**Website**

1. Intelligent Resolutions: „Finding a solution to a problem is helped enormously by the certain knowledge that a solution exists.” Carl Sagan

The easiest solution to a problem is the intelligent solution.

1. P92 RDI is a software development company: Our primary aim is intelligent problem solving and the development of novel applications to help our partners be one step ahead of the market.
2. R=Research – D=Development – I=Innovation: Research results are integrated into development processes. The primary aim of our development is to support our partners’ business and IT pursuits.

**(R)Research**

**“It is a mistake to think you can solve any major problems just with potatoes.” Douglas Adams**

The development itself is not always enough, sometimes it is necessary to break out of the given frames. Our research projects make ways to finding new solutions. All parties involved can benefit from the experience gained and from the fresh approach applied in our product development of software solutions. Our research projects cover the following areas:

* application and installation of the newest technologies into everyday processes
* effective IT-tool based communication
* precise information targeting
* improved software and code quality

Since 2002, our colleagues have completed/started several R&D projects successfully.

Selected works:

LeOnEditor: Development of an intelligent learning-habit based learning environment

Promocio: Research and formation of intelligent project management tools

Visitor: Research and development of an intelligent visitor management system

NAP: Research and development of a powerful application platform

Code Refactoring: A code-analysis based tool for code ranking and refactoring. It was developed with the co-operation of the University of Szeged. The aim of the research was to identify the quality of a complete software code. It is executed with an automatic rating system and the code quality is then displayed on a decimal scale. The analysis tool which, by the specified criteria and their locations, can identify the problem and find the solution looks like a sorting table.

Consol development: The goal of the complex system (virtual marketplace and related services) is the development of a) trading system of services; b) secure and alternative payments; c) balance charging. The system will be ready for trading electronic content via an innovative-approach in a multi-platform environment employing a unique IT process-managed methodology.

Research partners:

* University of Szeged, Faculty of Science and IT – <http://www.u-szeged.hu/>
* Budapest University of Technology and Economics – [www.bme.hu](http://www.bme.hu)
* Software Innovation Pole Cluster – [www.infopolus.hu](http://www.infopolus.hu)

**(D)Development**

[**There are no problems we cannot solve together, and very few that we can solve by ourselves.**](http://www.brainyquote.com/quotes/quotes/l/lyndonbjo386094.html)[**Lyndon B. Johnson**](http://www.brainyquote.com/quotes/authors/l/lyndon_b_johnson.html)

Our colleagues have been in the cutting edge of development since 2000. We were among the first few developers who became professionals in many uniquely innovative technologies.

Our clients include:

CMS/Vignette: we were the only Eastern European company who researched and developed the basics of content management as partners of Vignette.

Frameworks: before Vignette appeared on the market we had already developed our own framework for different technological platforms.

Code refactoring: in the field of code-quality improvements, we pioneered new approaches and developed trend-setting qualitative applications.

Platforms, methods, tools, languages employed:

JAVA, SCRUM, NET, C#, J2EE, Mobil technologies, iOS, Android, Linux, Windows, VmWare

Full project management:

Exploration, localization and segmentation of problems: Demand analysis, Requirement identification, Planning, Developing/Coding, Quality Assurance, Test development, Testing, Documentation, Education/Training, Support, Aftercare

Typical solutions:

Mobile web-shop, Data pumps, Safety Bank Solutions, System dividing, Intranet and Internet portals, Web applications, ERP, Document handling, Workflow automation

Partners:

Mondia Media Group, Magyar Nemzeti Bank, Közbeszerzési Hatóság, Magyar Lapterjesztő Zrt., GYEMSZI, Sony Music, Drescher, O2, Vodafone, …

**(I)Innovation**

Results from our research are integrated into the development processes to help create new innovations. Our primary aim is to support our business partners and their IT related pursuits.

Our real strength -apart from innovation- is our constant drive to employ specialists in the planning, development and delivery of our solutions. This is how FoundryBox Live was developed as the perfect solution for party organizers; the DOX for communication service companies fighting with large mountains of documents; FieldBack, the operating agent network of large companies, and; the patrol of software developers: GraFight.

**The DOX – No more paper mountains to climb!**

*“No task could be given that would occupy even the tiniest fraction of its vast intellect”* Marvin from Hitchhiker’s Guide to the Galaxy

As companies diversify, large amounts of electronic and paper content accumulate. Memorandums, financial reports, official documents, recordings, calendar items, task lists, etc. These documents need to be captured to preserve the most important information which can be a great challenge for any company. The DOX is not only a simple document managing system, but the INTELLIGENT GUIDE to the galaxy for every company.

The DOX is a really powerful tool for data-warriors.

Why DOX:

* The implementation cost compared to international competitors is lower, because we built it using the latest in open source solutions
* Offers completely customisable solutions since we don’t want to radically change the processes of a company
* Provides extensive information storage, indexing and searching options
* Creates community information networks which standardises while corporate communications change
* Provides Cloud-based technology with its own infrastructure
* Includes teamwork support and version management to ensure a high level of corporate document culture

„Here I am, brain the size of a planet, and they ask me to take you to the bridge. Call that job satisfaction, 'cause I don't.”

The Hitchhiker's Guide to the Galaxy

**Fieldback: Be up to date with data collection**

*“Nothing travels faster than the speed of light, with the possible exception of bad news, which obeys its own special laws.”*

The Hitchhiker's Guide to the Galaxy

FielDBack is a complex mobile solution for companies that employ field workers, sales representatives or agents. The workers can collect, manage and update data from the customers while on the field. This way, managers have up-to-the-minute access to information about the business.

FielDBack is an essential supporting tool for representatives, store networks and enterprises.

The modular structure provides solutions for every subtask of field data collection: questionnaire based collection (promotion, marketing questionnaires), handling contracts and orders, fleet tracking (agent network tracing and route planning), web-based administrative surface, and/or mobile applications (for any platform: iOS, Android, Win 8)

Why FielDBack:

* It significantly increases customer exposure with immediate online contracting, thus providing more precise and rapid information flow
* It guarantees increased income by reducing delay with the enablement of the agent to pick up the client’s orders immediately after contracting
* Increases logistic flow with a reduction of delivery deadlines
* Significant growth of marketing actions with the efficient use of online questionnaire based collections
* Enables agent tracking without excessive employer control
* Flexible modular structure providing a customized solution for each subtask.

Information flow -not just bad news- is almost faster with FielDBack than the speed of light.

**FoundryBoxLive : Colour up your event!**

*This planet has — or rather had — a problem, which was this: most of the people living on it were unhappy for pretty much all of the time. Many solutions were suggested for this problem, but most of these were largely concerned with the movement of small green pieces of paper, which was odd because on the whole it wasn't the small green pieces of paper that were unhappy.*

The Hitchhiker's Guide to the Galaxy

**RÖVID VÁLTOZAT** (A unique, and portable, real-time visual data collection, distribution and personalisation service in your hands. It provides a ‘live’ entertainment cluster which can guarantee successful live and post event communication. It can be a festival, a business party, conference, etc. Benefits of FoundryBoxTMLIVE are the real-time power of Creativity, Distribution and Personalisation. The service is based on a portable, compact data-centre, which fits in a suitcase, and can be setup in just a few minutes. We provide professional photographers and hostesses to accompany FoundryBoxTMLIVE.

While the photographer takes high quality photographs, the hostesses can view the images in real-time on their tablets and ensure 100% data capture for immediate distribution and personalisation.)

A unique, and high quality visual data collection and entertaining service with a guarantee of highly successful events. It can be a festival, a business party, professional exhibition, football match or a rock concert. Benefits of FoundryBoxLive are its Immediacy, Novelty and Personality, transforming the event into an unforgettable experience for your guests!

The service is based on a portable, compact data-centre, which fits in a suitcase, and it can become operational in just a few minutes. It is able to cover a football field with its internet access. We provide a professional photographer and hostess with FoundryBoxLive. While the photographer takes superb quality pictures of the event, the hostess can show them immediately on her tablet, and send them to the guests. The name (logo, frame, etc.) of the event sponsor will automatically appear on all the photos, and the guests can buy the original, high quality pictures with a credit card. They can also order from the hostess or later from the website, mugs, t-shirts and/or framed photographs. FoundryBoxLive makes it possible for the guests to share their own pictures with only a few-minute delay, using projectors; they only have to send their pictures to a specified e-mail address. It is a highly efficient advertisement venue for the sponsor of the event because of the immediate results. Moreover, it creates a very personal touch to any event, since the brand-named photos will most likely be shared on Facebook just a click away.

FoundryBoxLive simply makes us connected.

Why FoundryBoxLive:

* Enhances the live event and shares a unique personalised experience with guests
* Ensures efficient branding that reaches far beyond the standards
* Unique real-time database capture of images and videos, enhancing post event communication
* Professional image capture eliminates the need for post processing
* Instant branded image sharing for social network distribution
* After event sales with personalised and branded products
* Lack of post-event processing significantly decreases communication delay from days to seconds
* Real-time image processing, branding, personalisation and distribution

**GRAfight – No more maintenance fright!**

*„Looking up into the night sky is looking into infinity — distance is incomprehensible and therefore meaningless”*

The Hitchhiker's Guide to the Galaxy

For corporations that are users of unique, custom-made software solutions, the phenomenon of software-erosion causes a significant problem. This process starts during software development and deepens with the addition of new logic and increased business processes. Companies with large teams of developers are also struggling with this problem that can be magnified ten-fold in companies without a private IT sector. Software erosion means that the quality of a software deteriorates continuously during its life cycle. Typical projects use narrow time frames, and under the pressure of deadlines, developers have to make compromises.

Later on, the client may expand the software with new functions or try to correct the errors, but most likely confronted by the problem that the code is hardly readable, and the need may arise to translate the code again. Moreover, dimensions of a software-code are typically huge, and for a third party almost impossible to understand. It may also happen that the original company developing the code has since gone out of business (or ceased relationship with the partners), then the product must be given to another IT company for the time-consuming process of having to recognise and understand the third-party software-code which then results in enhanced costs of development growth. Our service can help avoid these problems. After checking the code, we make recommendations about the choices of code-fixing with a keen eye on keeping costs low. The Code-Refactoring is part of our Research and Development project with Szeged University. Our product is based on the latest results in software-erosion research. This tool dramatically enhances code reliability for the long haul.

Companies running custom-made computer programs cannot afford to overlook our code-refactoring software.

Steps typically include:

We sign an agreement and an NDA. Since this is a sensitive field, we must clarify all the legal issues. We handle all information carefully and discretely.

* Our partner gives us access to the code base and we send it through our system. After code evaluation we produce a ranking table. This takes 2-4 days.
* Guided by the ranking table we evaluate all aspects of code improvements and write a document with our recommendations on what, where and how should be changed. The changes can be done either by the original developer company or another one. This step typically takes 1-2 months depending on the size of code and the depth of the recommended changes.
* If desired, we can re-develop the system based on our own recommendations

Why GRAfight:

* Improved code base readability for companies
* Faster and safer software availability and releases
* Reduction in problem management and hotfix turn-around times
* Hidden issues and bugs are found during the coding phase and not post release
* Faster but less frequent release schedules as the software is proven fully operational, not just released
* Target group: large companies that develop their own complex systems

**Weboldal rövid szövegek**

FielDBack is a complex mobile solution for companies that employ field workers. The workers can collect, manage and update data from the customers on the field. The managers can have up-to-the-minute information about the business.

THE DOX is a document archive and management information system. The system helps collect data from widely different sources into a well organized structure. Companies that handle huge amounts of data can customize the code for their maximum benefit. It is ideal for handling extremely large data sets.

FoundryBox Live with its professional personnel offers a complex solution for professional picture creation, onsite data gathering and up-to-the-minute online sharing for the participants. The system provides instant brand recognition and promotion opportunities for sponsors as well as elevates the party experience simultaneously.

GraFight is a code-analysis based software evaluation tool and methodology. The tool boosts source code quality dramatically, thus reducing maintenance costs and shortening additional development time. Software erosion can be prevented using this service.

**WEBOLDAL GRAFIKA szövegei ANGOLUL**

The Dox:

1. LARGE DATA 2. vast database of 50 million pictures, 300 million invoices, 30 million multimedia files 3. business documents (contracts, invoices), multimedia files, asset management, wide variety of reporting functions

FieldBack:

1. COLLECTING DATA 2. online: orders, contracts, data collection forms, fleet tracking, asset-management 3. supporting on-site activity, marketing on-the-spot, shorter deadlines, efficient time tracking

Grafight:

1. QUALITY ASSURANCE 2. code quality, code analysis, code security, maintainability 3. automated analysis, easier bug management, better changeability, easier further development, reduced development and maintenance costs

Foundry Box:

1.Entertainment 2. professional datacenter, branded photos, easy data gathering 3. merchandising, prompt, personalized marketing activity, power of novelty, corporate events, realtime sharing, professional photos and branded e-cards