ARTofINFO

Project portfolio & overview of services

The Art of Information Technology

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ArtOfInfo is a nearshore, cost efficient OUTSOURCING partner and SOFTWARE SOLUTION provider with development centers in Budapest and Szeged

✓ **IT outsourcing, staffing**

✓ **Custom software development**

✓ **Own product development**

✓ **IT consultancy**

Stable STAFF
Our employees' know-how is our greatest asset

Technology **PROFICIENCY**
Keeping up with latest technology trends

Focus on QUALITY
Quality is a basis for long-term partnership

FLEXIBLE approach
Flexibility towards employees and customers

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Our clients

affidea LEGALLIGENCE AG KDB Bank Europe Ltd.

WAYPOINT ADACTA FINTECH Getronics UWS BUSINESS SOLUTIONS OXYGY

GENERALI CHRONOS systems DMG MORI DIGITAL HEITEC humanAIzed Gtel genertel.sk online poistenie jednoducho a dostupne

eXpando BITWORKS IT for people. MegaGlobal Kereskedelmi és Szolgáltató Kft. PIP NONPROFIT KFT Scolvo WORK.REGARDLESS

Union Rozumieme si LEAR CORPORATION KNORR-BREMSE MAGYARORSZÁG

GRAVITY Research & Development SWISS CLINIC MEDICAL SERVICES COMPANY Qualysoft SIGNAL IDUNA

genertel Capgemini affidea Ελλάδος HEITEC engineering solutions C·THENTIC

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Why choose ArtOfInfo?

What are the advantages of our outsourcing model?

❖ **Cost saving** compared to local employees or freelancers (no HR, management, office, HW/SW, administration cost)

❖ **Managed team** with excellent team spirit, **low fluctuation rate**

❖ **Transparent operation**: daily status meetings, working into common repository, easy to check daily progress

❖ **Training cost of a replacement is not charged** if resource leaves within 1 years

❖ ArtOfInfo provides not only resource but **technical background and support**. All our developers can rely and utilize the 20 years of experience.

❖ **Low risk to test the model**, we can start even with 1 outsourced resource

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How does outsourcing work?

❖ **Close cooperation** with our clients, preferably using agile methodology (daily standup, weekly status, etc.), communication via Slack, Teams, Hangouts, etc.

❖ **Dedicated team** with different roles, PM, Architect, Developer, Tester, Business Analyst

❖ **Part time of full-time** allocation according to our client's preference

❖ Working into a **common source code repository** (gitlab, github, …)

❖ Monthly **fix price or T/M** basis

❖ **Personal visits**, **travels** to our clients upon requests or clients visit us

❖ Team is working in a **modern, motivating office** environment

❖ **Performance review** of the team members on a regular basis

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Key focus

1. System integration
2. Business Process Automation
3. EFT/POS systems
4. Web Application development
5. Portal solutions
6. Mobile App development

Strengths

1. Focus on quality
2. Stable staff
3. Technology proficiency
4. Understand business processes
5. Flexible approach
6. High customer satisfaction

Technologies

Microsoft .NET, C#, MVC, WCF, Entity Framework, HTML5, TypeScript, Javascript, Python, Java, Spring Framework, Angular, React, Vue, node.js, Ionic 2.0, Xamarin, MS-SQL-Server, Oracle, DB2, Mongo, PowerBI PAX, Verifone, Ingenico

Sectors

1. Insurance
2. Healthcare, Pharma
3. Manufacturing
4. Banking
5. FMCG

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Skills matrix - Proficiency on latest technologies

Affidea Group – Business Intelligence / Datawarehouse Development

- ❖ **Global reporting** solution for Affidea Group
- ❖ **Cloud based** solution using **Power BI Services in Azure**
- ❖ Integration with country level data sources using **Microsoft Integration Services** (SSIS) and **On-premise Data Gateway**
- ❖ Initial pilot rolled out to **Ireland, Poland and Hungary,** rollout to further countries in progress
- ❖ Implementation of different reports: **Global KPI, Operation reports, MIS Reports, Corporate AI Dashboard, Outpatinet KPI, Zabbix Dashboard, etc.– in total 15 dashboards**
- ❖ Reporting front-end: **Dashboard** or **automated reports** for subscribers

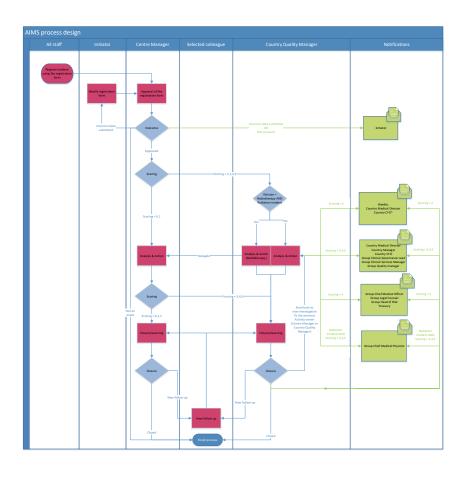# Open Banking implementation for an Account Information Service Provider

Mastercard

OPEN BANKING PARTNER

- ❖ Implementation based on **MasterCard open banking platform**
- ❖ **Cloud based** solution using **Amazon Webservices**
- ❖ **Technical implementation: GO back-end / Angular front-end**
- ❖ Built-in **Carbon calculator** and **ESG** support

Affidea Group – Clinical Incident Management Workflow development

❖ **Global incident management** solution for Affidea Group rolled out to 15 countries, 14 languages

❖ **Cloud based** solution using MS Flow and PowerApps in Azure

❖ **Optimized for mobile** devices

❖Human **workflow** solution

❖ Enhanced **escalation** and **notification** system in the background

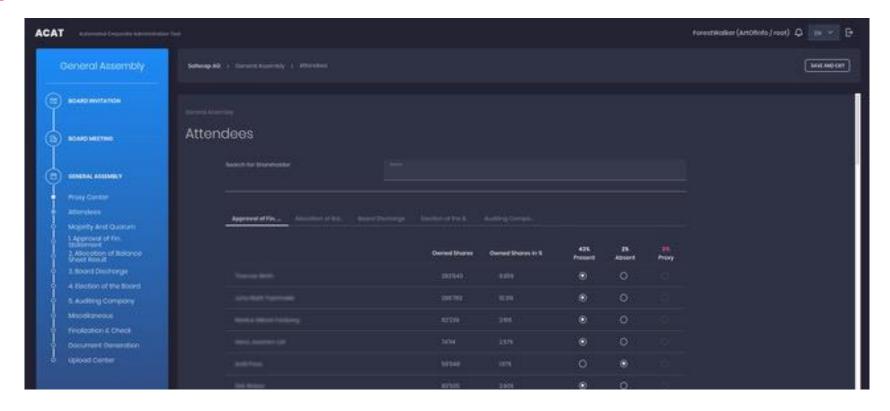# EFT / POS terminal software development

❖ **Supported Platforms:**

  ❖ **Verifone**
  ❖ **PAX**
  ❖ **Ingenico**

❖ **On-going projects:**

  ❖ **K&H Bank**: terminal platform upgrade, Ingenico T+ migration

  ❖ **MOL:** enhancements and support of the terminal's software

  ❖ **NHB**: PAX and Verifone POS software development and maintenance

  ❖ **Hungarian Post:** Pack station's unattended POS terminal software development
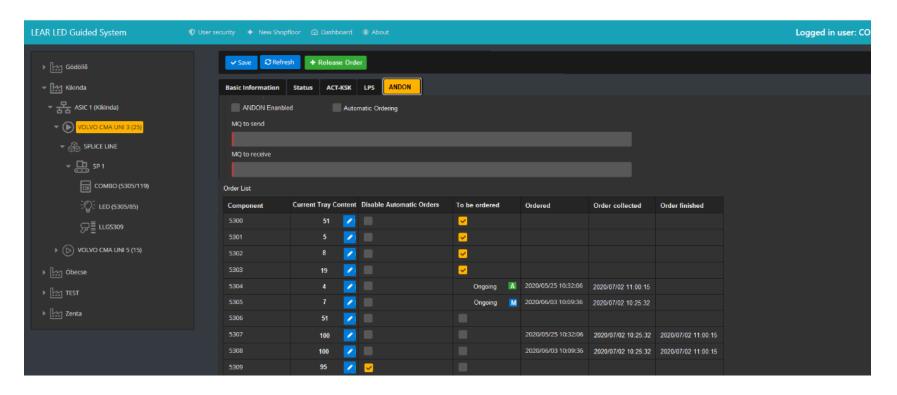
Legalligence AG – Lawyer Office automation suite

❖ **Automatic, smart processing** of company registers to avoid manual data entry

❖ **Supported workflows**: Company creation, company onboarding, general assembly, capital increase, share register change, liquidation and many more

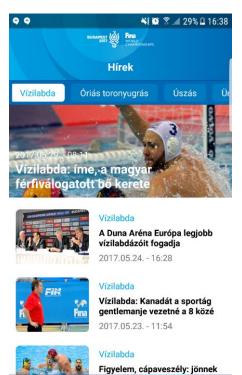❖ **Cloud based** solution in **OpenShift, AWS, Python, TypeScript, Vue.JS, C#**

MegaGlobal – Lear Corporation: Manufacturing Execution System (MES)

❖ **MES system supporting the assembly of wire harnesses**

❖ **Industrial environment, system integration** with Production System, ERP system

❖ **Technology: Angular 2+; .NET Core, C#, Python**
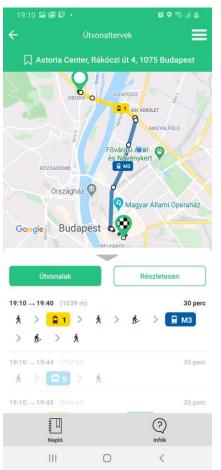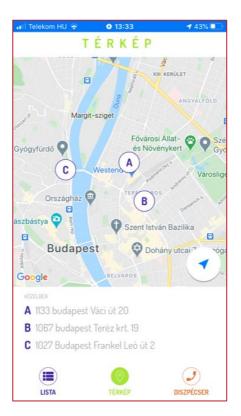
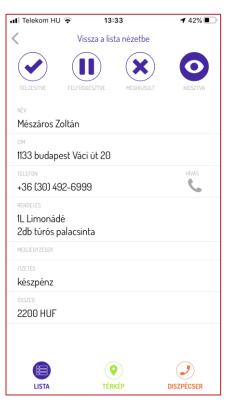# Mobile front-end developments – Examples

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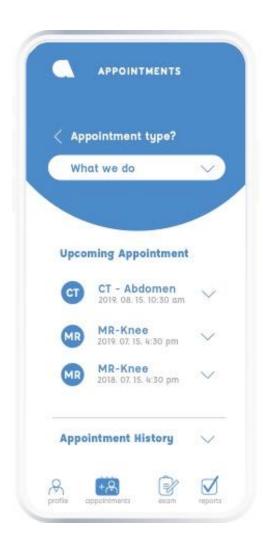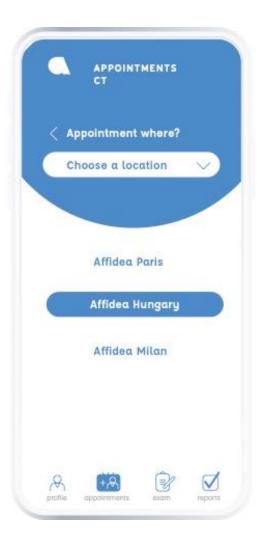
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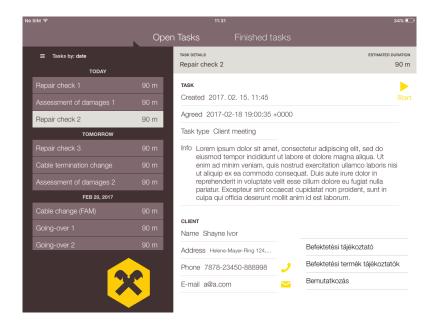## Mobile front-end developments – Examples

scolvo.com – Raiffeisen sales platform on iOS

- ❖ Participation in sales Front-end implementation on **iOS devices** for sales representatives

- ❖ Business Analysis

- ❖ Development

- ❖ Project Management & Test management

- ❖ Back-end and service layer implemented in **Java Spring**

- ❖ Integration with LDAP, **Liferay document** / **content management** systems

- ❖ Implementation is considered as a success story and best practice of the regional bank
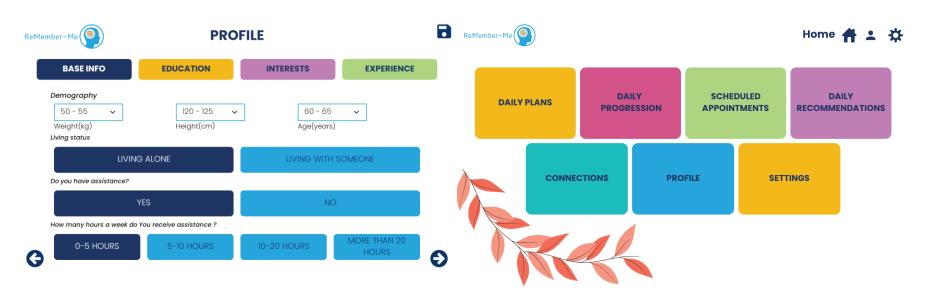
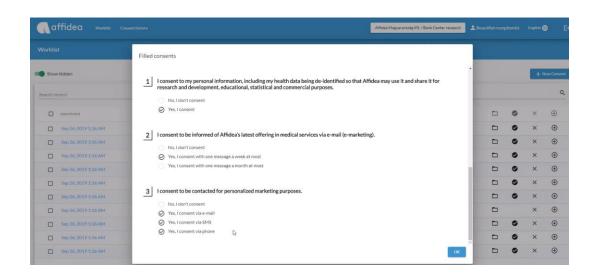# ART OF INFO

AAL – Remember me

❖ **ReMember-Me** project targets the early prevention and detection of dementia using cutting-edge technologies such as smart devices and social robots.

https://www.linkedin.com/in/rememberme-aal-project-6950471aa/detail/recent-activity/

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Affidea Group – Patient Consent Management System

❖ **Global consent management** solution for Affidea Group

❖ **Global MPI (Master Patient Index)**

❖ Integration with country level data sources using **Using Global API connectors**

❖ Data collection via **Tablets** or **paper** based-forms

❖ Paper-based forms are scanned and the answers are detected using **Machine Learning** algorithm

❖ Consents are used for different activities: e.g. **marketing, AI research and clinical studies**

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DICOM Gateway

❖ **Central management** of radiological image distribution, traceability of the entire network

❖ **Sharing images with 3rd parties** (e.g. for radiation dose assessment, image scanning with Artificial Intelligence algorithms)

❖ Reduces network bandwidth

❖ Legal / GDPR compliance by supporting e.g. **anonymisation** of studies, checking patient consents

❖ **High Availability** of image distribution (e.g. failure tolerance in case destination PACS outage)

❖ Seamless Integration the elements of Health Systems (e.g. **Teleradiology Platform, Patient Portal, Hospital Information System, Radiological Information System**)

❖ Secure transfer of images through public network

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DICOM Gateway

Common functions

❖ Multiple configurable modality sources, destinations

❖ Flexible configurable and scriptable Routing Rules

❖ Tag morphing, filtering, validation

❖ Decomposition options

❖ Failover handling

❖ Several anonymization, pseudo-anonymization options

❖ Role-base access control

Advanced functions

❖ Message priority handling

❖ Archiving options

❖ Routing rule validation

❖ Secure transport using TLS

❖ Dashboard for system monitoring

❖ Dynamic compression

❖ Configurable email notifications

❖ Audit trail of changes in the configuration

❖ Central backup of node configurations

BITworks.net – BITqms product development

- ❖ .NET / ASP.NET / MVC

- ❖ Entity Framework

- ❖ Xamarin, WCF, WPF

- ❖ SQL-Server, Oracle

- ❖ .3rd party components: Telerik, Aspose

- ❖ Product development outsourced partially to ArtOfInfo

- ❖ Managed team of developers, testers and business analyst

- ❖ Long-term contract and cooperation

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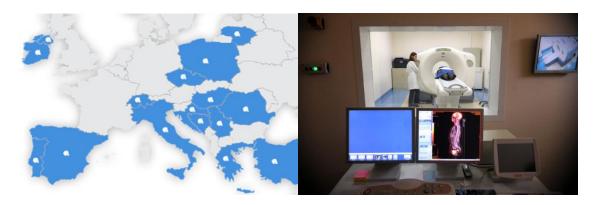## Affidea – Integration with EESZT (National eHealth Infrastructure)

❖ **RIS (Radiological Information System) integration** with National Healthcare Services Center (EESZT):

  ❖ First version implemented in very short time (within 6 weeks) due to legal compliance
  ❖ Successful accreditation of the connector module
  ❖ Scope of the project includes Event Catalog (**online patient pathway tracking**), **EHR**, Patient **eProfile, eReferrals, ePrescriptions**, among others
  ❖ Hi reliability, failure tolerant system implementation with continues monitoring and alerting functionalities

Affidea Group, Further projects

❖ **Teleradiology**

❖ **Document Management**

❖ **Patient Referral System**

❖ **Patient Portal, Appointment Booking System:** front-end and global API for RIS systems

❖ **Migration project** for data migration from GE/Medavis environment to APT RIS

❖ **Data validation and data cleaning** relating to previous migrations projects

❖ **Automated front-end testing /CI** using Selenium and Java based framework

❖ Develop **visualization tool** for medical reports

❖ Document scanning and image recognition using **Deep Learning with TensorFlow**

❖ **Occupation Health System**

genertel.sk - Portal development and maintenance

- ❖ Front-end, back-end development, UX design

- ❖ Migration to new backend system

- ❖ Optimized for public web and partner channels

- ❖ Based on .NET, Entity Framework, Code First, MVC technologies

- ❖ DWH & Reporting
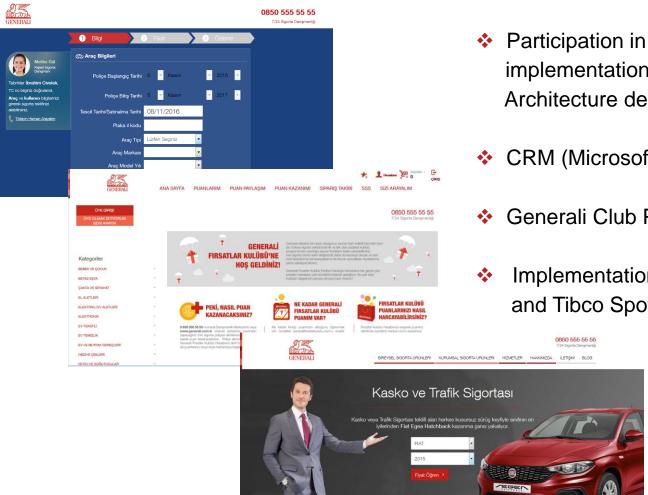
genertel.sk - Portal development and maintenance

❖ MTPL, Casco, Household, travel products

❖ Product upsell, x-sell

❖ Responsive design (tablet, mobile devices)

❖ SEO optimized

❖ Client Zone, Questionnaires, Online chat

❖ Content Management: SiteCore

❖ Web, CC, broker portals

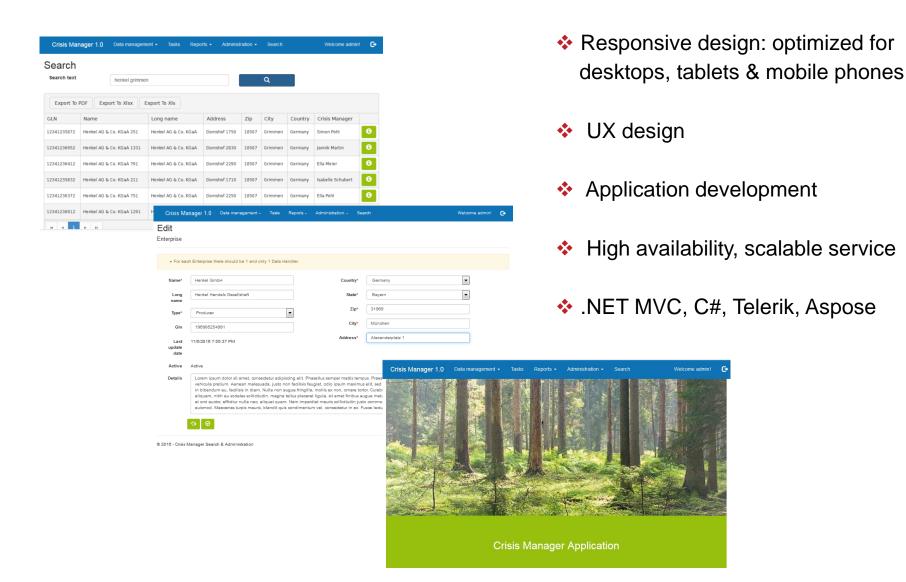❖ Web applications development (cancellation form, change to e-comm.)

Generali.com.tr – Various projects

- ❖ Participation in sales Front-end implementation: Requirement analysis, Architecture design, PM

- ❖ CRM (Microsoft Dynamics) introduction

- ❖ Generali Club Portal

- ❖ Implementation of the Data Warehouse and Tibco Spotfire reporting system

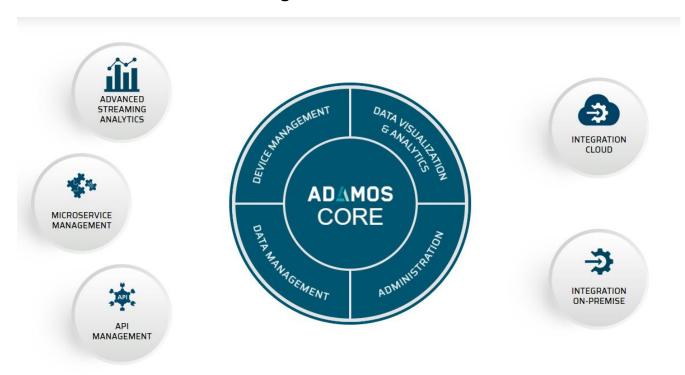# BITworks.net – Crisis Manager Application development

- ❖ Responsive design: optimized for desktops, tablets & mobile phones

- ❖ UX design

- ❖ Application development

- ❖ High availability, scalable service

- ❖ .NET MVC, C#, Telerik, Aspose

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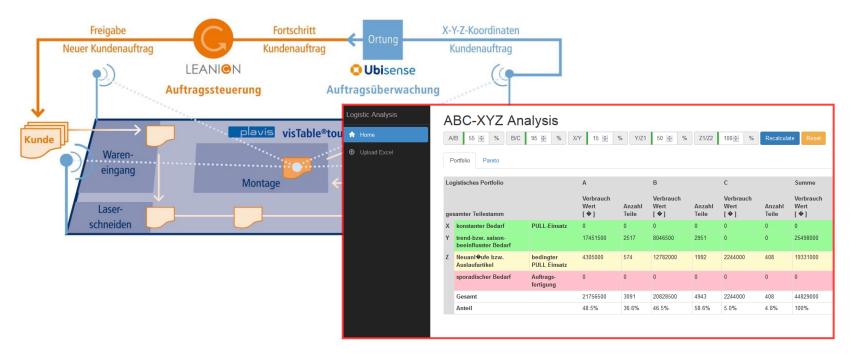## ADAMOS. IIoT Platform for mechanical engineering

Industrial Internet of Things

❖ Participation in Adamos platform development:

  ❖ Development of the **Master Data Management** module
  ❖ Development of **Microservices** in .NET Core
  ❖ **System Integration related developments with MQTT**

UWS Business Solutions Germany – Industry 4.0

❖ UWS is a consortium member of Industry 4.0 IoT platform with the following topics:

- ❖ **Lean Manufacturing**
- ❖ **ABC/XYZ** Analysis
- ❖ Front-end: **Angular 4.0**
- ❖ Back-end: **.NET Core / REST API**
- ❖ Implemented on cloud platform (Adamos)

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expando.cz – Language Translation Tool development

❖ Participation in Bing based translation tool development

❖ .NET backend and REST API

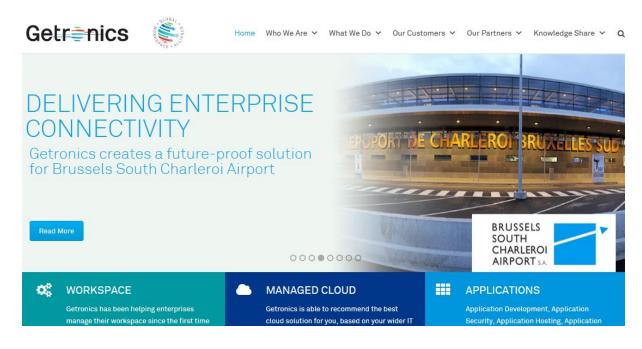❖ Angular 2 based front-end

❖ Human workflow implementation

Union SK – Tarification engine

❖ Price calculation engine for motor products

❖ Simple to use, configuration by the Client

❖ .NET/C# technology

❖ Development for further products in progress

Getronics Magyarország Kft. - Consultancy

❖ Participation in several project providing consultancy in the following areas:

❖ Designing physical and logical **System Architecture**
❖ **Project Management**
❖ **Quality Assurance**
❖ **IT Security**
❖ **Business Analysis**

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Further references

❖ **TÁMASZ-2005 Alapítvány** – Mobil application development(Android + iOS)

❖ **ArtOfPerformance** – HRV (Heart Rate Variability) performance monitoring

❖ **Generali Biztosító Zrt.** – Providing consultancy for AdInsure implementation

❖ **SIGNAL IDUNA Biztosító Zrt.** – Providing consultancy for AdInsure implementation

❖ **futargo.com** – Curier tracking mobile Application development (Android + iOS + portal)

❖ **Bemido SA (Waypoint Capital)** – Timesheet tracking application development

❖ **DMG MORI HEITEC Digital Kft.** – Participation in adamos.com in various projects

❖ **Bene Studio Kft.** – Providing DevOps CI/CD services

❖ **ADACTA FINTECH D.O.O.** - Providing consultancy for AdInsure implementation

Mission & Vision

"Our existence is **constant development**. With **innovative** technologies and tools, we use the knowledge and experience of our employees to add **real value** to our partners and our environment. In the meantime, as a **cohesive team**, we also ensure the personal development of our colleagues in a **good mood**."

"Everyone wants to live in a healthy, safe environment. As an IT solution provider, we support our partners in this initiative."

Company Values

RESPONSIBILITY

Everyone makes mistakes. If I make a mistake, I take responsibility. If someone makes a mistake, I am understanding and accepting. I have been empowered to make decisions within the limits of my competence.

INTEGRITY

We value each other and recognize the performance of our colleagues. Our communication is based on mutual respect.

CUSTOMER FOCUS

I understand the needs of my clients, I make them happy with my attitude and work.

WELL-BEING

My goal is to ensure a work-life balance that the company supports. "I feel good in my skin."

EXCELLENCE

I perform the tasks entrusted to me to a high standard. I am demanding of my work.

TRUST

I give and ask for feedback, and I give this to those who are directly affected. I can say my opinion without consequences.

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Testimonials

Petar Dobric,

Country Chief Marketing and Customer Officer, Generali Deutschland Holding AG

„I have been working with ArtOfInfo already on 2 Insurance market where in Both occasions we were launching a New Direct Insurance Operation from the scratch. Even though the market didn't have any experience about the business model ArtOfInfo gave its great contribution in the setup of the IT hardware and software infrastructure of a newly established business model. From the day one they fully managed with confidence and experience the IT side, starting from creating IT strategy, system architecture or vendor selection to setup specific workflow process ArtOfInfo always delivered the best possible solutions. I could 100% rely on them as they had a very robust control of Vendors and control on the project management, so no surprises and no errors! I consider them relevant for the success of our Slovakian and Turkish operations."

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Testimonials

Rastislav Galek

IT Operations Director at Generali Poisťovňa, a. s. (Slovakia)

„Zoltan and his team supported us from Budapest for 2 years in genertel.sk portal development and maintenance. Helped us in successful migration of the back-end insurance system behind the portal and their flexible approach and high-level competence contributed to our seamless cooperation."

Thank you!

Zoltán Bács

Managing Director

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