Company Profile

Soldiers who are situationally aware and safe.

We develop innovative control technologies for people who work in defence, homeland security and law enforcement. Our products enable them to quickly and safely control multiple electronic devices whilst on the move and without having to take either their eyes or hands off task.

We are a wholly owned subsidiary of KordTech Pty Limited based in Canberra Australia. Our mission is to provide soldiers and those on the front line with a better, faster, safer way of controlling their electronic devices – anytime and anywhere.

We have an experienced management team and board with skills in research and financial management, defence procurement, capital raising, corporate governance and commercial law. Our small but highly skilled technical team has experience in the research, development and production of both software and hardware technologies.

Our technical capabilities have been enhanced through strong partnerships with highly innovative companies such as Tiller Design (Industrial design and fabrication) and Amphenol Australia (Cable assembly design and manufacture).

We also obtain specialist services and professional advice from a network of highly qualified companies as well as from individuals within our investor community.

We aim to commercialise our technology through strong and market-focused alliances with world leading manufacturers and system integrators.

TECHNOLOGY AND PRODUCTS

Our patented technology (called Kord$^{©}$ Interface Technology) helps people in hazardous and stressful situations to control their electronic devices – without always having to look at a display or take their hands off what they are doing.

It consists of a 5 button input device, called a SmartGrip, a Chordic Graphical User Interface (CGUI) and a suite of chordic software and hardware.

The SmartGrip is operated by pressing single or multiple buttons (called chords) – like playing a computer game. The device may be hand-held, body worn or attached, or it also may be incorporated within other devices (e.g. the steering wheel of a car) or adapted into different forms (e.g. 3 buttons).

While our technology has immediate application to defence, homeland security and law enforcement, it could also be used for emergency and first responders (firefighters, HAZMAT, search & rescue), heavy industry (mining, power plants, abattoirs), mobile devices (extreme sports, electronic trading), computer gaming, underwater and rugged computers, mobile phones, remote controls, home networks, handicapped, vehicle and avionic controls.

Our flagship product, the SmartGrip Remote Integrated Controller (RIC), provides soldiers with a fast, simple and safe way of remotely operating all their electronic devices from one central location on the weapon without losing situational awareness. It attaches to any standard weapon rail system and contains a small programmable microprocessor for interfacing to a range of electronic devices including thermal weapon sights, infra-red sensors, night aiming devices, laser range finders, radios, and computers and GPS. It can be customised for specific devices, or for different roles and functions.

The RIC is able to control almost any electronic device that has some form of external control. Because the soldier is always eyes on, hands on, it can significantly improve their performance, combat effectiveness, survivability and reduce cognitive load.

CAPABILITIES

We have extensive capabilities and skills in developing smart and intuitive interface technologies that give enhanced performance and a real capability benefit:

➢ Prototype and production chordic controllers and push button input devices.

➢ Integration technologies including cable assemblies, radio control and data logging modules.

➢ Chordic circuitry and firmware.

➢ Custom chordic software applications and modules.

➢ Demonstrator interfaces and hardware for evaluation and trial.

➢ Experimental data and algorithms.

➢ Training and simulation packages.

SERVICES

Our small team of highly skilled engineers and defence professionals can provide expert advice and support in relation to:

➢ Application and implementation of chordic interfaces.

➢ Integration and control of soldier systems.

➢ Human factors, ergonomic design and evaluation.

➢ Performance testing and trial support.

➢ Training and simulation.

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