AVE TECHNOLOGIES

CAPABILITY STATEMENT

Australia's Premium Electrotechnology Solutions Provider

WHO WE ARE

We love a challenge. We love providing the opportunity for people to be the best in their field. We genuinely believe that quality, versatility and reliability of technology are paramount to our customers' ongoing success in their ventures.

OUR STORY

What began three decades ago in a modest Newcastle garage as Celtech Services has grown into AVE Technologies, a national electrotechnology partner with more than 70 employees, two thriving NSW offices, and projects delivered across Australia, New Zealand and South East Asia.

From early roots in audio visual and communications cabling, we have evolved into a trusted integrator across electrical engineering and drafting, process control and automation, access control, IP networking, wireless data and communications cabling. Our teams in Newcastle and Muswellbrook support clients locally and nationwide, bringing deep technical capability and a commitment to safety and quality.

Today, AVE delivers turnkey solutions for mining, power generation, data centres, education, defence, aged care, commercial and industrial sites, as well as government, transport and community infrastructure. as well as government, transport and community infrastructure. We combine proven engineering with practical innovation to deliver systems that are scalable, compliant and future ready.

Our dedication to excellence has been recognised at the NECA NSW and National Awards in both 2025 and 2026, across our people and projects.

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LOCAL SUPPORT, NATIONAL EXPERTISE

2500+ Projects delivered throughout Australia and New Zealand annually.

Our team of specialists brings deep expertise across every service line, collaborating to provide fully integrated solutions for projects of any scale.

With over 70 specialists and a fleet of over 45 vehicles, AVE Technologies combines the scale to deliver large projects with the flexibility of a smaller operator.

From project managers and technicians to installation crews and support staff, our people have a proven track record of delivering complex projects on time, on budget, and to the highest standard.

In addition to our work in the commercial and industrial sectors, AVE is an approved supplier under the NSW State Government ICT Services Scheme. We currently provide a wide range of electrotechnology and related services to government departments and sectors across Australia, including:

- NSW Department of Education
- Department of Defence
- Construction and commercial fit-outs
- Leisure parks and golf simulators
- Mining and power generation
- Aged care and health facilities
- Industrial and port infrastructure
- Local council assets and community spaces
- Building and strata management
- Data centres and critical infrastructure

We are committed to delivering safe, responsible, future-ready solutions that protect and empower the communities we serve.

OUR CLIENTS

WHAT WE DO

ELECTRICAL

Our electrical team has comprehensive experience across commercial and industrial sites. We deliver Power Cabling and full electrical works from design and installation to testing, upgrades and maintenance, ensuring safe, compliant and reliable outcomes.

- Electrical installation
- Power cabling
- Testing

ENGINEERING

End-to-end electrical engineering and drafting services delivering tailored solutions that ensure safety, compliance, and efficiency.

- Design and drafting
- Auditing
- Process control and automation

HEAVY INDUSTRIAL

At AVE Technologies, we deliver comprehensive electrotechnology solutions for heavy industry sites that keep production safe, reliable, and efficient in large and complex environments.

- Electrotechnology
- Turnkey solutions

ACCESS CONTROL

Our Access Control solutions cover vehicular and pedestrian entry with boom gates, automatic gates, and access turnstiles. We integrate Intercom Systems with CCTV, alarms, locks, and gates to provide seamless communication and a secure, fully connected solution for your site.

- Boom gates
- Automatic gates
- Access turnstiles
- Intercoms

AUDIO VISUAL SOLUTIONS

Integrated audiovisual solutions, including projectors, automation, control systems, multi-room audio, touchscreens and video walls.

- Audiovisual

CCTV & SURVEILLANCE

Custom-designed commercial CCTV and security systems, including wireless cameras and recording solutions.

- CCTV cameras

COMMUNICATIONS, DATA CENTRES & CRITICAL INFRASTRUCTURE

Designing, installing and maintaining resilient communications and data centre infrastructure that supports secure, reliable network performance.

- Fibre and structured cabling
- Structured data cabling
- Data centre infrastructure

OPERATIONAL TECHNOLOGY

AVE's operational technology specialists design, secure and support technology systems across plants, data centres and remote sites, spanning server hosting environments, firewalling and cybersecurity, GPS and positioning, RF/Radio and Wi-Fi, remote control systems, mobile equipment solutions and the operational applications that keep environments safe and efficient.

- Remote control systems, RF, Wi-Fi
- GPS & positioning systems

PUBLIC ADDRESS SYSTEMS

Integrated public address solutions tailored to your needs, with zone paging, background music, and evacuation support for clear, reliable communication in any environment.

- PA systems

SECURITY

We deliver tailored security solutions with advanced Electronic Access Control Systems (EACS) to protect your premises. Our range includes card and biometric security systems, providing reliable, scalable access management.

- Electronic access control
- Security systems

SERVICE & MAINTENANCE

Our skilled technicians respond swiftly to diagnose and fix issues, getting your systems back online fast. We offer tailored proactive service plans with scheduled testing, compliance checks, and preventive maintenance to minimise downtime and safety risks.

- Reactive servicing
- Proactive maintenance

Integrated power, control, access, visuals, communications and security for projects of any scale.

ACCESS CONTROL

Smarter Entry. Safer Sites.

Access control lets people and vehicles move with certainty. AVE designs and integrates systems that keep sites secure while maintaining a smooth flow, utilising card and biometric credentials, intercom-enabled verification, gates, mobile access, and real-time monitoring.

Each solution is tailored to the site, ranging from a single entry to multiple locations, and works seamlessly with existing security systems. The result is clear, auditable control of who enters designated areas, improving security, accountability and operational efficiency.

Service Offering Snapshot

- **Advanced Certified Technicians:** Multiple brands and OEMs.
- **Alarms, Electronic Access Control (EACS) & CCTV Integration:** One cohesive security platform.
- **Vehicular & Pedestrian Access Control:** Unified management across all entry points.
- **Boom Gates & Automatic Gates:** Cantilever/leaf gates with safety sensors and controls.
- **Turnstiles & Barriers:** Secure throughput for staff and visitors.
- **EACS (Card, Mobile & Biometric):** Role-based permissions, time zones, and audit trails.
- **Intercoms & Verification:** Seamless voice/video at access points.
- **Maintenance & Support:** Optimisation, reporting, and SLA options.

- ✓ NSW State Government ICT Approved Supplier
- ✓ Master Security Licence: 408823166 | Electrical Contractor Licence: 151777C
- ✓ Core Platforms: Inner Range (Integriti, Inception), Aritech (Challenger 10, Discovery, Axon), Gallagher SMB, ICT Protégé WX
- ✓ Intercom Vendors: Bticino, 2N, Aiphone, Akuvox and Hikvision
- ✓ Our Cabling System Vendor Accreditations: Panduit, AMP, R&M, AFL
- ✓ Enjoy Extended 25-Year Vendor-Specific Warranties where applicable
- ✓ Comprehensive Support Services Available
- ✓ Our access specialists, engineers, electricians and integrators support secure, seamless entry across government, education, industrial and commercial facilities

WHERE WE WORK Government precincts • Education • Mining & industrial • Commercial & mixed-use • Health & community • Warehousing & logistics • Transport hubs

We specialise in cohesive access ecosystems, unifying intercoms with EACS, CCTV, alarms, locks and gates, so you get better security, faster throughput and simpler administration.

WHERE WE WORK Public access spaces • Private & public schools • Restaurants, hospitality & social venues • Aged care & retirement villages • Gyms & recreational facilities • Commercial developments • Education and training facilities • Golf simulators

AUDIO VISUAL SOLUTIONS

Seamless Systems. Exceptional Experiences.

Audio Visual has always been at the core of AVE, delivering reliable, easy-to-use solutions across education, commercial, industrial, hospitality and public settings. We design systems that integrate seamlessly with your communications, control, security and IT infrastructure. Whether it's learning spaces, boardrooms, public displays, video walls or LED installations, we provide a turnkey service from design and engineering to installation and support.

Service Offering Snapshot

- **End-to-End System Design:** Fully tailored AV systems covering layout, hardware, control, acoustics and networking, engineered to work seamlessly and scale for future needs.
- **Audio & Acoustics:** Clear, consistent sound for classrooms, halls and large spaces.
- **Display Solutions:** Durable touchscreens, projection, video walls and LED panels designed for strong viewing performance in any setting.
- **Unified Communications:** Reliable meeting and hybrid-work setups integrating conferencing platforms, microphones, cameras, speakers and control.
- **Custom AV Solutions:** Engineered responses for complex needs such as automation, synchronised AV and high-performance environments.
- **Maintenance & Support:** Scheduled servicing, updates, calibration and fast reactive support, with specialist technicians and replacement stock.
- **Integrated Electrotechnology:** AV systems that work smoothly with electrical, communications, networking, security and automation for easier management and maximum uptime.

What sets AVE apart is our turnkey approach. We own the process from design through commissioning and ongoing support. Our team integrates best-of-breed technologies, not tied to one brand, to deliver systems that are flexible, future-ready, and easy to use. The result is reduced downtime, improved efficiency, and exceptional user experiences every time.

- ✓ Built for real-world conditions, including high-noise and challenging acoustic environments
- ✓ Turnkey delivery supported by in-house technical teams
- ✓ Unified design of cabling, power, control, networking, audio and interfaces for reliability and lower costs
- ✓ Vendor-agnostic product selection based on budget, performance and site needs
- ✓ Strong global OEM partnerships for advanced integration and support
- ✓ Expertise in digital signage, learning tech, PA/BGM (Background music), projection, conferencing, control and LED systems
- ✓ Included documentation, commissioning, training and lifecycle support
- ✓ In-house service team delivering fast response, proactive checks and optimisation

We create environments that communicate clearly, engage audiences and operate flawlessly. Whether for a single room or a multi-building campus, we design systems that are intuitive to use, technically robust and built with the future in mind.

CCTV & SURVEILLANCE

See More. Respond Faster.

CCTV is your site's real-time intelligence. AVE delivers IP surveillance with a robust VMS, remote access, and smart analytics, integrated with access control, alarms, and intercoms to enhance safety and provide comprehensive awareness.

We design, install, and support systems across commercial, industrial, and rural sites, featuring fixed to pan-tilt-zoom cameras with infrared capabilities and high-capacity storage. View and retrieve footage fast on desktop or mobile, and scale across single or multiple locations.

Service Offering Snapshot

- **System Design & Integration:** Fit-for-purpose camera networks, Smart Analytics and storage.
- **IP Cameras & Networks**: Enterprise-grade performance and reliability.
- **Custom Solar CCTV Solutions**: No power, no worries!
- **VMS (Video Management System) & Analytics:** Smart search, alerts, and incident workflows.
- **Wireless CCTV Solutions:** AVE Solar Surveillance for remote sites.
- **Remote Monitoring & Health Checks**: Visibility and Uptime Assurance.
- **Access, Intercom & Alarm Integration:** One pane of glass for response.
- **Maintenance & Support**: Proactive servicing and compliance reporting.

Vendor-agnostic by design, we integrate leading VMS and camera platforms to deliver reliable, scalable, future-ready surveillance that meets your risk profile and regulatory requirements.

- ✓ NSW State Government ICT Approved Supplier
- ✓ Master Security Licence: 408823166
- ✓ Electrical Contractor Licence: 151777C
- ✓ Certified technicians: Genetec-Milestone- NX Witness
- ✓ Proud Cisco Select Integrator Partner
- ✓ Core Platforms: Inner Range (Integriti, Inception), Aritech (Challenger 10, Discovery, Axon), Gallagher SMB, ICT Protégé WX
- ✓ Intercom Vendors: Bticino, 2N, Aiphone, Akuvox
- ✓ Our Cabling System Vendor Accreditations: Panduit, AMP, R&M, AFL
- ✓ Enjoy Extended 25-Year Vendor-Specific Warranties where applicable
- ✓ Comprehensive Support Services Available

WHERE WE WORK Mining & remote assets • Education • Government & councils Commercial & retail • Transport & public spaces • Health & community

We partner with leading VMS and camera brands to provide reliable, scalable and future-ready surveillance—engineered to your risk profile and compliance requirements.

WHERE WE WORK Government & education • Mining & industrial • Commercial & mixed use
Health & community • Warehousing & logistics • Transport & ports • Data centres and critical infrastructure.

COMMUNICATIONS, DATA CENTRES AND CRITICAL INFRASTRUCTURE

Connected Sites. Reliable Performance.

AVE Technologies designs, delivers and supports critical communications infrastructure across commercial, industrial, data centre and mission-critical environments.

From structured cabling and fibre networks to wireless systems and secure connectivity, we deliver fully tested, documented and certified solutions built for reliability, performance and future growth.

Service Offering Snapshot

- **Structured Cabling:** Design, installation and certification of copper and fibre systems, racks, patch panels and labelling. CAT5e, CAT6, CAT6A and CAT7, fibre splicing, termination and OTDR testing.
- **Switching & Routing:** LAN and WAN design for industrial and corporate environments, with segregation for reliability and security.
- **Wireless Networks:** Licensed and unlicensed point-to-point, point-to-multipoint and mesh, with spectrum analysis and performance tuning.
- **Remote Access & Security:** VPN, firewalls and monitored connectivity for sites and users.
- **Monitoring & Support:** Network discovery, health monitoring, fault finding and documentation packs for handover.
- **Data Centre Infrastructure:** Design and installation of racks, cabinets, fibre and copper backbones, containment, patching, labelling, testing and documentation.

What sets AVE apart is our turnkey approach across the whole stack. We design, install, commission, and support structured cabling, switching, and wireless solutions, selecting the right platforms tailored to your budget, environment, and risk profile. We are an ACMA-structured cabling-endorsed provider, delivering services under the NSW Government ICT Services Scheme, and hold the necessary licences for complex environments. This reduces risk, ensures compliance, and keeps your network performing optimally day-to-day and during periods of growth.

- ✓ Electrical Contractor Licence 151777C
- ✓ Master Security Licence 408823166
- ✓ ACMA Structured Cabling Endorsed
- ✓ NSW Government ICT Services Scheme SCM0020 supplier

"We install, label and certify copper and fibre infrastructure, then provide test results and documentation so your network is organised, traceable and ready to scale".

ELECTRICAL SERVICES

Safe, Efficient Power and Infrastructure for Workplaces and Public Facilities

At AVE Technologies, our commercial and industrial electrical team delivers design, installation, and upgrades for offices, education, healthcare, retail, industrial and public facilities. We focus on achieving safe, efficient, and compliant outcomes across new builds, fit-outs, and refurbishments, integrating power, lighting, emergency lighting, data, building management systems (BMS) and communications.

We keep operations moving with planned maintenance and responsive support, including repairs, replacements and emergency breakdown service. Our qualified electricians work to AS/NZS wiring standards and complete each job safely, on time and within budget, with the flexibility to work before or after business hours when needed.

Service Offering Snapshot

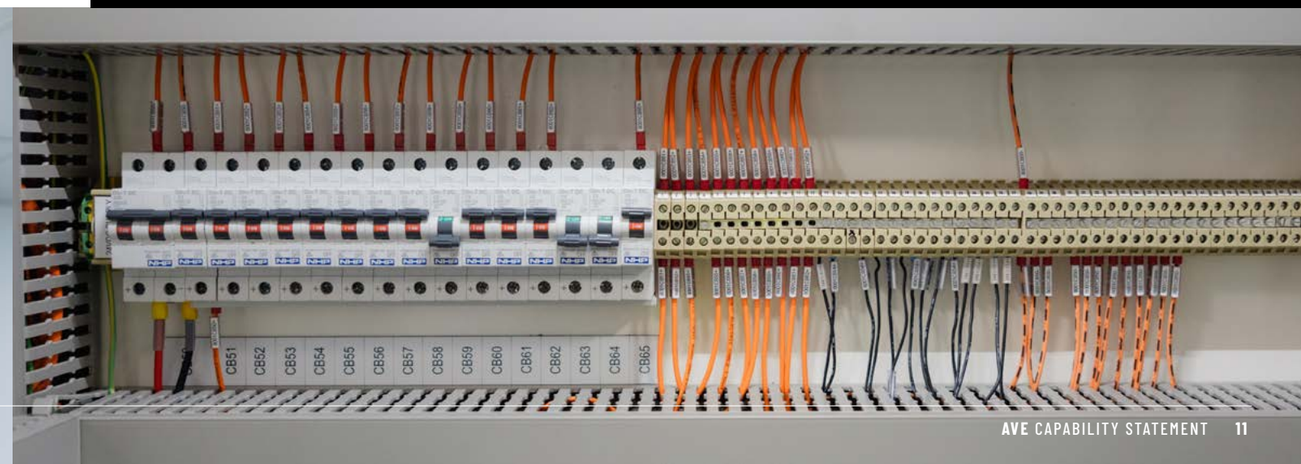
- **Power & Lighting:** Floodlighting and spotlights, internal and emergency lighting, lighting control and Clipsal C Bus design and installation.
- **Switchboards & Distribution:** Main and sub-switchboard manufacture, installation, and upgrades; UPS and generator changeover; surge and lightning protection.
- **Plant & Equipment:** Thermographic inspection and site auditing.
- **Cabling & Infrastructure:** Cable installation, test and tag, and remote solar power systems.
- **Integration Across Your Site:** Electrical works are delivered alongside data cabling, control systems, audio-visual, CCTV, intercoms, process control, and PA systems for a cohesive result.

AVE provides turnkey solutions from design and engineering to installation, commissioning, and ongoing support. We select products to suit your budget, environment, and risk. All works comply with Australian Standards, WHS requirements, and required permits. Your site's safety and uptime are our priority.

- ✓ Proven delivery across mining, utilities, water, ports, manufacturing and logistics
- ✓ Standards-aligned design, documentation and acceptance testing
- ✓ Functional safety and hazardous area capability
- ✓ Integration of power, control, communications and OT networks
- ✓ Maintainable designs with analytics to lift uptime and energy performance
- ✓ Training, handover and support to sustain results

WHERE WE WORK Schools • Government facilities • Retail & commercial premises
Transport • Hospitality • Warehousing

"We offer a single accountable partner from concept and drafting through procurement, installation, testing and commissioning to maintenance and asset support. We provide clear documentation and acceptance records to ensure you stay compliant and productive."



ENGINEERING

Reliable, Compliant Design and Automation for Industrial and Mining Sites

At AVE Technologies, our Electrical Engineering team delivers design, drafting and auditing, along with process control and automation for industrial and mining operations. We create practical, standards-aligned turnkey solutions that fit each site, environment and risk profile, bringing together power, control, automation and communications to support safe and efficient production.

We manage the full lifecycle, from concept and feasibility through specification, approvals and construction support, to as-built documentation, commissioning and optimisation. With disciplined engineering, clear documentation and ongoing lifecycle support, we help clients achieve reliable performance, assured compliance and smooth operations.

Service Offering Snapshot

- **Design & Drafting:** Schematics, single line diagrams, general arrangements, loop and termination drawings, network drawings, equipment lists and cable schedules.
- **Engineering Studies & Reports:** Arc flash, protection coordination, earthing and lightning protection, cable calculations, harmonics and power quality, functional descriptions and commissioning reports.
- **Process Control & Automation:** PLC and SCADA design and upgrades, telemetry and RTUs, instrumentation, alarming and historian, with integration to plant networks.
- **Commissioning & Optimisation:** Commissioning management, instrument calibration, secondary injection testing, documentation and MDR compilation.
- **Compliance & Auditing:** Australian Standards compliance reviews, low voltage audits, quality system establishment and root cause analysis.
- **Earthing:** Ground earth testing and compliance, earth grid installation and crimping.
- **BMS & OT Integration:** Multi-solution integration for all electrotechnology applications.
- **Plant & Equipment:** Installation and relocation of plant, variable speed drives (VSD) and PLC programming.

AVE delivers a turnkey service from design and engineering through installation, commissioning, optimisation and lifecycle support. We select products that suit your budget, environment and risk. Our engineering skills have evolved over 30 years of doing the job and now sit alongside our installation teams, continuously pushing the limits of practicality and delivering top-tier outcomes for our clients.

- ✓ Proven delivery across mining, utilities, water, ports, manufacturing and logistics
- ✓ Standards-aligned design, documentation and factory/site acceptance testing
- ✓ Functional safety and hazardous area capability
- ✓ Integration of power, control, communications and OT networks
- ✓ Maintainable designs with analytics to lift uptime and energy performance
- ✓ Training, handover and support to sustain results

AVE Technologies works in partnership with leading engineering and technology providers, including Senquip, ELPRO, Ignition, Schneider Electric, Rockwell Automation, and Inductive Automation. Our team is vendor-trained across PLC, SCADA, VSD, and networking platforms, and holds cabling accreditations from Panduit, AMP, R&M, and AFL, allowing us to deliver fully integrated, high-performance solutions with extended warranties where eligible.

WHERE WE WORK Industrial & mining sites • Processing plants • Utilities, water & wastewater • Ports & bulk handling • Manufacturing & logistics

Every project is delivered with a structured approach to design control and documentation. This ensures seamless integration, compliance and dependable performance across the full lifecycle.

HEAVY INDUSTRIAL SOLUTIONS

Power, Control and Communications that Keep Production Moving

At AVE Technologies, we deliver comprehensive electrotechnology solutions for heavy industry sites. We design, build, and maintain power, control, and communications systems that keep production safe, reliable, and efficient in large and complex environments.

Every solution is tailored to site conditions and operational risks, then integrated across plant systems for clear visibility and dependable performance. Whether you are upgrading brownfield assets or delivering new works, we provide end-to-end support from concept and design through installation, commissioning and ongoing maintenance.

At our core are quality, trust and performance. We don't just deliver projects; we build long-term partnerships founded on integrity and results.

Service Offering Snapshot

- **Power & Distribution:** LV and MV distribution, main and sub switchboards, MCCs, motor protection, soft starters and VSDs, earthing, lightning protection, UPS and generator changeover.
- **Process Control & Automation:** PLC and SCADA design and upgrades, telemetry and RTUs, instrumentation, historian and alarming, functional safety on request.
- **Operational Technology Networks:** Industrial Ethernet, fibre optics and wireless links, segmentation and secure remote access, time synchronisation and monitoring.
- **Field Installations & Commissioning:** Cable containment, field wiring, glanding and terminations, control panels and local stations, FAT, SAT, ITPs and ITRs.
- **Hazardous Areas:** Design, installation and inspection for explosive atmospheres, equipment selection, dossiers and periodic compliance reporting.
- **Site Communications & Systems:** Public address and evacuation, intercoms and help points, IP CCTV for operational visibility, access and gate control for process flow.
- **Maintenance & Support:** Preventative servicing, shutdown and turnaround support, condition monitoring, thermal imaging, spares strategies and lifecycle planning.

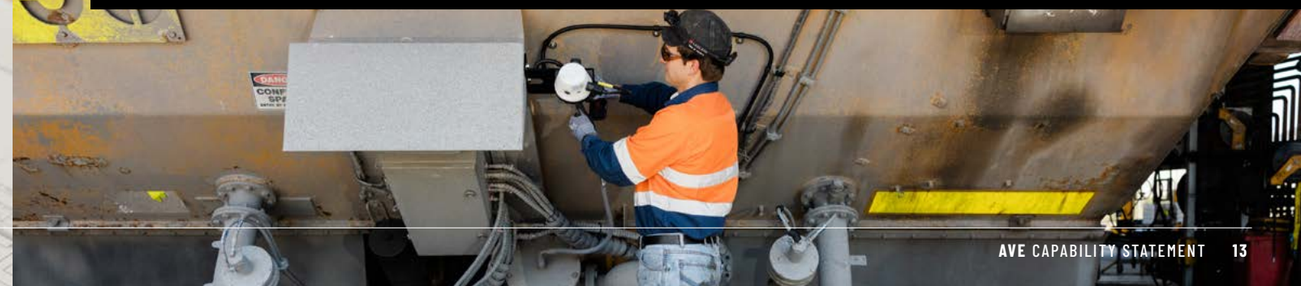
What sets AVE apart is our turnkey approach. We own design, engineering, installation, commissioning and ongoing support, integrating best-of-breed technologies without brand lock-in. The result is assured compliance, reduced risk, and dependable performance throughout the asset's life.

- ✓ NSW State Government ICT Approved Supplier
- ✓ Electrical Contractor Licence: 151777C
- ✓ Proud Cisco Select Integrator Partner
- ✓ Vendor ecosystem for PLC, SCADA, networking and drives platforms
- ✓ Cabling accreditations with Panduit, AMP, R and M, AFL
- ✓ Extended vendor warranties are available where eligible
- ✓ Comprehensive support services are available

Every project is delivered to AS/NZS 3000, AS/NZS 61439 and AS/NZS 60079 with design, drawings, MDRs, ITPs and ITRs managed through our project management platforms.

WHERE WE WORK Mining & minerals • Energy & utilities • Water & wastewater • Ports & bulk handling • Manufacturing • Logistics & distribution • Remote compounds & temporary works

Our structured approach ensures seamless integration, compliance and reliable performance across the full lifecycle.



WHERE WE WORK Mining & mobile plant • Water & utilities • Manufacturing & logistics Government & councils Education & campuses • Health & community infrastructure • Data centres and critical infrastructure

OPERATIONAL TECHNOLOGY

Connecting Assets. Controlling Processes. Improving Uptime.

Operational Technology is where AVE brings engineering, networking and cybersecurity together to run your critical operations. With deep experience across plants, data centres, and remote sites, we design, integrate, and secure OT systems that are reliable, scalable, and easy to support.

Service Offering Snapshot

- **System Design & Integration:** ICS, SCADA, PLC, telemetry and HMI engineered to your process.
- **Industrial Networking & Wireless Data:** Fibre, copper, RF, Wi Fi, microwave and licensed point-to-point wireless networks.
- **Edge Compute & Hosting:** Microsoft and Linux, physical and virtual hosts, redundancy, backups and restoration.
- **Mobile Equipment Technology:** GPS and high precision machine guidance, onboard telemetry, fleet and asset visibility.
- **GPS and Positioning Systems:** GNSS and RTK, base stations, corrections, tracking and geofencing.
- **Remote Control & Monitoring:** Secure remote access, alarm notifications and operational dashboards.
- **OT Cybersecurity:** Network segmentation, industrial firewalls, secure remote connectivity and security assessments.
- **Maintenance & Support:** Monitoring, lifecycle documentation and SLA based response.

What sets AVE apart is our turnkey approach. We own design, engineering, installation, commissioning, and ongoing support, selecting the best technology for your environment without brand lock-in. The result is assured compliance, reduced risk, and dependable performance throughout the system's life.

- ✓ NSW State Government ICT Approved Supplier
- ✓ Proud Cisco Select Integrator Partner
- ✓ Cambium Networks Connected Partner
- ✓ Cabling accreditations with Panduit, AMP, R and M, and AFL, with extended 25-year warranties where eligible
- ✓ Proven delivery across industrial, mining, utilities and government
- ✓ Architectures designed for high availability, redundancy and secure remote operations
- ✓ Complete in-house experience across all layers of various technology stacks (physical cabling, complex networking hardware, application hosting and user interfaces)

We deliver integrated OT solutions that boost uptime, enhance security, and provide real-time visibility—simplifying control, reducing risk, and future-proofing assets.

PUBLIC ADDRESS SYSTEMS

Clear Communication. Confident Response.

Public address keeps your community informed and safe. We design, integrate and support PA systems for schools, education facilities, aged care, gyms and Covered Outdoor Learning Areas (COLA) with zone paging, background music and evacuation support, delivering intelligible audio when it matters most.

Service Offering Snapshot

- **System Design & Integration:** Fit-for-purpose architectures using high-quality speakers, amplifiers, microphones, and control interfaces. Acoustic modelling ensures clarity across varied environments.
- **Zone Paging & Background Music:** Targeted announcements and venue-wide music distribution with programmable zoning and volume control.
- **School Bells & Timetables:** Automated scheduling of period bells, lockdown tones and evacuation alerts with override capability.
- **Emergency & Evacuation Feature:** Provides battery-backed operation to maintain emergency alerting and evacuation announcements as part of the PA system.
- **Indoor, Outdoor & COLA Coverage:** Acoustic design for ovals, halls, corridors and covered areas.
- **Networked & IP PA**: Works over your network or dedicated cabling, with seamless integration for phone systems and security.
- **Wireless Microphones:** Compliant systems for assemblies, sports, and events , with handheld, lapel, and headset options.
- **Maintenance & Support:** Preventative servicing and rapid response options, remote diagnostics and rapid-response onsite support.

What sets AVE apart is our turnkey approach. We handle design, engineering, installation, commissioning and ongoing support, selecting the right products for your budget and application.

- ✓ Proven delivery across schools, aged care, gyms and outdoor learning spaces
- ✓ Simple touch control for staff and carers, with role-based access where needed
- ✓ Industrial-grade options for high-noise and weather-exposed areas
- ✓ Integration with bells, timetables, lockdown and evacuation workflows
- ✓ Ongoing maintenance and support to sustain intelligibility and uptime

Our solutions are designed for long-term reliability, ease of use, and compliance with Australian safety standards, ensuring your facility is prepared, connected, and confident in any situation.

WHERE WE WORK Schools & education facilities • Aged care & retirement living • Gyms & recreational spaces • COLA, corridors & outdoor areas • Halls, ovals, car parks & campus-wide public spaces

We design tailored audio systems for clarity and coverage, integrating with intercoms, access control, CCTV, and phones for a seamless experience and clear documentation for easy handover.

SECURITY

Protecting What Matters Most with Integrated, Compliant Systems.

At AVE Technologies, we design, develop and deliver custom electronic security and intrusion detection systems. Focused on innovation, reliability, and client outcomes, we protect what matters most, from commercial properties to high-security facilities.

Every system is tailored to the site's operational and environmental needs, combining advanced technology with robust engineering for complete protection. Whether you are upgrading or building new, we provide end-to-end support from consultation and system architecture through installation, testing and ongoing maintenance.

At our core are quality, trust and performance. We don't just build systems - we build long-term partnerships founded on integrity and results.

Service Offering Snapshot

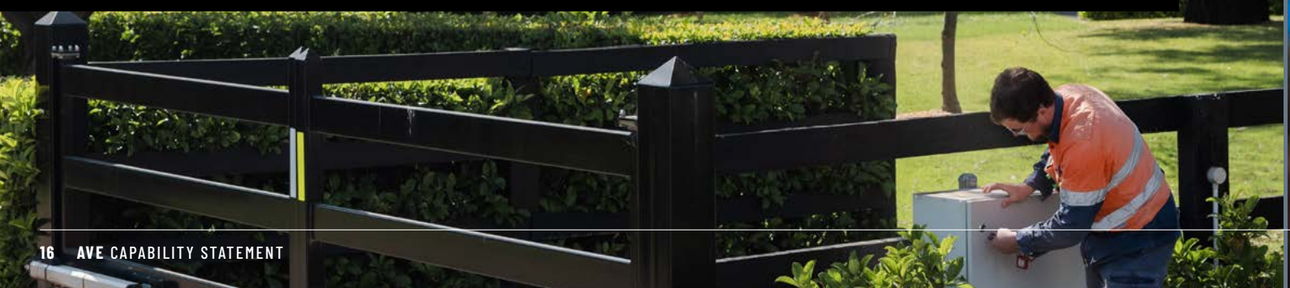
- **System Design & Integration**: End-to-end, standards-aligned security architectures.
- **Intruder Detection & Alarms**: Early Warning with Actionable Response Workflows.
- **Electronic Access Control (EACS):** Card and biometric authentication, permissions, and audits.
- **IP CCTV & Surveillance:** Networked visibility with VMS and analytics.
- **Intercom Systems:** Clear visitor/contractor/public communications.
- **Perimeter & Gates**: Boom gates, sliding/leaf gates, turnstiles, and vehicle barriers.
- **Maintenance & Support**: Preventative servicing and lifecycle reporting.

What sets AVE apart is our turnkey approach. We own design, engineering, installation, commissioning, and ongoing support, integrating best-of-breed technologies without brand lock-in. The result: assured compliance, reduced risk, and reliable performance over the system's life.

- ✓ NSW State Government ICT Approved Supplier
- ✓ Master Security Licence: 408823166
- ✓ Advanced Certified Technicians: Inner Range: Integriti – Aritech: Axon & Tecom Challenger.
- ✓ Certified CCTV Technicians- Genetec – Milestone – Axis – NX Witness
- ✓ Electrical Contractor Licence: 151777C
- ✓ Proud Cisco Select Integrator Partner
- ✓ Vendor Ecosystem (Security & VMS): Inner Range (Integriti, Inception), Aritech (Challenger 10, Discovery, Axon), Gallagher SMB, ICT Protégé WX, NX-Witness, Genetec, Milestone, Axis, Vivotek, Uniview, Dahua
- ✓ Our Cabling System Vendor Accreditations: Panduit, AMP, R&M, AFL
- ✓ Enjoy Extended 25-Year Vendor-Specific Warranties where eligible
- ✓ Comprehensive Support Services Available

WHERE WE WORK Public infrastructure • Government & utilities • Mining & industrial • Education • Commercial health & community • Transport & logistics • Residential high rise

Our structured approach ensures seamless integration, compliance, and reliable performance throughout the entire lifecycle.



SERVICE & MAINTENANCE

Keep Every System Running. Reduce Risk. Stay Operational.

AVE's Service & Maintenance division keeps your critical systems safe, reliable, and performing at their best. We minimise downtime, prevent failures, and maintain every asset across electrical, communications, AV, security, OT and process control. Clients gain direct access to AVE's multidisciplinary specialists, backed by fast-response capability, proactive maintenance programs, and complete lifecycle support.

Service Offering Snapshot

- **24-Hour Typical Response:** Standard service requests are addressed within 24 hours, with SLAs and optional 24/7 coverage for sites requiring guaranteed uptime and immediate access to technicians.
- **Multidiscipline Coverage Across All Technologies:** Electrical, communications, security, AV, OT, networking and control systems managed by one provider. No multiple contractors. No delays. One accountable team.
- **Proactive Maintenance Programs:** Structured servicing including compliance testing, thermal imaging, network testing, part replacement, cleaning, firmware updates and operational checks to prevent unexpected failure.
- **Rapid Reactive Fault Resolution:** When faults occur, technicians mobilise quickly, with support from AVE's engineers, electricians, OT and AV specialists, to diagnose and fix issues quickly—even in complex environments.
- **In-House Replacement Stock:** Commonly required components are held at both AVE office locations. If equipment can't be repaired, we replace it immediately, reducing downtime and supplier delays.
- **Comprehensive Reporting & Asset Records:** All work is documented with photos, results, compliance checks, full asset history inside our CRM. Records are available on demand for audits, insurance and regulatory requirements.
- **Tailored Programs for Industrial, Commercial & Education:** Commercial and education clients rely on rapid reactive support; industrial and mining environments benefit from structured preventive programs. Each plan is built around your operating conditions and risk profile.

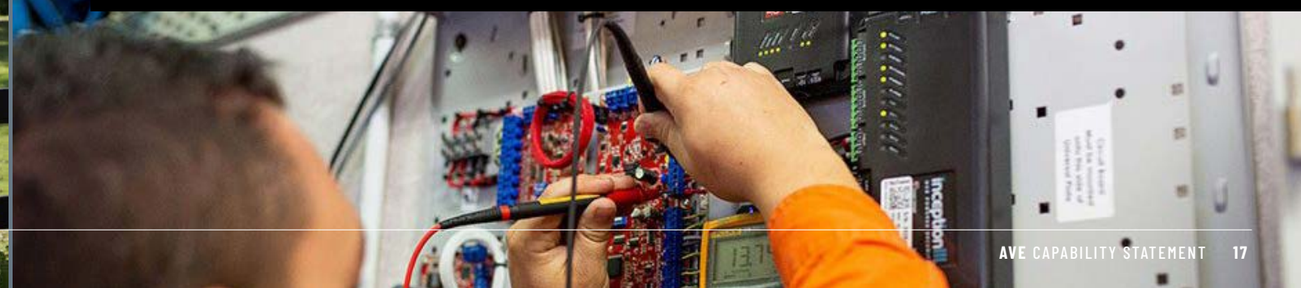
Our technicians are trained across all major electrotechnology disciplines, enabling fast, accurate fault resolution across electrical, communications, security, AV, OT, and automation systems without the delays associated with engaging multiple contractors.

- ✓ Early risk identification through proactive maintenance programs
- ✓ Preventive activities: scheduled testing, thermal imaging, network checks, component replacement, cleaning, firmware updates and system verification
- ✓ Rapid reactive response, typically within 24 hours
- ✓ Access to AVE's broader specialist team for complex faults
- ✓ Immediate equipment replacement using in-house stock to avoid supplier delays
- ✓ All service activity logged in CRM with photos, notes, test results and compliance records
- ✓ Clear documentation available for audits, insurance and regulatory requirements
- ✓ Tailored support for schools, commercial sites and industrial facilities
- ✓ Reliable operations are maintained through fast response, proactive care and deep technical expertise

Every project is delivered toAS/NZS 3000, AS/NZS 61439 and AS/NZS 60079 with design, drawings, MDRs, ITPs and ITRs managed through our project management platforms.

WHERE WE WORK Mining & minerals • Energy & utilities • Water & wastewater • Ports & bulk handling Manufacturing • Logistics & distribution • Remote compounds & temporary works

AVE delivers an end-to-end approach to Service & Maintenance, combining rapid response capability with disciplined preventive care.



OUR VALUES

At AVE Technologies, our values serve as the foundation of who we are and how we operate. They guide every project, every partnership, and every interaction, shaping our culture and setting the standard for excellence in Australia's electrotechnology industry.

Teamwork

We work as one team, fostering strong relationships built on friendship, trust, and fairness. Collaboration is at the heart of everything we do.

Accountability

We take ownership of our work, acting with honesty and integrity. Every team member plays an important role in delivering successful outcomes.

Forward-Thinking

We stay curious, think ahead, and embrace innovation. By anticipating challenges and opportunities, we ensure long-term value for our clients and partners.

Quality

We strive for excellence in every detail, delivering safe, reliable, and high-quality outcomes that stand the test of time.

Curiosity

We encourage a culture of learning, leadership, and continuous improvement. By asking questions and seeking better ways, we drive progress and inspire growth.

We work as one team, take ownership, and strive for excellence. We think ahead, stay curious, and always aim to deliver high-quality outcomes.

OUR CULTURE

We back people to be their best. We collaborate, take ownership and pursue excellence. We think ahead, stay curious and deliver high-quality outcomes that stand the test of time.

"We love a challenge. We love giving people the opportunity to be the best in their field, and we believe the quality, versatility and reliability of technology are paramount to our customers' success."

— Chris Elkin, Founder & Chairman

LEADERSHIP TEAM

Leadership at AVE sets the standard. Guided by curiosity and accountability, our leaders back people to be their best and turn complex challenges into clear outcomes. With deep experience across engineering, operations, service, and finance, they connect strategy with delivery, so clients receive safe, reliable, and long-lasting results.

Chris Elkin
Founder & Chairman

Luke Elkin
Director

Mitch Elkin
Director

Todd Marshall
Chief Financial Officer

Adam Pratten
Operations Manager

Chris Nichols
Sales Solutions Specialist
Engineering

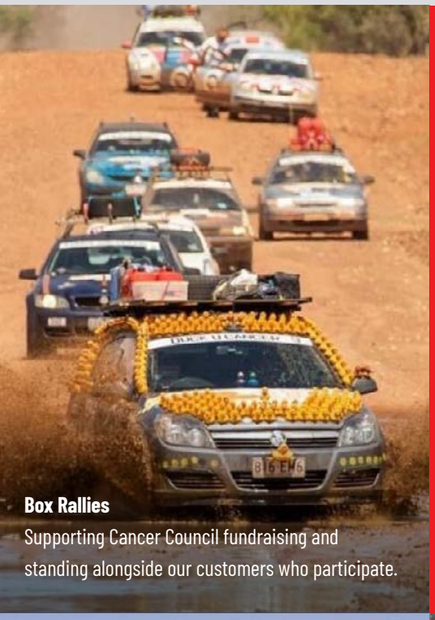
Matt Townsend
Business Development
Manager

Jessica Harter
People & Culture Manager

SUPPORTING CAUSES THAT MATTER

Every community initiative makes a difference, and AVE is proud to help amplify that impact. Through AVE Impact, we actively support programs and organisations that strengthen regional communities. Our focus is on causes that improve safety, education, youth development, and local sport—helping build healthier, stronger, and more resilient communities.

Westpac Rescue Helicopter Service
Contributing to life-saving missions and the safety of communities across Northern NSW.



Box Rallies
Supporting Cancer Council fundraising and standing alongside our customers who participate.

At AVE Technologies, community isn't just where we work. It's who we are

Hawks Nest SLSC
Backing beach safety, surf lifesaving education, and youth development for many years.

Newcastle Harness Racing Club
A community partnership spanning over two decades.

Upper Hunter Where There's a Will
Supporting wellbeing and mental health programs for young people in schools.

Multiple Sporting Clubs
Investing in grassroots sport and local community engagement.

Partner with AVE Technologies to power your next project with safe, scalable, and future-ready electrotechnology solutions.

The Three Red Squares: Where We Started, Not Where We End.

When AVE Technologies was founded, the three red squares in our logo stood for exactly what we did best.

Audio. Visual. Electrical.

Deliberately chosen, bold, simple, powerful, they reflected a company built on technical expertise and high quality outcomes across those three core disciplines.

But as any great business evolves, so too does its purpose. And we've never been content to stay inside the box.

Over time, those red squares became more than a symbol of what we did. They became a challenge, to think beyond them. To push boundaries. To break the mould of what a trade and technology company could be.

Today, AVE is far greater than its original shape.

We are engineers, designers, strategists, integrators, and consultants.

We build smart infrastructure, intelligent systems, and high performance environments that reach well beyond audio, visual, or electrical. We partner with some of the world's most respected technology leaders. These partnerships are built not just on product, but on mutual respect, shared standards, and a relentless drive for better.

The red squares remain in our logo as a reminder of where we came from. But everything around them? That's where we live now.

It's in the adaptability of our team.

It's in the way we challenge conventions.

It's in the solutions we deliver that others won't touch.

So, what do the red squares stand for today?

They still represent Audio, Visual, Electrical. But they also stand for Ambition, Vision, Evolution. And every day, we work outside them, because at AVE Technologies, what we do can't be confined to a box

AVE TECHNOLOGIES

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