
>  
> Groeten,  
>  
> Liesbeth Mulder  
> secretaresse van P.M. Runderkamp  
>  
> ----- End of forwarded message -----
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RUS SOFT

Our company participates in the RUS SOFT association so we can apply in the project both our own efforts and the potential of other companies.

Consortium RUS SOFT was set up in 1999 as an association of Russian IT developers possessing the major export potential.

Membership in RUS SOFT is very favorable both for our company (as it is a peculiar business card for members of “the best developers’ club”), and for our customers as:

- RUS SOFT associates high class companies of different activity status (from ERP, CRM, BI to antiviral protection and signals processing), it enables the complex service for customers and complex projects developing
- Thanks to continuous trainings and workshops companies-members of RUS SOFT accomplish the project management, quality control, testing and other functions better than other companies.
- RUS SOFT is a guarantor of quality and in time completing of complex long-term projects
- RUS SOFT has gained prestige in international market including Europe, Asia and the United States



Reviews and appreciations

“SQ task control” system is a product with the best coefficient price/quality of all the analogues available in the market. It is an original product and it has absorbed the most needed functionality from both western management automation products and Russian experience of growing business management.



I.T.Kadoschuk, ISO/IEC JTC1 expert,
The Director of National Institute of
Software Technologies



Alexey Petkel, OAO Megafon
Northwest subsidiary

Our company applies SQ task control system for registering requests on service quality of base stations network. The application of the system has permitted to establish records making of requests and to control the commitment of the personnel.

The system is assigned for application by small number of people, who are accomplishing the common task. Actually a number of involved employees is increasing and at a time a number of tasks is keenly incrementing. So we are negotiating with Extracode Company the possibility to implement a required upgrade of the system that will make it more efficient.

And it is worth to mention the personnel of Extracode have proved their great interest in developing the system with the aim to assure customer's requirements.

We have worked for about a year with ExtraCode as our main development partner now, and during that time we have experienced that ExtraCode is a flexible, yet solid development organization, that is as committed to our application as we are. ExtraCode has so far completed every stage of our project within budget.



Hein Remmen
Product Manager EZWIM B.V.
Amsterdam The Netherlands