Smart software solutions





Prof. Andrey Terekhov CEO and founder of the company

Services

- Dedicated software development centers
- Custom Software development
- Custom Hardware development
- Integration/ Maintenance and testing

Company facts

- Production offices in Saint-Petersburg (Russia)
- Founded in 1991
- 300+ employees
- Member of American Chamber of Commerce since 2005
- Co-founder of Russoft association



Typical tasks

```
Industrial management Systems
```

```
Hardware development/Embedded
Systems
```

```
Reengineering of applications and
   DBs
```





Mathematical SW (optimization/analysis)

Information/computer security

[E- learning

Clients Around The World



SW for managing industrial equipment

Typical tasks

Proposed range of automated processes and operations:

- Editing and uploading configuration data (remotely)
- Keeping software and firmware updated (remotely)
- ✓ Troubleshooting
- Managing users and access control
- Data collection and storage
- Data analysis and reporting
- ✓ Status monitoring
- Recording audit traces and logs



Document processing and automated production

- Auditing existing information systems, business processes, and business artifacts
- Creating descriptions with just the right amount of detail and abstraction
- Establishing development needs, creating project specifications
- Integrating with all systems involved in production
- Long-term support for the products we develop, continuing their development, and tweaking them to meet customer needs
- Developing recommendations on how to improve business processes related to information systems

Embedded development

- Real-time Audio & Video processing systems
- Digital TV broadcasting systems
- Digital processors for radio signals conditioning and noise compensation
- ✓ Specialized computers
- Electronics for Ships\Trains
- ✓ Media Centers
- Sensor data acquisition and analysis systems
- Telecom solutions
- ✓ Real-time fault- tolerant systems
- ✓ Surveillance systems



Reengineering

- ✓ System Analysis
- ✓ Knowledge mining
- Legacy systems reengineering and
- Modernization
- Development of automated analysis and
- ✓ conversion tools to work with legacy
- applications



Video processing/ Image recognition

- Analysis of video stream and search information on it
- Processing of video stream on the container level
- Encoding and decoding with industrial coders, solution of transportation problems
- Technology of delivering and processing video content in Internet, video in web & mobile
- Development of video surveillance systems/computer vision systems

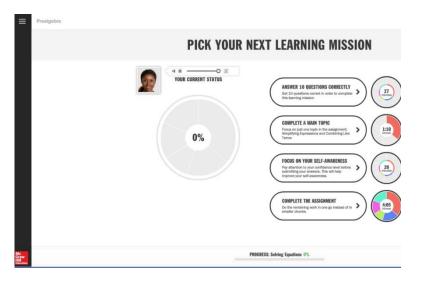


Information/computer security (HW, SW)

- Audit of the system stability in terms of safety and security (application)
- Development of various modules to detect malicious situations on users' computers
- Tracking maladaptive behavior of users, emergence of "insiders"
- Development of a complex of measures to improve security of software and hardware systems
- Development of control systems (hypervisors) executing the code in the OS with the ability to replace the standard functions necessary (for testing, access control, analysis of inappropriate behavior etc.)



Applications McGrawHills (USA)

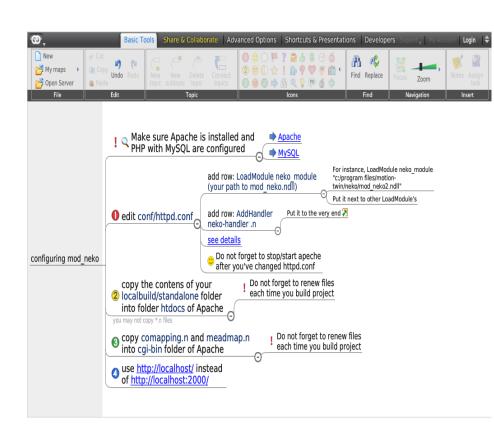


Change Assignment Table of Contents	Using the figure, match the the right.	letter on the left with the pc		
My Reports				
Recharge	Drag statements on the right t			
How to use LearnSmart	Å	ee tê (_ В
	В	pe ga		
	c	fie		_ D
	D	e oa fie		E
	E	ee pl		
		Do you know the answe		
	1 know it	Think so		
φ.				
HB Molese HB Searches gele Normale				

Family of applications in the sphere of electronic education

- The audience: students of the most medical high schools in the US (1 mln + sold during a semester).
- Combination of friendly UIs and optimization of compilers and development of a new type of DSL allowing products for non-programmers to be created, 3D editing.
- Utilizing Adobe© Flash, this cross platform learning application runs on iPad, iPhone, Android, Windows, Mac, Linux and HTML5.

Applications Vizimapping



- Mind-mapping tool to share and manage information, cloud based
- 10 000 users (5 continents)
- Easy& user-friendly idea with scientific background
- Simple way to participate in meetings, seminars, brainstorms remotely
- Support of multiple users working simultaneously
- The technology: HTML5

Applications

SW for process management in auto industry



The audience:

The large-scale car manufacture

SW:

Detection of defects on production line; large-scale logistics system; management system for free location rack;

Friendly UIs of apps, web-based and mobile accessed as well, simplify management and analytics information for the users;

The technology:

Server Side: C#, ASP.NET MVC3, m Java, Spring 3 Client Side: HTML5, CSS3, jQuery lib Database: MSSQL/Oracle Third-Party: OpenXml, log4net

Applications Personal training assistant App



The audience:

Tennis players

How it works:

A player records his training's video and the watch app. monitors the player's movements, strikes and analyses the consistency.

The technology:

Tizen OS, Java

Applications Viherio (sports and golf)



The web-based and native (iOS) golf game visualization application. The main requirements are:

 Act as a social web portal for both golf players and clubs

- Capture data about players' locations from handheld devices in real time
- Allow golf players to re-play their past games, share with friends and analyze the results



contact@lanit-tercom.com www.lanit-tercom.com