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# MS-IDI

## Software & Startup Outsourcing



ms-idi 

# About Us



MS-IDI IS ONE OF THE LATVIAN  
LEADING IT COMPANIES  
SPECIALIZING IN SOFTWARE  
DEVELOPMENT OUTSOURCING

MS-IDI Ltd. is the information technology (IT) company based in the city of Rezekne, Latvia and focusing mainly on the European market. The main strategic direction of our company is IT outsourcing services. We offer high quality information systems solutions and cost effective IT support for both private customers and companies. Our aim is to understand our customers' real needs and provide effective solutions in IT sphere, resource management, etc., so that our customers could concentrate its resources and strength on the core business activities. We apply individual approach providing each client with fully customized and personalized product development. Our company offers development of:

- B2B & B2C solutions for .NET platform (financial & reporting systems, i.e. money transfers, internet banking, etc.)
- Production optimization software
- Innovative software solutions
- Mobile, social and web applications

We provide full information system development and implementation cycle – project definition, business and software requirement analysis, design, development, quality assurance testing, implementation, user training, maintenance and user support.

Our creative team is a group of qualified experts including project managers, business analysts, architects, developers, UX designers and QA testers having wide experience in software development.

[www.ms-idi.eu](http://www.ms-idi.eu)  
[info@ms-idi.eu](mailto:info@ms-idi.eu)

# Who We Are

MS-IDI HAS A COMBINED  
EXPERIENCE OF 5 YEARS IN  
SOFTWARE DEVELOPMENT AND IT  
SUPPORT



Nikolay Pushnyakov



Valery Sherkin



Edgars Rukmanis

## Chairman of the board

*"The core of our team are highly skilled analysts, developers and QA specialists capable of implementing the project of any complexity."*

## Member of the board

*"The primary task of the MS-IDI company is quality execution of the client's assignments. We want to help your business."*

## Project manager

*"Working for this company is my self-realization. Every day I climb one step higher."*

# Our Services

MS-IDI OFFERS A VARIETY OF SERVICES INCLUDING:



## SOFTWARE DEVELOPMENT

- Architecture design
- Requirements engineering
- Software development
- Mobile application development
- Cross-platform development
- Embedded system development
- Performance engineering
- Testing



## USER EXPERIENCE DESIGN

- Use cases and scenarios
- Customer Journey Maps
- Screens Workflow
- Wireframes
- Prototypes
- Visual Design
- Usability Testing



## RE-ENGINEERING AND SOFTWARE TESTING

- Service enabling
- Web enabling
- Platform migration
- Database migration
- Language migrations
- Automated Testing
- Usability Testing
- Security Testing



## SOFTWARE MAINTENANCE AND SUPPORT

- Continuous integration
- Testing
- Quality Assurance
- Technical support
- System performance check-ups
- Software marketing

# Technologies

- .NET
- Mobile development
- Open source web development
- UI / UX / Graphic design



NHIBERNATE



# Case Studies

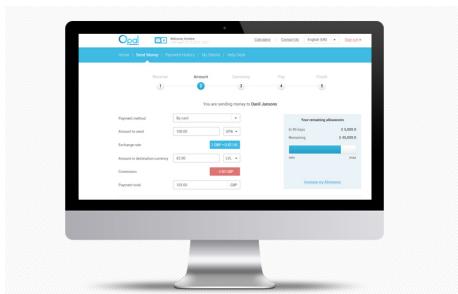
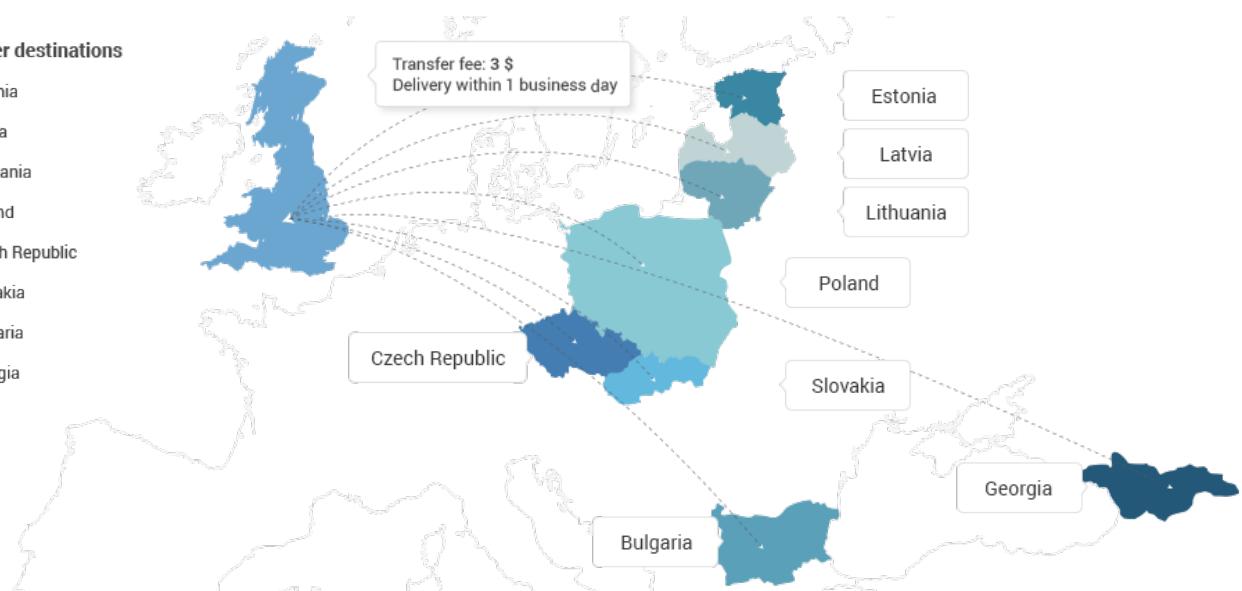
## OPEX COM + BOP

THE SYSTEM PERFORMING MONEY  
TRANSFERS, CREATION OF REPORTS  
AS WELL AS CUSTOMER AND THEIR  
RELATED DOCUMENTS MANAGEMENT

- Project Start: January 2013
- Project Finish: May 2013

### Transfer destinations

- Estonia
- Latvia
- Lithuania
- Poland
- Czech Republic
- Slovakia
- Bulgaria
- Georgia



### Description

Opex Back Office Portal (BOP) is the Opal Transfer's multilingual internal information system designed for money transfer customer and their related documents management as well as creation of reports needed to determine risks and fraudulent transfers.

The system supports both private and corporate customer service in the United Kingdom, Bulgaria, Czech Republic, Georgia, Estonia, Latvia, Lithuania, Poland and Slovakia.

The system's structure is based on the MVC architecture applying the client/server model. The part of the system available to users is implemented as the web application.

### Task

One of the main system functions is creation of the money transfer option. The functionality of reconciliation allows operators automatically performing

merging of both transfers and payments. All the outgoing transfers can be selected by specific criteria, thus obtaining transparent reporting on which basis the responsible persons can take legitimate decisions on fund allocation and etc. Finally, the information on the authorized transfers is exported and sent to the corresponding banks for the further processing.

### Technologies

- .NET Framework 4.5 (C#)

- ASP.NET MVC

- Microsoft SQL Server

- NHibernate

- jQuery

- KendoUI

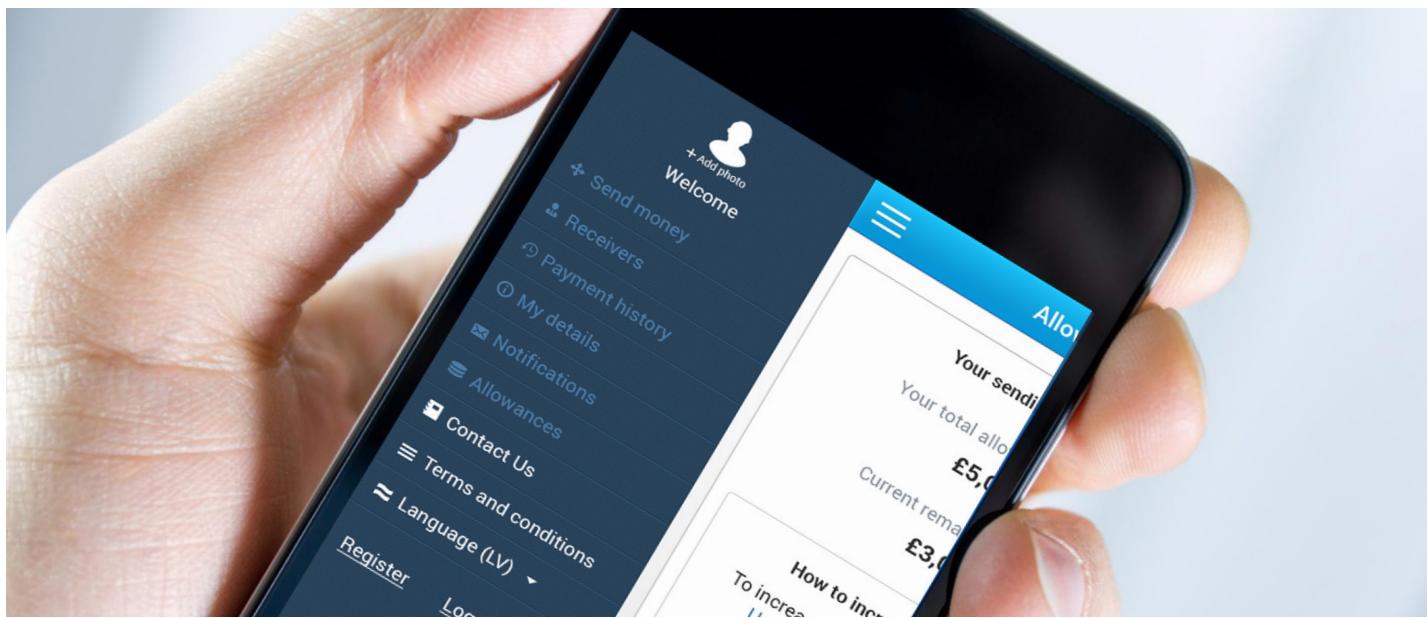
- ZABBIX

# Case Studies

## OPAL TRANSFER MOBILE APPLICATION

MOBILE APPLICATION, WITH  
WHICH HELP THE OPAL MONEY  
TRANSFER CLIENTS CAN CARRY OUT  
INDEPENDENTLY MONEY TRANSFERS

- Project Start: July 2014
- Project Finish: October 2014



### Send money

Receiver      Summary      Pay

**1** **2** **3**

Add New Receiver

Most recent receivers

Mike Foster  
LV12 1000 0111 0100 1000

Lola Foster  
LV80 BANK 0000 4351 9500

**Opal TRANSFER**

← Transaction details

123456-9 123456-8 123456-7 123456-6 >

Transaction status: Sent	
Receiver	Company
To be paid out in/to	EE5544322
Payment Details, if any	Test
Transfer Destination country	Estonia
<b>Destination amount and currency</b>	<b>12.30 EUR</b>
Exchange rate	0.820
Amount sent	15.00 GBP
Commission	0.45 GBP
Total paid	15.45 GBP
Created via	App
Transfer number	123456-9
Creation date	15/02/2014
Sent date	15/02/2014

Email me transaction details

Welcome

+ Send money  
+ Receivers  
+ Payment history  
+ My details  
+ Notifications  
+ Allowances  
+ Contact Us  
+ Terms and conditions  
+ Language (LV) ▾  
Register Log Out

Your sending limit  
Your total allowance  
£5,000  
Current remaining  
£3,000  
To increase your allowance  
How to increase your allowance  
Upload your Prc statement, payslip or other proof of sc  
Also you are welcome to our Centre and we will individually help you

## Description

After putting the project Opal Transfer into operation the companies' executives held talks about another phase of cooperation in the framework of the project on the funds transfer. As a result began the development of mobile application for the Opal Money Transfer clients. The functionality of mobile application, for the most part, repeats the Opex: COM possibilities with some features of mobile devices.

## Task

Opal Transfer mobile app is created for a single purpose - simple and easy money transfers abroad. Make transfers to bank accounts in Bulgaria, Czech Republic, Estonia, Latvia, Lithuania, Poland and Slovakia. User must just log in with his current details if he already has an Opal Transfer account or register as a new customer if he has never used Opal Transfer services before. User can transfer money using online banking or pay by debit card.

## Technologies

- Cordova/Phonegap
- Microsoft ASP.NET Web API
- Microsoft WCF
- Microsoft SQL Server
- Microsoft Enterprise Library
- NHibernate
- Memcached
- WorldPay
- TextMarketer

# Case Studies

## HAND APP

THE CONTACTLESS CONTROL SYSTEM  
CREATED FOR CESIS TOWN HOSPITAL  
IN ORDER TO PERFORM SURGICAL  
OPERATIONS

- Project Start: June 2012

- Project Finish: October 2012



## Description

„Cēsu klinika” Ltd. (the Cesis clinic) is a 24/7 urgent medical care local multifield hospital operating as an independent capital company since January 1, 2010.

## Task

Before the operation the monitor screens display necessary information and usually it is enough, however, when a non-standard situation occurs during the surgery procedures, the surgeon may need to quickly get more information about the patient. For reasons of sterility the surgeon cannot use the standard controller input such as mouse or keyboard, so there was a need to launch a contactless control as it can be realized by the Kinect device from the Microsoft company.

## Camera

For the control realization was chosen the DepthSense 311 camera from the SoftKinetic© company.

## Solution

Our company developed a software product HandApp allowing using hands without any contact to control the information systems on the screen. In point of fact, the program replaces mouse, but also certain actions with windows were facilitated to perform during the operation. Certain actions have been implemented with the help of gestures increasing the speed of the objects movement on the screen.

## Technologies

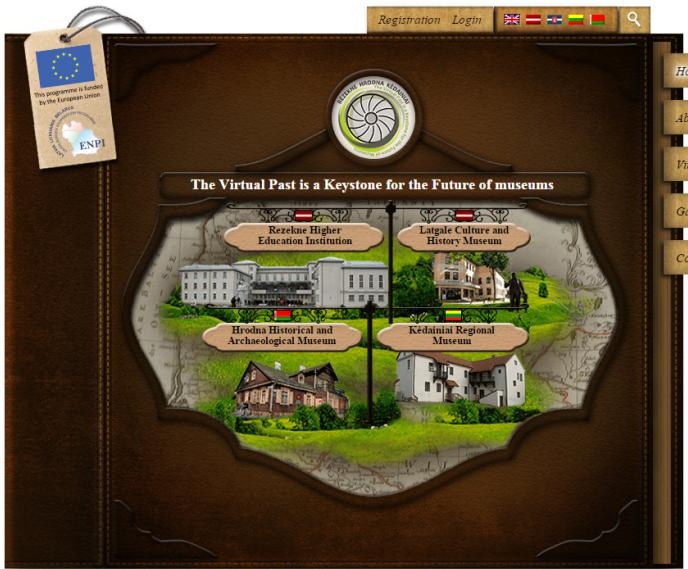
- .NET platform
- SoftKinetic

# Case Studies

## E-MUSEUM

AN INTERNATIONAL WEBSITE  
ABOUT THE MOST OUTSTANDING  
COLLECTIONS OF MUSEUMS IN  
LATVIA, LITHUANIA AND BELARUS

- Project Start: January 2014
- Project Finish: July 2014



## Description

The main objective of the project „The Virtual Past is a Keystone for the Future of Museums“ is creation of an international website where anyone interested can find both the scientific and educational information about the most outstanding collections of museums in Latvia, Lithuania and Belarus, as well as materials from the linguo-territorial dictionary, collected by Rezekne Higher Education Institution. The project consists of several parts, the main of which is the website itself along with information, virtual exposure of the Latgalian cultural museum and four interactive games, reflecting the theme of museums and RHEI research. Games are available both on the website and in the form of independent mobile applications for the most popular platforms.

## Task

For the website development we used WordPress as it has a built-in plug-ins system, which allows to reduce development time. In spite of this, a large amount of work on plugins adaptation was done specifically under the project needs. The visual theme of the website was created as a result of joint work of both designers of MS-IDI and Rezekne Higher Education Institution.

Also in the framework of the project we have developed 4 games (one for each participant) for the most popular

mobile platforms (Android, iOS, Windows Phone), as well as game versions for the web browser. In game development direct participation takes not only the company-executive, but also participants themselves. All audio and visual material were presented by the project participants, so each game stands out for its individuality and uniqueness

## Technologies

- WordPress
- PHP
- JavaScript
- jQuery
- CSS
- Adobe Photoshop
- Adobe Illustrator
- Axure

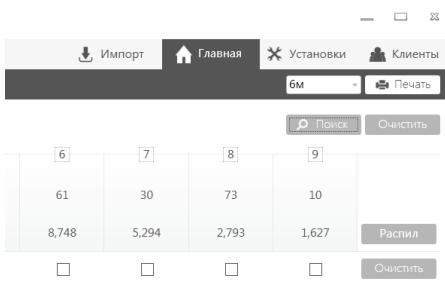
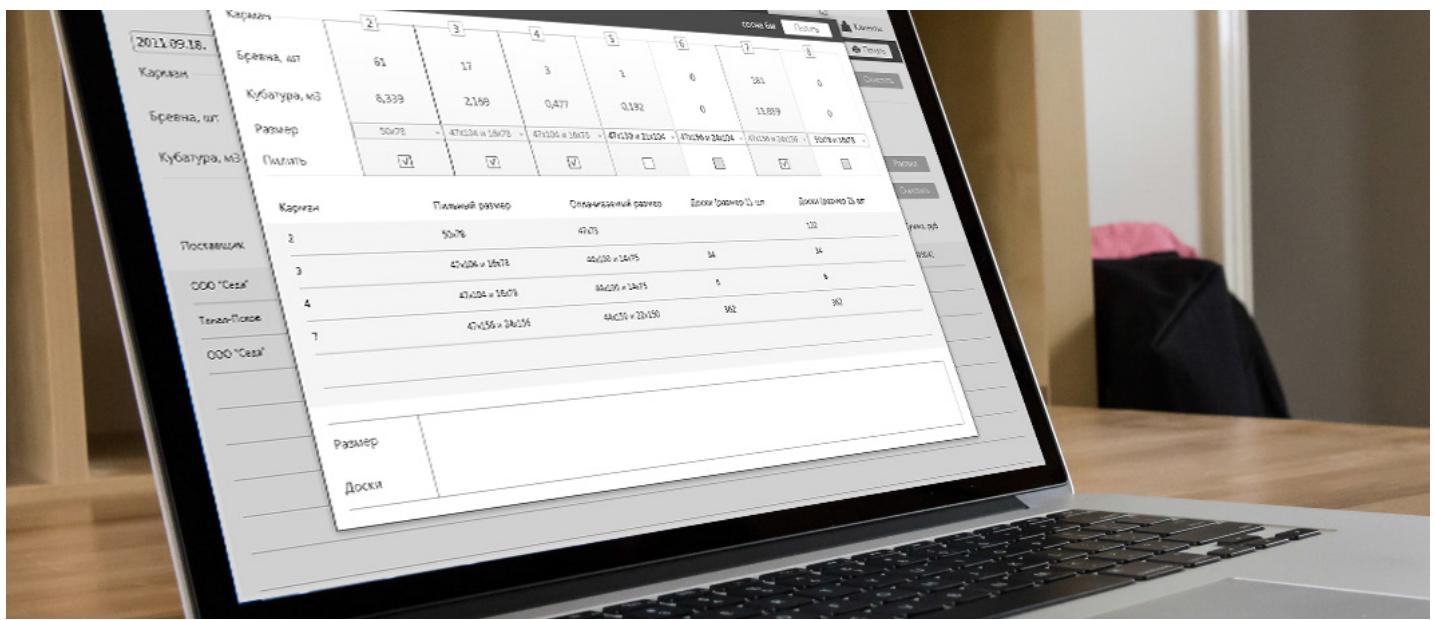
# Case Studies

## GUS

PRODUCTION AUTOMATION OF WOOD  
PROCESSING

- Project Start: June 2012

- Project Finish: November 2012



**ГУС**

- Бревна
- ▲ Склад
- Распил

2011.09.18. [15]	2012.10.18. [15]	Порода	Поставщик
Карман	1	2	3
Бревна, шт	0	185	133
Кубатура, м3	0	11,770	11,226
□ □ □			
Поставщик	Имя, Фамилия	Номер тр. средства	Порода дерева
ООО "Седа"	Танал-Псков	в\м 17-21.05.2012	сосна бм
Танал-Псков	пересортировка	сосна	бм
ООО "Седа"	Танал-Псков	в\м от 17-21.05.2012	сосна бм

## Description

"Tanal – Pskov" Ltd. is a wood-processing company operating in Latvia (Riga) and Russia (Sebezh). The main direction of the company is the primary wood-processing and its export.

## Task

Wood accounting and creation of the consignment notes were partially modernized. The company has the rough lumber sorting machine generating PDF files. Then the person responsible for this process reviews and manually processes these files. Since the processing of each PDF document is time-consuming and labor-intensive, it was necessary to create software that will automate most of this process requiring minimal labor and man-hour.

## Technologies

- VS.NET 2010

- C # 4.0

- .NET Framework 4

- MS SQL Express

- NHibernate

- WPF

# Client Feedback

**Gita Petkevich**  
Member of the board  
Opal Transfer Ltd.

"We are very pleased with the MS-IDI company's contribution to the future of our business. The introduced OPEX system has repeatedly optimized a number of processes taking place in our company, made them more transparent, as well as increased work performance speed and quality. The developed website already processed thousands of transfers within a month. Our clients welcome the opportunity of performing transfers through web. In the near future with your help we will provide even more money transfer options by offering mobile applications. I look forward to equally successful cooperation in the future as well!"

**Edmunds Teirumnieks**  
Rector  
Rezekne Higher Education Institution .

"According to the project "The Virtual Past is a Keystone for the Future of Museums" they had to develop home page ([www.futureofmuseums.eu](http://www.futureofmuseums.eu)) and 4 interactive computer games. I have to mention that developers took an initiative and realized some forgotten but important things for better and qualitative use of solution. The developer team was highly professional and supportive, our ideas and wishes were taken into account. As a result, we fit in the deadlines and we got a qualitative product. We got a good communication between a developers and the project partners. We are ready to cooperate with this great team in our future project, because we know- everything will be in a higher level! "

**Rimantas Zhigulis**  
Director  
Kedainiai Regional Museum

" During the game "Re-create the Arnet's House" elaboration process the developers gave useful recommendations on improvements of the game graphics and the gameplay. All issues regarding creation of the game were solved qualitatively and without any delays. The developers considered our suggestions and completed the game creation exactly as we had planned it. During the implementation of data entry into the data base of virtual museum, the developers implemented their tasks quickly and without any delays as well. Besides, during cooperation we established good communication with the team of the developers, what also helped us to implement all tasks of the project. "

**Ivo Dembovskis**  
Chairman of the board  
Projektēšanas birojs  
Austrumi Ltd.

"We evaluate the collaboration with MS-IDI as successful and very productive. Work with the project was fluent, sometimes pulling ahead of the deadlines we had defined. The developed customer management system has remarkably improved the processes in our company: work with a customer is faster and more qualitative. We have received positive references about our new homepage and it gladdens. Further we plan to collaborate with the company MS-IDI and leaning on our positive experience we can suggest this company as a safe developer of customer management systems and homepages."

**Y. Kiturko**  
Director  
Grodno State Historical and Archaeological Museum

"MS-IDI" Ltd. Company has been working on the website [www.futureofmuseums.eu](http://www.futureofmuseums.eu) development as well as interactive games development for four institutions. During the development of both the game and the website coordinated work of the "MS-IDI" Ltd. was observed. Answers to all the questions at any time of the day, constant interaction with employees of the museum, providing different explanatory information – all tells about the high professionalism level and well-coordinated team of the "MS-IDI" Ltd. company. The main criterion of performance evaluation are positive feedbacks from users and visitors to our institution. Creativity and work within the modern trends allows us to recommend the "MS-IDI" Ltd. development team for projects of any complexity."

**Olegs Pavlovs**  
Association "SEDNA"

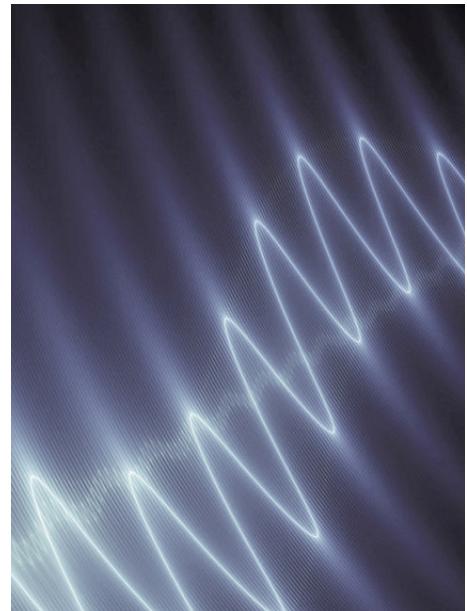
We'd like to thank the team of SIA MS-IDI for the developed homepage of the sports club SEDNA. Already during the first discussions we verified that experienced professionals work with us and we can trust them. During the development of homepage, employees of SIA MS-IDI listened carefully to our requirements, give suggestions and complied with the deadlines in the result a unique homepage was created with responsive design. Several times we have received positive opinions from our customers – activity of sports club has become more transparent and easier for the visitors to use, the number of persons who want to do sports increased. We shall also further collaborate with SIA MS-IDI and leaning on our positive experience we can suggest this company as a creative, safe and knowing developer of homepages.

# Case Studies

## EQPOS

A SOFTWARE PRODUCT THAT  
GREATLY IMPROVES LISTENING  
EXPERIENCE BY RECREATING TONE  
QUALITY AND SOUND STAGE CLOSE  
TO THE ORIGINAL

- Project Start: January 2011
- Project Finish: March 2013



## Description

The EQpos software was developed for the PureSound Technologies Inc. (Sonarworks).

The main objective of the software is fine-tuning and volume adjustment of the loudspeakers. EQpos eliminates all linear distortions and significantly improves subjective and objective sound reproduction of the loudspeakers.

This software is designed for bands, DJs, composers, sound mastering experts, sound engineers, sound system installers, home and car music enthusiasts.

## Task

EQpos PRO automatically corrects:

- The timbre of the sound of loudspeakers (Perceived Acoustic Power correction)
- EQpos PRO uses high-resolution FIR (Finite Impulse Response) filters without phase shifts and patent-pending acoustic measurement technology;
- Volume (SPL) between channels;
- Virtual distance between listeners and loudspeakers (time delays).

## Technologies

- .NET 4.0
- C#
- WPF
- DirectSound
- C++
- VST GUI
- Winamp
- PHP

# Case Studies

## CLAY TRANSFORMATIONS

THE PLAYER IS INVITED TO GO  
THROUGH THE ENTIRE PROCESS  
OF MAKING POTTERY FROM CLAY:  
STARTING FROM THE PRODUCTION  
OF THE MATERIAL FOR SCULPTING  
BEFORE GLAZING AND FIRING OF THE  
POT

- Project Start: March 2014

- Project Finish: May 2014



#### Description

A creatively educational game “Clay transformations” will make it possible to become virtual potters – lords of clay, experiencing clay transformation starting from clay preparation process to the artwork of fired clay. Every visitor may choose whether just to make potter’s ware, or also at each earthenware making stage to find out a variety of interesting facts about the pottery craft and its specifics.

#### Task

The task of the game – becoming virtual potters and making own earthenware, to learn about potter’s craft in Latgale and its basic principles, to explore clay transformation starting from clay acquisition in the clay hill and to burned clay pot. The functionality of the game has been substantially extended by the SoftKinetic camera, recognizing user gestures. With the help of gestures you can pass all the game play, without having to use the mouse and/or keyboard.

#### Technologies

- Unity3D

#### Instalations

50 000



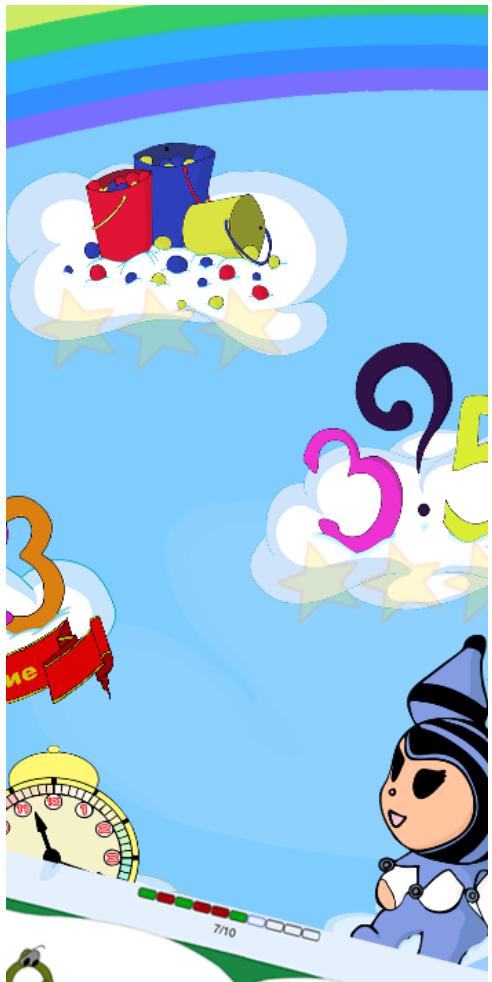
# Case Studies

## PINO

EDUCATIONAL GAME WITH THREE  
DIFFICULTY LEVELS FOR 3-5 YEARS  
OLD CHILDREN

- Project Start: July 2012

- Project Finish: Dec 2012



## Description

The main purpose of the game is that the child initially gets the basic knowledge, i.e. numbers, letters, words as well as comparison of the number of items with the help of his parents and later independently.

Since the game was developed for small children, the positive character named Pino was introduced in the game. Pino accompanies the child through game play interacting with him through animation and sound.

The game is implemented in two languages: Russian and English.

## Some of the mini games

“Colors”, “Which letter is missing?”, “Learning numbers”, “Learning letters”, “Clock”, etc.

## Characteristics

All graphics provided in the game was originally drawn on paper and then transferred to a digital format.

A lot of attention was paid to soundtrack, which accompanies the main character. In both Russian and English version the approximate number of phrases that had to be voiced, equals two hundred.

## Technologies

- xCode (iOS)
- Eclipse (Android)

## Instalations

5 000

# Case Studies

## FAMILUM

SERVICE THAT WILL HELP TO  
REMEMBER THE IMPORTANT DATES  
AND ORGANIZE UNFORGETTABLE  
HOLIDAY



 HappyDays



Frances X. Ramirez



 Turns 20 on

 Marriage day with Susan

 Add other happy day

### Product

Familum is a service which reminds the users on dates that are important for the family and helps arranging festive days, share impressions with other users. The Company plans to develop a cloud service that is available online in the most popular social networks and on mobile apps platforms. Concurrently to this, a business partners and services CMR system will be developed that improves internal processes and attracts new customers. Thus the information will always be with you. Information is stored on the cloud, users may share the information with other persons and feel free that is doesn't get lost, and business partners may follow online their customers by offering their services and products to arrange parties (gift service, flower saloons, restaurant, singers, etc.).

A business partner will have an opportunity to follow and attract new customer, use the advertising services, process applications, follow new suggestions and use other functions that optimize and improve the internal processes.

### Investments and development:

Initially it is planned to develop a mobile app that is available on the most popular mobile apps platforms thus the information is always be with you. Information is stored on the cloud, users may share the information with other persons and feel free that is doesn't get lost. At the moment a demo version is developed and target site of the product [www.familum.com](http://www.familum.com)

**Amount of required investments:  
200 000 euro**



# Web Sites

## WE HAVE COMPLETED OVER 50 PROJECTS

The company has wide experience in development of websites starting from the purpose sites and corporative (companies) homepages to e-stores and homepages with increased difficulty such as customer portals, portals for money transfers. Not only exclusive and professional design is developed for the customer, it contains also most efficient and topical marketing methods that increase the efficiency of a website and allows breaking ahead of other competitors.

The screenshot shows a website layout for "Rēzeknes Namsaimnieks". At the top, there's a green header bar with the logo and navigation links: Aktualitātes, Par mums, Pakalpojumi, E-nams, Informācija, Partneri, and Kontakti. Below the header, on the left, is a sidebar with user information: Jānis Zvīdrs, Atbrīvošanas aleja 28, Dzīvoklis, Nams, Pilsētas karte, and Profils. The main content area features a "Sazināties ar mums" (Contact us) form with fields for Vārds, uzvārds, E-pasts, and Telefons, each containing sample data. To the right of the form are contact details: E-pasts (rezeknes.namsaimnieks@apollo.lv), Avārijas dienests (646 39000), Remontceltniecības iecirknis (646 24502), and Abonentu dala. At the bottom of the page is a detailed architectural floor plan of a house, featuring various rooms like the Master Bath, Kitchen, Dining Room, Living Room, and multiple bedrooms. A yellow arrow points from the "Atbrīvošanas aleja 28" address in the sidebar to the corresponding location on the floor plan. The "AUSTRUMI projektaārais" logo is visible in the bottom right corner of the plan.

**Projektā pi  
kā arī mūsi**

# SERVICES

IDI provide individual software solutions for business and private sectors by bringing new areas of business to life and providing each client with fully customized and personalized product development.

Austrumlatvijas radošo pakalpojumu centrs

Ziņas Jauniešiem Interēšu izglītība Partneri Galerija Pakalpojumi Par mums Kontakti

Latgales Kultūrvēstu  
muzejs

Lat

Energy saving technology "ERT"

This is Photoshop's version of Lorem Ipsum.

Alienum sollicitudin, lorem quis bibendum auctor, nec eti  
consequat ipsum, nec sagittis sem nibh etiam. Duis sed  
odio sit amet nisi vulputate turpis a et amet massa.  
Mallis accumsan ipsum velit. Nam nec felis a odio

How it works?

PORTFOLIO

Webdesign Photography Logo Branding App All WOOD TEAM

Picos Guitars

Latgales Kultūrvēstu muzejs

# Case Studies

## PARTNERSHIP WITH “EXIGEN SERVICES” LTD.

DURING THE COOPERATION BETWEEN MS-IDI AND EXIGEN SERVICES, MULTIPLE PROJECTS HAS BEEN SUCCESSFULLY IMPLEMENTED FOR LARGE CLIENTS FROM THE USA AND EUROPE. AT THE MOMENT COOPERATION SUCCESSFULLY GO ON AND IT IS ALREADY THE 3RD YEAR OF GREAT COOPERATION

# EXIGEN<sup>®</sup>

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# services

## Description

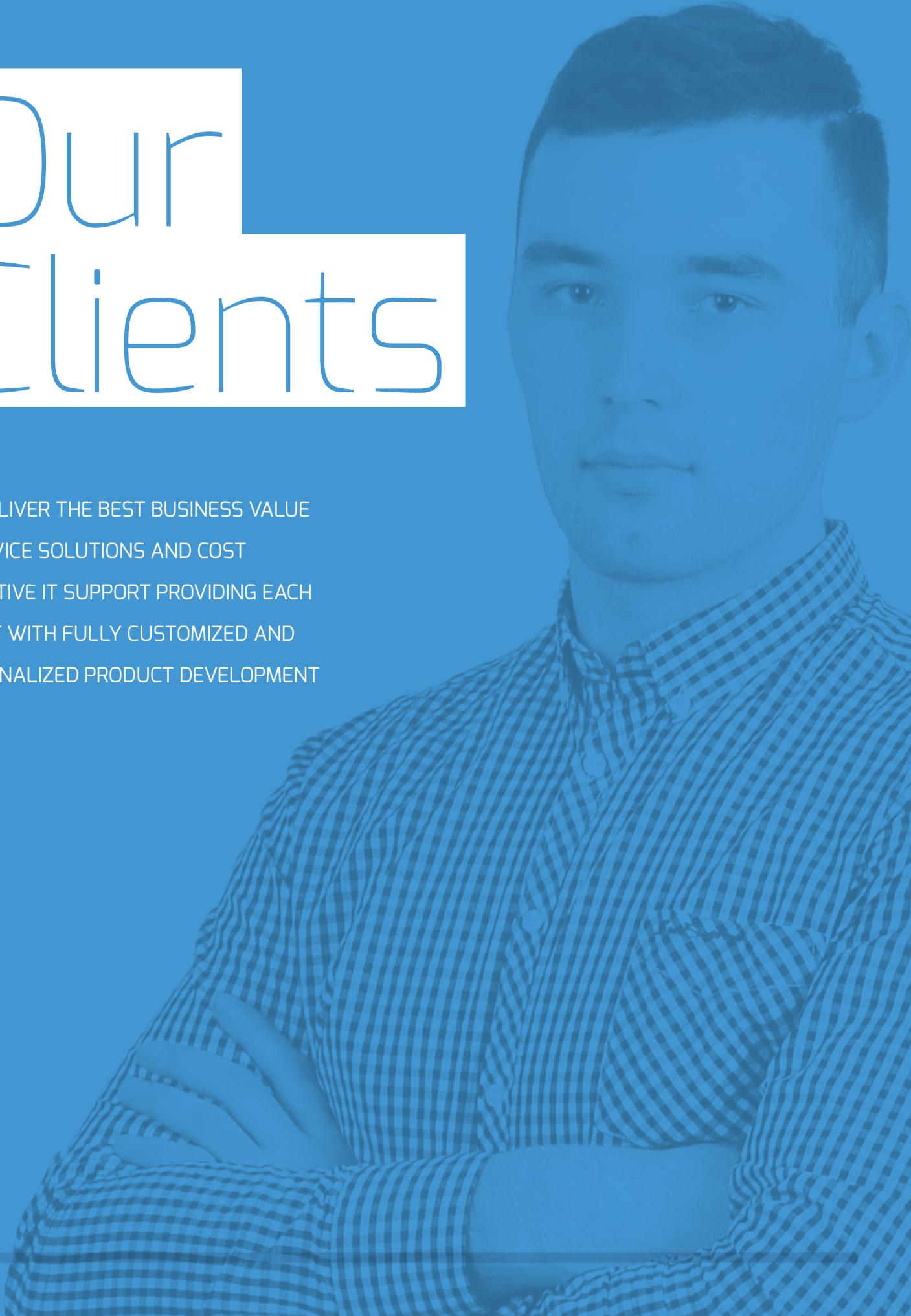
Cooperation between MS-IDI and Exigen Services began in late 2012, when our company started actively seeking partners, and after brief negotiations, signed a contract for participation in the first project. The project associated with design and prototyping, was launched in October 2012, and was successfully submitted after 2.5 months of development, then immediately was signed a contract for mobile solution developing for the iOS platform. Then followed other projects, mainly for large customers from the USA. The spectrum of technologies used in the projects: .NET programming, mobile development for iOS platform, prototyping and design.

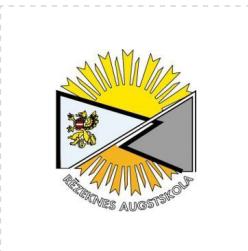
All projects development has been implemented remotely, our developers either join to the main team, located in Riga and St. Petersburg, or create a local team working on the larger parts of the project. As practice shows a considerable distance from each other is not an obstacle for the successful implementation of projects. Currently all projects or its parts, provided for the development, were completed on time, and from the Exigen Services side received only positive feedback.



# Our Clients

WE DELIVER THE BEST BUSINESS VALUE  
E-SERVICE SOLUTIONS AND COST  
EFFECTIVE IT SUPPORT PROVIDING EACH  
CLIENT WITH FULLY CUSTOMIZED AND  
PERSONALIZED PRODUCT DEVELOPMENT







Surpass clients expectations

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