

Company Profile

MONFORT - Software Engineering (www.monfort.co.il) has been offering software development services since 1997. Our experience spans over a wide range of technologies and development tools in fields such as embedded systems, networking, IT systems and high performance graphic applications. We offer a full range of software development services, from preliminary project analysis through design, implementation and testing to final integration and product support.

Our elite software development teams can be integrated with your company to provide quick and seamless results. Alternatively you can entrust your project in its entirety to Monfort, knowing that you are free to handle other issues.

“MONFORT is committed to their customers’ needs”

Our Mission

Our mission at **MONFORT** is to provide software outsourcing services to companies requiring high quality development, an in-depth understanding of the customer's needs, profound technical expertise and best development practices, affordable prices, and without compromising time to market schedules.

Our Values

MONFORT understands the industry's demand for constant product improvement, thus producing reusable and modifiable software is central to our values. We strive to produce efficient, easy to understand and maintainable software that meets the needs of today and grows with the needs of tomorrow.

Our pride is in our employees. **MONFORT** employs elite teams of top qualified software professionals that meet the highest professional and personal criteria. We provide them with an environment that incubates excellence and continuous improvement.

Fields of specialization

Embedded software design & development

Monfort's experience in the field of embedded software development spans from development of simple OS-less solutions on 8bit processors to highly complex applications running under real-time OS environments such as VxWorks and Linux. Most of Monfort's embedded development experience lies in the medical and telecom fields. Among our developments:

- Real-time packet flow analysis and classification for layers 2 and 3 switches under Linux and VxWorks.
- Cross platform communication stack implementations for ISDN.
- Linux kernel driver implementation for WiFi chipset.
- BSP development for PPC based boards.
- Extensive experience with ARM assembly language
- Applications for mobile and hand-held devices

3D Software design & development

Monfort's experience in the field of real time 3D rendering software includes development of various 3D rendering engines and applications, for multiple platforms and operating environments. We specialize in unique optimizations for achieving highly optimized solutions for software based 3D graphics.

IT systems design & development

Monfort's experience range from simple accounting to complex medical systems. We have successfully developed, integrate and are maintaining solutions in fields such as medical information systems, tele-communications, and enterprise software. We've acquired vast experience in technologies such as Oracle® and Microsoft® databases, and Windows and Linux environments. We employ an experienced group of engineers working with .NET technology since its introduction.

Technology & Expertise

- Windows, Linux, and Real time OS development
- Mobile device development for various mobile device platforms
- wide range of telecom and communication system development
- Solutions for medical equipment employing variety of technologies and meeting the strict medical industry standards such as the FDA, and others
- Development of both 3D and 2D real time rendering systems for various target architectures

Technology & Expertise

Windows / desktop application development

- Rich UI desktop applications using Java, C#, Visual C++ and Delphi.
- Extensive experience with Windows .NET, APIs, MFC, Windows service, drivers, and many other windows based technologies.
- Development of database applications and solutions based on open-source databases, Oracle, and SQL servers.
- Development of multi user enterprise applications over large scale databases.
- Applications written in Nokia's Qt and built for Embedded Linux, desktop Linux, Windows and Macintosh.

Linux development

- BSP's for Linux based embedded systems. Including bootloader and driver development.
- Build environment and user space root file system configurations for embedded Linux systems.
- Emulation of Windows execution environment under on Linux machines.
- Platform specific improvements inside the Linux kernel.
- Backporting new file system drivers to old kernel.

Mobile device development

Experience in application development for various mobile device platforms including:

- Google Android
- Apple iOS
- Windows Phone 7
- Windows Mobile / Windows CE
- Symbian OS
- Java including J2ME, MIDP, Blackberry and DoJa.
- Palm OS
- Qualcomm BREW

Communication

Experience in wide range of telecom and communication system development including:

- Realtime IP communication classification and tagging (deep packet inspection).
- ISDN audio video conferencing protocol stack implementation (H.320).
- WiFi MAC driver development.
- Ethernet MAC driver development.
- Various tasks in telecom equipment software development such as management and logging systems.

Medical systems

Medical equipment must be reliable, accurate, bug-free, and meet strict industry regulations standards and quality criteria. Monfort has developed software for medical equipment for many years employing variety of technologies and meeting the strict medical industry standards such as the FDA, and others

Graphics

Monfort acquired extensive experience in development of both 3D and 2D real time rendering systems for various target architectures.

We implemented a wide range of graphic applications for solutions such as:

- Software implementation of graphic library standards such as OpenGL/ES and SVG, with implementations passing the Khronos Conformance Tests.
- Near photorealistic interactive real-time polygonal software rendering engines.
- Low level optimization of rasterization algorithms for various hardware architectures including SH4, FRV, ARM and X86.
- API development for 2D and 3D graphic engines.
- 3D mesh compressions and smoothing tools.
- Light weight fixed/floating-point 3D engines for embedded platforms.



Our Successes

Years of market presence provided us with precious experience and customer understanding. Our mission critical solutions are being used successfully around the world by companies such as:

Consumer Electronics and Mobile

Fujisoft Inc., Fujitsu Limited, Acrodea Inc., EMobile, Ltd., Kyocera Co., NEC Co., NTT DoCoMo Inc., Qualcomm Inc., Sharp Co., WILLCOM Inc., DSP Group, Zeebo Inc., Orange France Telecom.

Medical Devices

Aerotel Medical Systems, Bioness Inc., Sanmina-Sci, GE Healthcare

Software Development & IT

Marvell Technologies Group, HP (Mercury Interactive), Emblaze-VCON, YAPPA Co., Enure Networks, Go Networks, Wavion

And many others...

Company Headquarters

Kibbutz Sa'ar

Phone : +972-4-9522523

Fax : +972-4-9522524

Email: contact@monfort.co.il