



software for a mobile future

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## COMPANY DETAILS

ZESIUM mobile Ltd, Novi Sad is an **ambitious dynamic company** with clear strategy and mission to utilize latest and emerging communication and information technologies in order to improve business and satisfaction of our customers. ZESIUM employs highly educated engineers with **valuable experience** and **strong professional background** in the IT domain, ranging from software design and development, product validation, testing and test management, to a variety of consultancy services.

Our strong ability and confidence to **match customer expectations** stems from heritable experience initially gained by our parent companies, ZESIUM mobile GmbH, Munich, and NSCom doo, Novi Sad, through their 8 years of successful business in mobile & wireless communications. Having firm **determination to succeed** in making our visions alive, ZESIUM team has just continued to enhance this experience by itself. Our secret is in careful **listening to the particular needs** of our customers, promoting **free idea and information sharing within company** necessary for spotting and resolving technical and business issues and using our **passion, innovation and creativity** to provide our customers with **state-of-the-art top quality solutions and products**. This is proven by a number of R&D and outsourcing projects that have been successfully completed on-time, as well as with our customer list that includes strong, worldwide operating players in mobile telecommunication and chip manufacturing industry.

**Owners:** NSCom doo, (95%) • Other (5%)  
**Engineers:** 14 (all University graduates)  
**Certification:** ITMark (2009), Zesium does conform to further formalized processes and adheres to CMMI standards. ISO/CMM rating planned.  
**Markets:** EU • Serbia • USA • Eastern Europe  
**Languages used:** English • Serbian  
**Reference Customers:** Siemens Mobile Devices, Germany • FreeScale, France • Texas Instruments, Germany and USA • STROM Telecom, Czech Republic • MicronasNIIT, Serbia • Teleconnect, Germany • BenQ-Siemens Mobile, Germany • Aplix Corporation, Japan • Icera, UK • Philips, France • Comneon, Germany • WirTek, Denmark • Swisscom Innovations, Switzerland • KWON, Germany • Paragraf Lex, Serbia • Constant Dialog, Switzerland • Telvnet DMS, Serbia • RT-RK Computer Based System, Serbia

## STRATEGY MISSION

ZESIUM mobile Ltd. utilizes emerging communication and information technologies to create original hardware/software solutions and fulfil clients' requirements and expectations in areas of usage of the mobile telecommunication. We do that all on efficient and reliable manner adding new quality in our products and solutions with optimal engagement of resources, costs and time. Our clients are each segments of industry that recognize importance and influence of mobile technology on their business and profit enhancement.

### Our vision:

- To be **recognizable company within the international market** of mobile telecommunication by offering state-of-the-art top quality solutions and services that guarantee satisfaction of our customers.
- To be **well considered partner** to strong and proven companies in mobile industry like mobile operators, terminal manufacturers and integrators, reference design houses and semiconductor vendors.
- To be **socially responsible company** with active participation in community life and promoting of green environment.
- To be company marked as "**The Best Place to Work**"

## PROFESSIONAL KNOWLEDGE AND SPECIAL EXPERTISE

### Industries:

- Automation
- Automotive
- Banking & Finance
- Business Services
- Entertainment & Broadcasting Multi Media
- Telecommunications

### Areas of Expertise:

- Mobile network technologies (GSM, GPRS, UMTS)
- VoIP (NGN) technology
- Embedded systems
- Communications algorithms and principles, network protocols
- Software development and integration
- Information security
- ECommerce - Internet and mobile solutions
- Signal processing

### System/Software Development and Consultancy Services:

- Support for complete and staged Software Development Process (waterfall and iterative)
- System integration
- Research & Development
- Product validation and testing (field, customization, on-site testing)
- Software outsourcing
- Customized software development

## MAIN PRODUCTS AND SERVICES

### Embedded projects:

- LCD panel testing – R&D of automated line for industrial testing of LCD panels
- Protocol Framework – supporting layer above different platforms offering core protocol behaviour
- IMS/PoC handset protocol stack along with upgraded Session Initiation Protocol (SIP)
- Signalling Compression (SigComp)
- Communication SW – OSI Gateway, E.115 Server, V5.2 LE, AXE remote management, V series & wireless modems, L1 implementation of Motorola UMTS components

### Projects for mobile devices:

- WAP Push Server - supporting complete selling cycle for a mobile phone/PDA applications
- mBid24 – eBay certified client application, server based solution
- J2ME applications – mobilePdf/Doc Viewer, Blog2Go, News2Mobile, Podcast
- Mobile Information – news and information on your mobile device
- Snappy – client-server system enabling ads, offers and promotions to be delivered on mobile device
- Mobistel – enable secure data exchange and access to confidential content by mobile device

### Other projects:

- IFPS – Full CAD system for monitoring, command and control during fire and rescue intervention
- CSO (Clinical System Organizer)
- ParagrafLex – full single client and network solutions for accessing up-to-date legal documents DB

### Professional Services:

- Software consultancy services to mobile industry
  - ↳ Field & Robustness Test for GSM/GPRS Mobile Phone (TEXAS INSTRUMENTS Deutschland GmbH);
  - ↳ Software variation test on new models of mobile phones for Siemens AG, Munich
  - ↳ Operator software test on new models of mobile phones for Siemens AG, Munich
  - ↳ Development of Digital Rights Management DMR Modules (under NDA)
  - ↳ Testing of cordless/wireless home products, i.e. WLAN equipment
- Communication and applications SW development for GSM/GPRS, UMTS, WLAN
- System integration, porting 3rd party JVM to APOXI platform for mobile phones

## TECHNICAL ENVIRONMENT

- Operating Systems:** Windows 95 to XP/Mobile • Linux • uLinux • Symbian • Nucleus • Apoxi • iPhone • Android
- Processors:** ARM7 • ARM9 • Motorola 68k • TI's TMS320 C50
- Software:** C • Objective C • C++ • C# • SDL • UML • Java EE • Java SE • J2ME • .NET • Python • Perl • XUL Mozilla • Ajax • PHP
- Servers & Databases:** Apache • Tomcat • MySQL • PostgreSQL • HSQL • Apache Derby
- Software Tools:** SDL • UML • CVS • Bugzilla • MS Project • ClearQuest • ClearCase • Eclipse • Qt • MS Visual Studio 6/2003/2005

## WHY ZESIUM?

- Zesium is a team that consists of a compact group of skilled engineers who successfully work together on solving different kinds of problems. The key point of our team collaboration is in instigation of open communication, as well as ideas and information sharing, which contribute to better understanding of possible issues and contriving optimal solutions.
- Zesium team covers all necessary roles for successful and efficient project execution and completion, which means that each team member fully accepts his/her responsibility in a project and is fully aware of roles and project duties of others. Team leaders with experience in project management are able to recognize abilities and skills of each team member and motivate him/her to use them adequately for producing the best results.
- Zesium is a final product oriented company that uses structural approach for project planning and software development, which in turn guarantees quality of utilised processes and final products. This is specially emphasized by internal ongoing implementation of CMMI recommendations which gives clear advantage in overall company organization
- If engaged in a project, Zesium guaranties sufficient number of quality engineers during project execution. This is feasible through our cooperation with Department of telecommunication and signal processing of Technical Faculty of Science in Novi Sad, which enables us recruit and train young graduates who are immediately available and able to join and be involved in the working processes of the company.
- Working together with Zesium, our partners can concentrate on quality of project outcomes, leaving us to take care of all logistic issues like quality and satisfaction of employees, necessary equipment and space for project realization.
- Zesium team has experience with working on international projects with multinational participants and easily adapts to procedures and requirements of our clients.
- As member of Serbian Software Cluster, Zesium has excellent communication and cooperation with other software companies within the cluster.

