



CISTECH

S O L U T I O N S



RADIO OVER IP

NETWORKING

COMPUTE

CONSOLE

COMMUNICATIONS

POWER

CHANGING THE WAY YOU COMMUNICATE

WHO WE ARE

CISTECH is a 100% Australian owned company dedicated to delivering reliable communications in any environment. We partner with local and international agencies, whilst developing equipment and applications internally to bridge capability gaps wherever they may arise.

We are an ISO 9001-2015 certified organisation and are members of the Defence Industry Security Program. We pride ourselves on delivering quality solutions in all markets and are dedicated to going above and beyond, working directly with you to ensure that you have the best experience possible, on the day it counts the most.

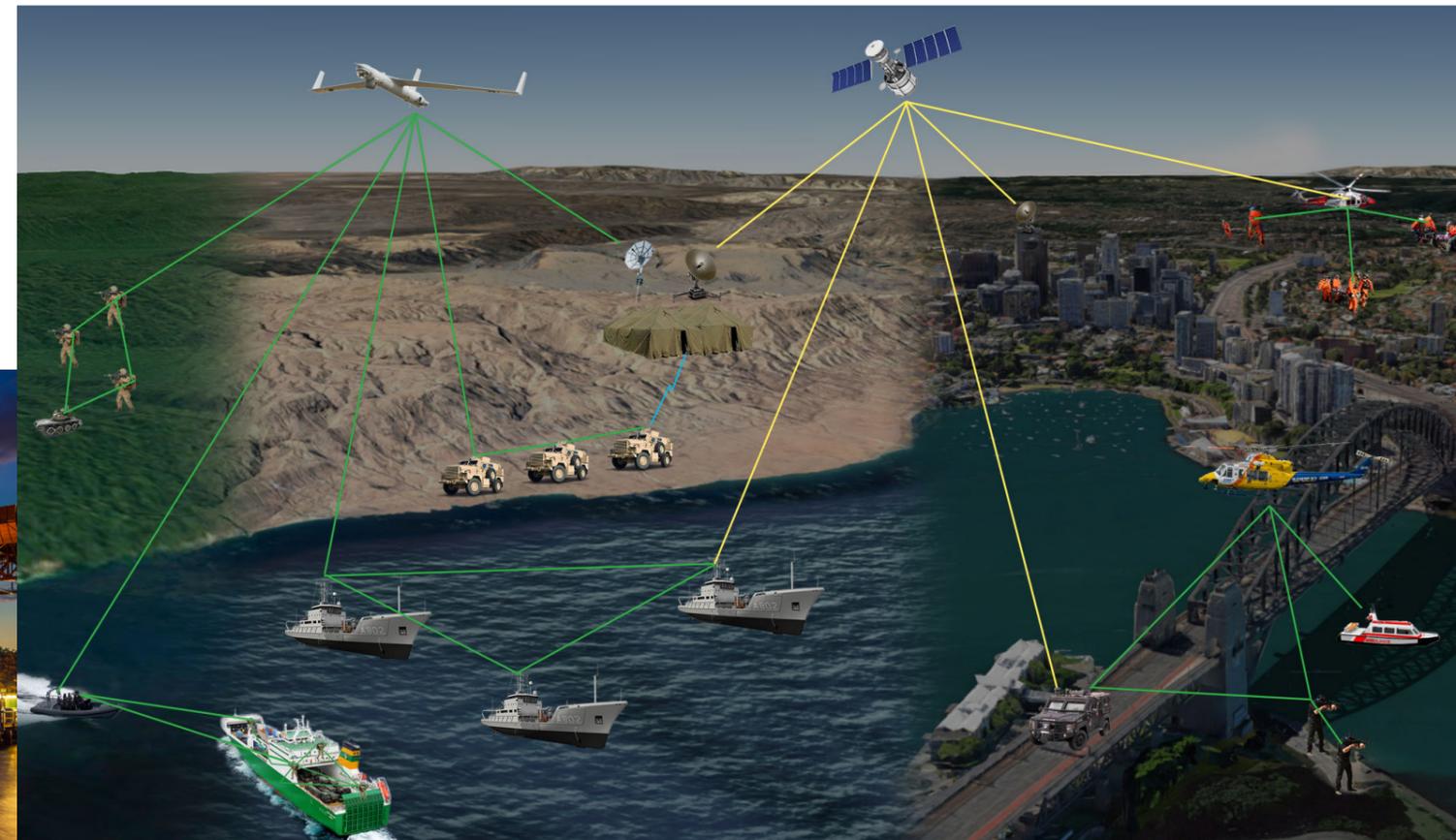


OPERATIONAL VIEW

Implementation of intelligent multipurpose devices in conjunction with a sound architecture, is the basis for a solution that can scale and adopt as new technology emerges. Systems should have easily replaceable components that allow for modularity, scalability and that comprise the building blocks that enable evolutionary growth.

In an endeavour to simplify tactical and enterprise networking, CISTECH has partnered with companies around the world that create best of breed solutions. Using equipment that is engineered with first-rate performance and compatibility in the forefront of the development cycle, and focussing on mission critical systems, our aim is to increase interoperability whilst reducing the complexity.

Either individually or as a part of a homogenous solution, these products will assist you to increase reach, reduce costs, and enhance interoperability. CISTECH Solutions work as the capability architect to create a modular, scalable solution that fits the needs of our customers.



THE KEY TO OUR SUCCESS IS THROUGH STRENGTH IN PARTNERSHIP

AS TECHNOLOGY CHANGES, SO DO WE

RADIO OVER IP

Irrespective of where technology is heading, the ability to integrate current day radio networks into IP systems is still a key requirement for the successful delivery of voice services. In a change to the traditional methodology, CISTECH develops hardware solutions to enable the rugged integration of radio systems without the need for servers, yet provides a bridging capability into the enterprise for strategic integration.

Our RoIP gateway solutions allow users on smartphones to talk to tradition and MANET based radios, laptops, transmit voice over SATCOM, all without a server. Integrating with the Klas Telecom Tactical Radio Integration Kit puts all this capability in one easy to deploy, ruggedised, roll away case.



KLAS VOYAGER EMm



Integrated Radio over IP (RoIP) system with interfaces for radio, Ethernet and handset audio

Fuelled by Cistech Solutions technology, Voyager EMm is an integrated Radio over IP (RoIP) system with interfaces for radio, Ethernet and handset audio. This unit allows for simultaneous mixing and patching of up to 4 RoIP ports with Multicast, Unicast, and SIP resources. With ultra-low power requirements, Voyager EMm is ideal for battery powered applications where SWaP is critical.

GV1-2010

Single Port Radio over IP (RoIP) Gateway for Mission Critical Operations

The GV1-2010 Radio over IP (RoIP) gateway is a ruggedized, portable, single port radio gateway that provides advanced connection options to IP networks. The compact IP67 / MIL-STD-810G form factor of the GV1-2010 can be utilised as a radio gateway, radio remote, or as a voice mixing engine to converge and convert voice streams. Capable of being powered off PoE, it is your plug and play solution for RoIP.



TRIK

Compact Communications Capability.



The capabilities of the modular and scalable Voyager deployable communications system extend beyond supporting traditional network modules to providing total RoIP integration for common soldier and backpack tactical radios. Custom made mounting brackets secure radios in place in the Voyager 8 transit case and chassis system.



ELIMINATE THE DIVIDE BETWEEN DIFFERENT ORGANISATIONS



PUT LMR RADIOS ON THE NETWORK

COMPUTE & NETWORKING

For orchestration of all elements dispersed throughout the battlespace, a high level of Command and Control is required to assure mission success. In order to provide this level of C2, high speed, reliable and robust networks are vital to ensuring information can be distributed to all levels of the command chain in near-real time. Leveraging scalable and modular technology adaptable for use across a variety of applications, our trusted partnerships can enable reliability in a typically fragmented environment.

TACTICAL DATA CENTRE

Deploy an enterprise-grade compute and data storage network in a carry-on size.

Replace pallets of equipment with a rollaway solution. Voyager TDC transforms data centre operations at the extreme network edge by replacing loads of equipment with a single case that is easy to deploy; simplifies logistics, transportation and operations; and ultimately lowers cost of ownership for customers.



NETWORK AND COMPUTE MODULES

Customisation based on mission demand.

Voyager's extensive range of rugged, low SWaP, deployable network modules allow customization based on mission demands and optimized size, weight, and power (SWaP). Voyager modules have customized electrical, mechanical, and network components to provide a high number of features in compact packages.



VOYAGERCELL

Portability, scalability and flexibility for private cellular network deployments.

In situations where fixed infrastructure is down or unavailable, VoyagerCell is the ideal solution to provide disaster response, intelligence, security, law enforcement and defense teams with secure voice, voice and data, push-to-talk and a range of other capabilities for reliable communications in times of need.

UAV NETWORK EXTENSION

Keep watch with unlimited tethered power

UAVs have already transformed the battlefield, but Wave Relay® Ecosystem UAVs take it a step further. Because all these UAVs are on the Wave Relay® MANET, any warfighter in the network can stream video directly from them – or even fly them. Let your confidence soar with Livesky™ Sentry. And it can operate autonomously from anywhere — even from the back of a pick-up truck. Put Livesky™ Sentry to work as part of your team.



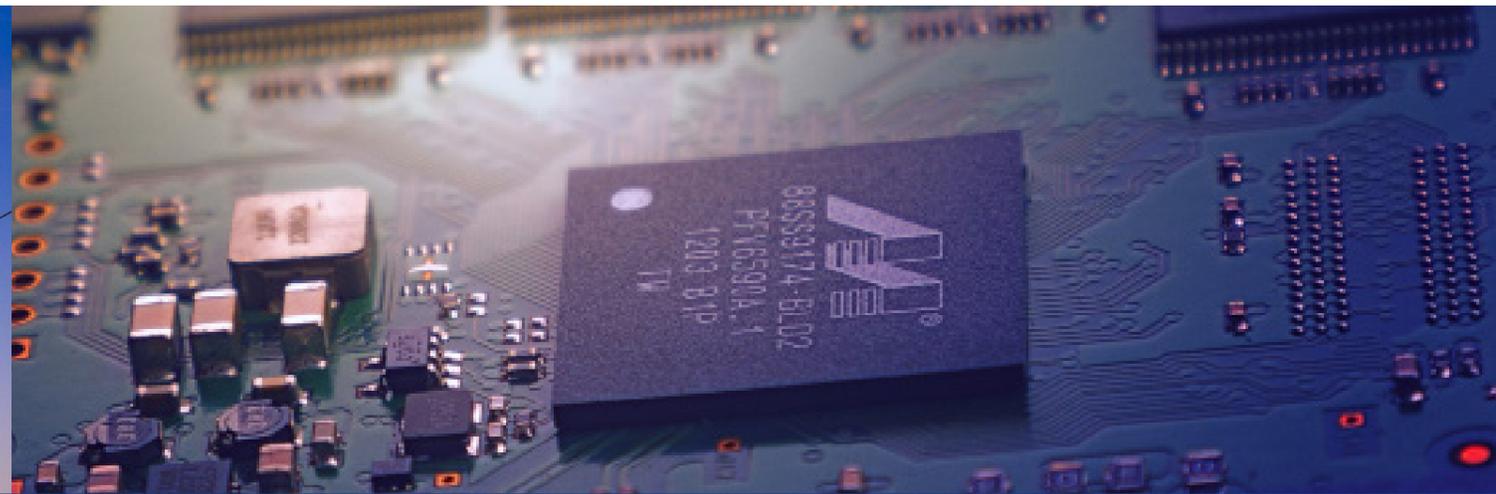
CLOUD RELAY™

A seamless networked solution to bridge Beyond Line of Sight (BLOS) to Line of Sight (LOS) networks.

Cloud Relay™ functions in conjunction with Persistent Systems Wave Relay® MPU5 to provide situational awareness, video and voice to any location in the world. Using BLOS bearers such as SATCOM, 3G/4G or ADSL, you can extend your Layer 2 MANET network seamlessly to anywhere it needs to be accessed.



SECURE, RUGGED, MOBILE COMMUNICATIONS

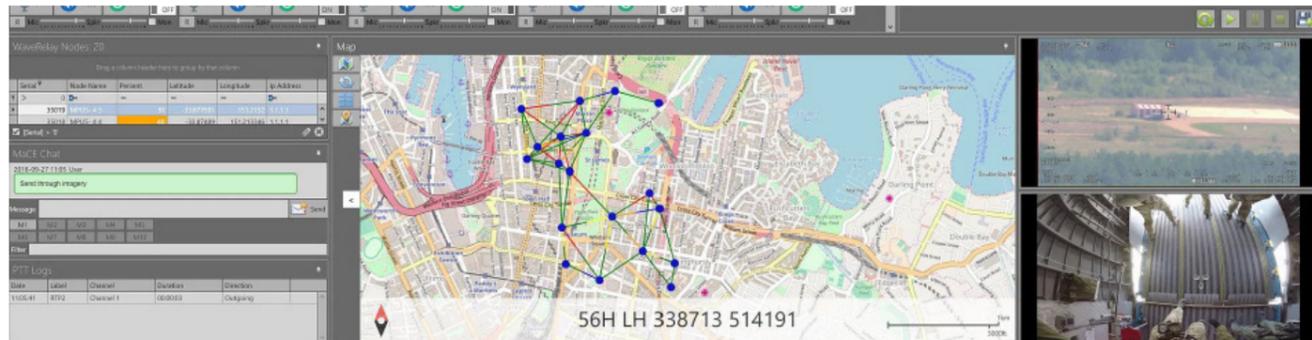


RUGGED, LOW SWaP, DEPLOYABLE NETWORK MODULES

CONSOLES

Visualising and interacting with your communications system is of critical importance to ensure successful operations. Core to this is a range of IP based consoles to suit whether you are mobile, at the tactical edge, or operating from within the enterprise.

Our products allow redundancy, flexibility and scalability of all components in the solution, integrating with smart phones, tablets, radios, laptops, office phones or desktop PCs. From feature packed to clean and simple layouts, we have a number of options to suit your every need.



MANET COMMAND ENVIRONMENT (MaCE)

Simplifying Command and Control through a single pane of glass.

The MANET Command Environment (MaCE) application is designed with the view of a serverless, "single pane of glass" window into your communications environment. Designed foremost to operate with the Wave Relay® MANET radios, MaCE provides a flexible and dynamic interface for the visualisation, configuration, and control of operational aspects of your network. MaCE's ability to self-learn the network reduces complexities of adding nodes to the interface and provides a readily accessible overview of your deployed network from the perspective of the operator. Voice Video and Situational Awareness has never been so simple.



SIMPLIFY COMMUNICATIONS FOR OPERATIONS OF ALL SIZES

WAVE 5000

The De Facto VoIP Platform.

Unique for its software-only approach and compelling for its unmatched functionality, flexibility and performance, WAVE connects and extends the IP-centric enterprise and the mobile workforce using two-way radio systems, smartphones, desktop IP phones, PCs and industry-standard unified communication and collaboration applications.



OI CONTACT

Serverless Voice Solution for Android.

Oi Contact brings a Server-less Push-To-Talk Android Voice Application that allows users in all positions to access and contribute to the conversation, from either the strategic, or tactical location with the push of a button. Oi Contact enables seamless communication between multiple agencies, in multiple locations without the burden of deploying server-based solutions.



INSTANT CONNECT

Strengthening your existing communication networks.

Instant Connect tears down silos and embraces a new level of connectivity that links radios with mobile and enterprise telephony. Instant Connect augments radio networks – getting more out of existing investments – with new communications capabilities that turn mobile and desktop IP devices into full-featured push-to-talk (PTT) devices.

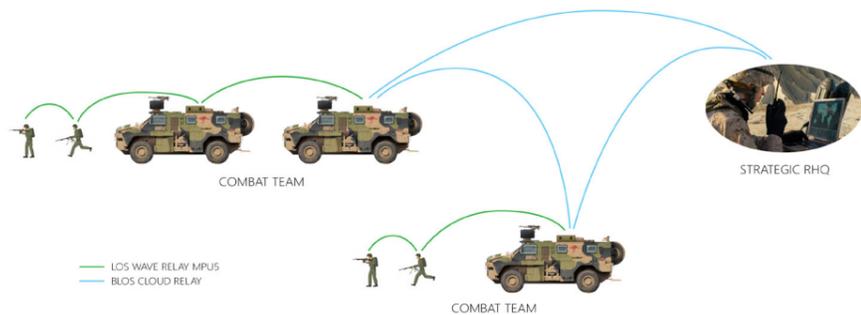


STRENGTHEN YOUR EXISTING COMMUNICATION NETWORKS

TACTICAL NETWORKING

The Wave Relay® MPU5 is used in tactical environments all around the world. The radio is designed to withstand extreme conditions, ensuring you will have communications when you need it most. Touted as the Military IoT device capable of concurrent, Voice, Video, Data, Situational Awareness, and distributed sensor collection and processing, the MPU5 is the world's first smart radio and is designed to create secure and powerful networks anywhere in the world.

Backed by an ecosystem of partner integrations, your sensors can now be connected to the network, increasing operational capacity and reducing load.



MPU5

The world's first smart radio.

The Wave Relay MPU5 ties together all your critical data in real time - providing command and control throughout the entire battle space. Providing high speed data, video, voice and an on board Android computer system makes this the most scalable, advanced and efficient Mobile Ad-Hoc Networking radio in the world.



AUTO TRACKING ANTENNA SYSTEM

Ground-To-Air System.

Introducing the Auto-Tracking Antenna System - a deployable system that works in concert with the MPU5 radio to deliver high throughput at long ranges to keep you in constant communication with your aircraft. Disassembling into five, easy-to-transport cases, the system can travel with you wherever you go.



INTEGRATED SENSORS AND ROBOTS

An alliance of companies working for you.

Whether you're exploring an underground tunnel or defusing an IED, Unmanned Ground Vehicles are an important part of your team's toolbox. UGVs in the Wave Relay® Ecosystem come in a variety of form factors - all MANET-ready, giving any warfighter the ability to see what the UGV sees.

MPU5 DISPLAY CONTROLLER

The battlefield of the future begins today.

Leverage off your dive-able smart radio with a unique submersible display screen that accesses the embedded computing power of the radio. Accessing and controlling connected capability has never been so simple. The display is fitted with joysticks and function buttons to allow interaction with whatever connected device you require, either above or below the waterline.



RELIABLE CONNECTIVITY WHEN YOU NEED IT THE MOST

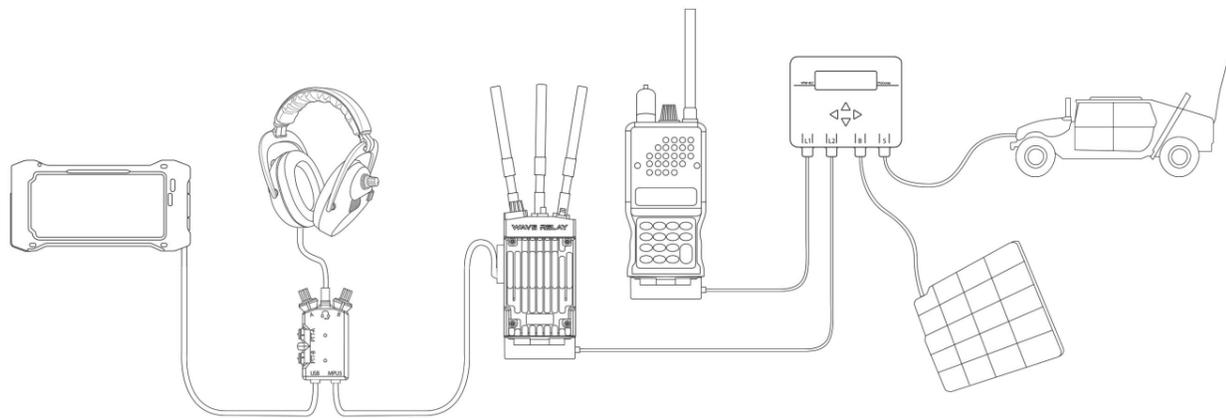


RESILIENT AND POWERFUL MESH NETWORKING

POWER

The heaviest items that are carried on extended deployments, or even short missions are water and batteries. Often, crucial items are discarded to ensure enough batteries are carried for an operation. With the Revision Military Squad Power Manager (SPM) you can power all your devices off the one battery of your choice, be it a conformal battery worn within the plate carrier, or a rechargeable BB-2590. The SPM provides capability to scavenge power off any available source (ie. a solar blanket, cigarette lighter in a vehicle, battery clamps) to charge your attached battery.

With all the Revision Military devices, you can conduct post-mission profiles to track your power usage. This means that you can accurately estimate the number of batteries required for each mission, instead of overestimating and overloading your weight. Grams add up to kilograms, and we want to reduce load carriage, and increase your capacity.



SQUAD POWER MANAGER

Maintain constant operability, regardless of power source.

Built around a suite of intelligent power management algorithms, the Squad Power Manager (SPM-622) can power equipment and recharge batteries simultaneously—scavenging from any available source, anywhere in the world, and automatically converting that power to reliably run critical equipment and devices.

INDIVIDUAL POWER MANAGER

The power to communicate.

The Individual Power Manager is the next generation of rugged, intelligent and portable power management. Smaller, lighter and more streamlined, the IPM integrates with more than 200 types of batteries and electronic equipment, seamlessly supporting a wide range of missions and shifting user demands.



SHAREPACK POWER MANAGEMENT

Store, deliver, harvest, and share power with a single, efficient system.

An advanced lightweight, conformal lithium-ion power pack with dual inputs, programmable voltages, upgradable software, and seamless plug-and-play—store, deliver, harvest, and share energy in the field while eliminating excess cabling and the need for spare batteries.



POWER ALL YOUR GEAR, ALL THE TIME, IN ANY ENVIRONMENT

THE POWER TO COMMUNICATE

GET IN TOUCH

Everyone has a unique problem space that may or may not have been addressed in this brief overview. If there is something you would like to discuss further, or see demonstrated in person, please feel free to reach out. Our team of dedicated staff have years of experience across military, government, and commercial spaces and will strive to ensure that your next deployment is a success.

All of our products and solutions with detailed technical specifications are available on our website at <http://www.cistechsolutions.com> with a regularly updated blog of newly released products, technical solutions and events we will be attending.

CISTECH Solutions is an Australian based company and can be contacted on **1300 300 340** or contact us via email at sales@cistechsolutions.com.



PROVIDING YOU THE BEST EXPERIENCE WITH YOUR EQUIPMENT



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