

## Company

NetHabilis was founded in January 2002 in Athens, Hellas, by a team of professional software engineers, with extensive experience in the design, implementation and management of wireless and mobile IT projects. NetHabilis excels in the design and development of novel wireless mobile solutions, based on handheld computers and mobile networks, such as solutions for mobile multilingual information guides for museums and exhibitions, data collection solutions for field personnel, remote access to enterprise data through secure wireless networks, etc.

NetHabilis consultants enable mobile employees of private and public organizations to have secure and speedy access to important enterprise information, stored on back-end enterprise systems, anywhere, anytime.

NetHabilis' main goal is to provide on-budget integrated IT enterprise solutions for companies of the public and private sectors.

## Expertise

NetHabilis personnel have excellent expertise in the design and development of integrated web and mobile/wireless information systems for use in commercial and industrial environments in .NET™ and Java™ platforms.

## Partners

NetHabilis has formed strong partnerships with major IT companies, so as to attain the necessary expertise and knowledge to design and implement advanced IT web and mobile/wireless enterprise solutions. Within the framework of such partnerships, NetHabilis utilizes the platforms, related software and equipment of its partners to provide value-added services and products. NetHabilis is a proud business partner to HP, IBM, Microsoft and BARACODA.

## Products

NetHabilis has developed and promotes the following IT solutions to the Greek and international markets:

### ***Wireless Mobile Applications***

#### **NetHabilis® Digital Visit™**

NetHabilis® DigitalVisit™ is a mobile information guide system, capable of 1-click access to localised multimedia content over wireless networks. NetHabilis® DigitalVisit™ is highly appropriate for organisations that wish to manage and promote localised

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multimedia content for their cultural, educational and commercial products and / or services.

Possible users of NetHabilis® Digital Visit™ include:

- Museums and cultural institutions, heritage organizations
- Archaeological areas
- Zoos
- Galleries
- Car exhibitions
- etc.

### **NetHabilis® Mobile Surveyor™**

NetHabilis® Mobile Surveyor™ is a mobile data collection application that uses structured surveys / questionnaires for data acquisition. The application is capable of communicating with back-end systems, over wired or wireless networks, so as to exchange enterprise information (questionnaires, responses, etc). NetHabilis® Mobile Surveyor™ is valuable to any company that needs to collect structured data of any format (text, images, etc).

Possible users of NetHabilis® Mobile Surveyor™ include:

- Market Research companies
- HVAC firms
- Utility companies
- Construction firms
- Cleaning services companies
- Government agencies
- Supermarkets
- Department stores
- Exhibitions
- etc.

## ***Internet applications***

### **NetHabilis® InfoHabilis™**

NetHabilis® InfoHabilis™ is a multilingual web content management system. It empowers inexperienced non-technical company personnel to easily and quickly create and update the digital content of the company web site. The system allows the creation and update of web content in any language required by the company, without help from external technical personnel (web developers, web designers) etc.

## **Services**

The philosophy behind all business decisions made by NetHabilis is the company focus to the provision of novel mobile applications to companies in vertical and horizontal markets. Having a profound knowledge of the issues relevant to the implementation of

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wireless and mobile solutions, NetHabilis can offer the most modern choices as far as technologies, tools and services are concerned.

NetHabilis consultants work directly with the customer contributing their help during any phase of an IT project.

NetHabilis provides the following services:

- Project Management
- Analysis, design and implementation of advanced web and wireless mobile IT systems
  - Access to data stored in remote systems (relational databases, legacy systems, etc).
  - Interfacing to enterprise messaging systems such as Microsoft Exchange Server and IBM Lotus Notes.
- Consulting on mobile solution issues pertaining to the combination of IT and business processes
  - Identification of real business needs.
  - Classification and selection of the best available products, tools and technologies, according to customer needs and project budget.
- Third-party product development following customer specifications.
- Complete solution implementation (Outsourcing).
- Business process re-engineering through IT-enhanced best practices.

## Tools and technologies expertise

NetHabilis consultants collaborate closely with the customer's project team, so as to define the appropriate tools and technologies that will provide an optimum solution that fully address the customer business needs.

NetHabilis has gained extensive experience working with the following software development tools and platforms:

- Microsoft Visual Studio.NET (C#.NET, XML Web Services, .NET Compact Framework)
- Microsoft SQL Server CE 2.0
- Microsoft Windows Mobile 2003, Windows CE.NET
- IBM DB2 Everyplace

### **Microsoft® .NET Platform**

The .NET Framework is a new computing platform that simplifies application development in the highly distributed environment of the Internet. .NET is an infrastructure, a set of tools and services, that heavily depends on four Internet standards: HTTP, for transporting data; XML for exchanging data stored in diverse formats and databases; SOAP, for enabling

#### **Microsoft® .NET Technologies**

- C#.NET
- Visual Basic.NET
- .NET Compact Framework
- .NET Components and Services
- ADO.NET, ASP.NET, Windows Forms, Web Forms
- XML Web Services

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applications or services to communicate with other applications and services across the Internet; and UDDI, a distributed directory that enables services to discover each other. .NET is a layered platform: The bottom layer consists of the .NET Enterprise Servers, a family of products such as Microsoft SQL Server and Microsoft Application Center that embody Microsoft's own infrastructure for hosting .Net applications and data. The next layer up is the .NET Framework, a development language-neutral infrastructure for programming .Net applications and services. On top of that lie Microsoft's services (MapPoint .NET, Passport.NET, etc) that developers can integrate with their own applications.

## **Java™ Platform**

J2EE™ is a platform-independent technology for developing and deploying Internet-based enterprise applications. The J2EE platform consists of services, APIs, and protocols that provide the means for developing multitiered, Internet-based applications.

At the client tier, J2EE™ supports various types of agents ranging from standard web browsers to hand-held devices. At the web tier, servlets and JavaServer Pages™ control agent interaction and content formatting respectively. At the business logic tier, Enterprise JavaBeans™ (EJBs) realize business processes and entities. Finally at the data tier, Java Database Connectivity (JDBC™) and J2EE™ Connectors are the means for accessing database and other back-end systems (ERP applications, mainframes, transactional processing monitors, etc).

### **Java™ 2 Platform Technologies**

- JDBC™ Data Access API
- Java™ Servlet API
- JavaServer Pages™
- Enterprise JavaBeans™
- Java™ Message Service
- Java™ Transaction API
- Java Naming and Directory Interface™
- Java™ Web Services
- Java™ API for XML Parsing/Binding

## **Analysis and Design Methodologies**

At NetHabilis we believe that successful enterprise applications are the result of well-tested designs and appropriate application of software development best practices, along with iterative development, extensive testing and change management. The Unified Modeling Language™ (UML) is an industry standard for the design of diagrammatic models that formally describes the data, structural components and behavior of software systems and businesses. UML™ coupled with Rational® Unified Process, a proven, robust and configurable methodology for running software projects, is the key to effective enterprise applications.

### **Analysis and Design Technologies**

- Unified Modeling Language™
- Rational® Unified Process

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## Data Management

Relational database management systems are the most mature, proven and employed technology for storing, accessing and analyzing the most valuable asset of every modern enterprise. In today's high transactional systems, all crucial application runtime data end up stored in high availability database clusters; database management systems provide the means for keeping enterprise applications online.

### Database Management Systems

- Microsoft® SQL Server
- IBM® DB2 Universal Database
- Oracle Database®
- MySQL Database

## Application Containers

The transfer of business logic to the server has led to significant changes in the software development industry as a whole. The business logic tier of Internet-based enterprise applications is not replicated in each client installation; it is centralized in order to facilitate ease of maintenance and administration. However, it has to sustain load generated by hundreds or thousands of concurrent users, which is a usual scenario for today's business-intensive applications. As a result, application availability, reliability, scalability, security and fault tolerance have become a puzzle for today's networked enterprises: Besides careful and solid design, the runtime environment and its services (clustering, load balancing, pooling and transparent fail-over) constitute a crucial factor for the success of every enterprise application.

### Application, Web and Portal Servers

- Microsoft® Application Center
- Microsoft® Internet Information Server
- IBM WebSphere® Application Server
- IBM WebSphere® Portal

## Clientele

- Greek Government - Hellenic Ministry of Culture – DEEMPK
- Archetypon S.A.
- Water & Air
- Mia Casa
- Dialogos Communications

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## About NetHabilis

NetHabilis has extensive know-how in the design and development of advanced web (intranet/extranet/internet) and mobile/wireless information systems, for access by any network device (Desktop PC, Laptop, Tablet PC, Pocket PC, Mobile Phones/SmartPhone, etc), anytime, anywhere.

NetHabilis consultants are readily available to discuss the needs of **your** next IT project.

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business partner



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