DeviceWare

...MAKING HARDWARE AND SOFTWARE BECOME ONE

DeviceWare™ is a Christchurch, New Zealand based, electronics design company specialising in embedded product design. We will:

- develop the hardware and embedded software for products;
- design for manufacture, and can organise manufacture;
- perform feasibility investigations and rapid proof-of-concept prototyping;
- advise on how to improve the development process and methods of capturing and implementing requirements, set up projects, manage configurations and track changes; and
- provide mentoring and training.

We develop a wide range of products, from core-products to small run accessory products.

Product Development adds competitive advantage

Providing new products quickly and consistently is critical for company growth and market leadership. When you engage DeviceWare in the development of your new product, you give your company an edge by being able to offer more to your customers, attract new customers, and raising the bar for your competitors.

It is vital to be first in today's marketplace because it enables you to claim the highest value markets. Any means of reducing the time-to-market to get this advantage is important. The simplest way of obtaining this advantage is the use of external resources.

Why DeviceWare?

DeviceWare offers technical expertise, resources and services for boosting your development process. Our approach is to help you exceed your customers expectations by providing them with a complete solution rather than just a product, thereby adding to your success. We help you identify and develop those aspects of a product that add greatest value for the customers, increase your margins and strengthen your brand.
We relish projects that use state-of-the-art technology or require innovative thinking, and are likely to be commercially viable but need additional resource to bring them to fruition.

DeviceWare Ltd Tel: +64 3 371 7592 Email: info@deviceware.co.nz
Website: www.deviceware.co.nz PO Box 130080, Christchurch, New Zealand.

WHAT WE DO

Our expertise include:

- Product development
- Embedded software programming, including DSP programming
- Analog and digital electronics design
- Global positioning and tracking
- Remote monitoring and control applications
- Object-oriented design and programming
- Control systems
- Windows / Linux driver development
- Image and digital signal processing
- A wide knowledge of communication systems and standards
- PCB layout and design for manufacture

Our service packages include:

- Setting up projects that are easy to maintain and control. Here we provide a practitioner approach to source control and configuration management.
- Advice and training on topics such as product/software architecture, software programming methodologies, development processes and configuration management.
- Proof-of-concept investigations and rapid prototyping.
- Product development, be it a complete project or enhancements for existing products.

Our standard suite of skills include programming, project / risk management with a good understanding of working within a quality system environment.

We are experienced in product certification and compliance to international standards for aspects of telecommunications, electro-magnetic-compatibility (EMC) and CE...

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OUR APPROACH

DeviceWare specialise in developing embedded products. This means that we work closely with industries ranging from component suppliers, PCB manufacturers, local contract manufacturers right through to producing marketing brochures.

Our clients tend to be technology based companies where time-to-market is a key factor. We generally focus on telecommunication systems, monitoring equipment, control systems and product accessories. The accessories market is well suited to outsourcing since its demand for resources fluctuates and hinders the focus of core product development.

When you engage in a contract with DeviceWare, there are no hidden overheads such as recruiting, training and ongoing remuneration for when the project is completed. We are committed to providing a professional and efficient service.

We recognise that communication is as important as one's technical ability and will respect the human factor of engineering, at an interpersonal or team level, through issues management, diplomacy and respect for others.

Quality and Confidentiality

DeviceWare stands for excellence. We have a wide experience in many industries and we are comfortable working according to company, project and ISO quality procedures.
We have a range of measures in place to ensure the confidentiality of ideas, processes and technologies.

RECENT PROJECTS

Tait Electronics Ltd
Tait Electronics manufactures and develops mobile radio equipment used primarily by the emergency services. As part of the APCO project, Tait required verification that the purchase of an expensive third party vocoder performed as specified and was capable of fitting into their radio architecture. We were able to provide this verification along with performance figures and system design recommendations - well before the acceptance date.

Connexionz Ltd
Connexionz provides real-time bus information utilising GPS technology. As part of the Sydney Transit Way project, Connexionz provided the back-end server and sign controllers. To comply with the Australian Equal Opportunities Act, the information provided upon the alpha-numeric signs also had to be available to the visually impaired user in the form of an audio announcement. DeviceWare developed an automated 'audio-sign' that provided real-time bus scheduling information tailored to the user's input and location.

Tait Electronics Ltd
Tait Electronics required enhancements that would make radio equipment capable of seamlessly interfacing with an extended range of third party equipment. We added enhancements that included support for other protocols, better auxiliary inputs/outputs control, changing the configuration application and underlying databases. This has now made Tait Electronics an important supplier for the replacement market, especially since some major radio equipment manufacturers have ceased operation.

Contact us for testimonials.

ABOUT US

DeviceWare exists to make our client organisations more profitable through developing new products and reducing development time, therefore speeding up time-to-market. We work mostly in the business-to-business sector with innovation leaders, technology developers, manufacturers and product design firms.
We have an office in the city, and can also work on-site with the customer.

DeviceWare Ltd was set up by Synco Reynders, a qualified electrical engineer based in Christchurch, New Zealand. During his extensive career, key jobs have included:

Philips RCS Division – *Lead Software Architect*
(Leuven, Belgium)
Managed a team of programmers. Involved in project management training and the introduction of the Rational Unified Process (RUP)-development process. Technical aspects included software architecture and object-oriented design using UML, implementation and configuration management.

Dutch Vision Systems – *Applications Engineer*
(Breda, the Netherlands)
The company is a system-integrator in the design of industrial machine-vision inspection systems. This wide ranging role included developing image-processing algorithms, creating user-interface software applications to system installation.

Tait Electronics Ltd – *Design Engineer*
Developed a digital signal processor (DSP)-based product which interfaces a telephone network to the Tait radio equipment.

University of Canterbury – *Electronics Laboratory Supervisor*
Supervised and tutored undergraduate students in the application and theory of electronics.

Skope Industries Ltd – *Quality Technician*
Produced the Design Control section and relevant product design procedures for the company's quality system, enabling it to attain ISO9001 accreditation.

CONTACT US

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