



**AUSTRALIAN  
TECHNOLOGIES**  
COMPETITION

## Australian Technologies Competition 2020 Semi Finalists

*(Listed in alphabetical order by company)*

Company	Description	State	Award Category
<b>2CENSOR</b>	Remote monitoring pipe wear sensor used in resource industry processing plants	<b>QLD</b>	<b>Mining Technologies Energy Resources</b>
<b>4ize</b>	The 4eyes system has everything for people without prior training to test for, assemble and dispense affordable prescription spectacles to the one billion people in developing and remote communities worldwide, who are visually impaired without them	<b>NSW</b>	<b>Global Social Impact</b>
<b>AirSeed Technologies</b>	AirSeed Technologies is an environmental restoration company created to increase the throughput of global reforestation/re-vegetation	<b>NSW</b>	<b>Food &amp; Agribusiness Global Social Impact</b>
<b>Anatomics</b>	Anatomics has pioneered SkullPro - a slim and contoured alternative to provide an aesthetic cover for skull deformity	<b>VIC</b>	<b>Medtech &amp; Pharma</b>
<b>Attentis</b>	Advanced sensors and intelligence networks, powering the IoT through connectivity and real-time information	<b>VIC</b>	<b>Disaster &amp; Emergency Smart Cities</b>
<b>Australian Innovative Systems</b>	Inline chlorine generation via electrolysis delivers a simpler, safer and smarter water disinfection method for fresh, salt and/or seawater swimming pools while simultaneously saving millions of litres of pool water from being wasted	<b>QLD</b>	<b>Advanced Manufacturing</b>
<b>BindiMaps</b>	Bindimaps assists people with vision impairment independently navigate large complex indoor spaces	<b>NSW</b>	<b>Global Social Impact Smart Cities</b>
<b>Black Sky Aerospace</b>	Solid Rocket Motors (SRM) powering rockets, space launch vehicles and missile technology	<b>QLD</b>	<b>Space</b>



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<b>Castlepoint Systems</b>	Castlepoint is a regtech solution that reads, registers, classifies and manages high-risk and high-value information from all systems in a network	<b>ACT</b>	<b>Cyber Security</b>
<b>ChezLeon</b>	Passive massage wear designed to help those suffering lymphedema or edema	<b>NSW</b>	<b>Medtech &amp; Pharma</b>
<b>Contactile</b>	Our bio-inspired soft tactile sensor array gives robots a human sense of touch so that they can handle objects of varying size, shape, weight and surface material just as people do	<b>NSW</b>	<b>Advanced Manufacturing</b>
<b>Electrogenics Laboratories</b>	Wireless radiation dosimeter/sensor technology developed to precisely measure radiation dose skin depths and actual dose rates in real time	<b>NSW</b>	<b>Advanced Manufacturing Medtech &amp; Pharma</b>
<b>Farmbot Australia</b>	Farmbot provides cost effective remote monitoring solutions for the agriculture industry that improve farm productivity and profitability	<b>NSW</b>	<b>Food &amp; Agribusiness</b>
<b>Fleet Space Technologies</b>	Space-based global Industrial IoT network connectivity	<b>SA</b>	<b>Energy Resources Space</b>
<b>FloodMapp</b>	Aimed at improving safety and preventing damage; FloodMapp is a world-first flood modelling solution, purpose built for flood forecasting, early warning and emergency management	<b>QLD</b>	<b>Disaster &amp; Emergency</b>
<b>Gecko Tyre</b>	Gecko Traxx is a portable and affordable manual wheelchair accessory that enables off-road access, such as on the beach, snow or other soft, off-road terrains	<b>VIC</b>	<b>Global Social Impact</b>
<b>HeadsafeIP</b>	Nurochek: the brain scanner that fits in a briefcase	<b>NSW</b>	<b>Medtech &amp; Pharma</b>
<b>Helitak Fire Fighting Equipment</b>	Helitak has designed, tested and progressed a next-generation aerial firefighting suppression system for Helicopters to use whilst fighting bushfires and wildfires	<b>QLD</b>	<b>Disaster &amp; Emergency</b>



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<b>High Earth Orbit Robotics</b>	HEO Robotics helps satellite operators manage their satellites by collecting visual data from cameras mounted on other satellites and then identifying faults	<b>NSW</b>	<b>Space</b>
<b>HYDI</b>	HYDI produces hydrogen on demand for controlled delivery to internal combustion engines, primarily large diesel engines, to increase power and efficiency while reducing fuel consumption and carbon emissions.	<b>SA</b>	<b>Mining Technologies</b>
<b>Hydra Light International</b>	A water activated environmentally friendly fuel cell (the "HydraCell") for use in small hand held devices such as torches and lanterns and for charging mobile phone and other devices	<b>VIC</b>	<b>Energy Resources New Energy</b>
<b>Intov8</b>	Intov8 build, support and maintain Enterprise Data Warehouse applications to the mining sector	<b>QLD</b>	<b>Mining Technologies</b>
<b>Inventia Life Science</b>	3D cell biology capable of printing human cells for rapid testing of new therapies, and has the potential to revolutionise tissue regeneration	<b>NSW</b>	<b>Medtech &amp; Pharma</b>
<b>LexX Technologies</b>	The LexX platform is an intelligent assistant for maintenance technicians, enabling clients to achieve optimal availability and efficiency from their critical business assets	<b>NSW</b>	<b>Advanced Manufacturing</b>
<b>Liftango</b>	Liftango powers some of the most successful on-demand shared transport systems across the world	<b>NSW</b>	<b>Circular Economy</b>
<b>Iocii Holdings</b>	Accurate, secure and user-friendly digital identity service to mitigate the risk of identity fraud and breach of personal data	<b>NSW</b>	<b>Circular Economy Cyber Security</b>
<b>Machine Dreams</b>	Machine Dreams uses synthetic imagery to create object detection machine learning models for spotting defects in infrastructure assets	<b>VIC</b>	<b>Energy Resources Smart Cities</b>
<b>MPT AgTech</b>	A smart Seeding Machine, with self-sensing, and real time adjustments based on soil variability	<b>NSW</b>	<b>Food &amp; Agribusiness</b>



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<b>Navbit</b>	Disposable surgical alignment technology for use in hip replacement, suitable for a global market	<b>NSW</b>	<b>Medtech &amp; Pharma</b>
<b>Navi Medical Technologies</b>	Navi Medical Technologies is developing a medical device, the Neonav, that aids clinicians in safely placing central line catheters in critically ill newborn babies	<b>VIC</b>	<b>Medtech &amp; Pharma</b>
<b>NextOre</b>	NextOre's Magnetic Resonance (MR) technology delivers highly accurate, real-time measurements of metal concentrations in broken rock at full-scale mining rates. MR Analysers allow waste rock to be identified and removed during mining in order to more efficiently produce essential metals, like copper and iron	<b>NSW</b>	<b>Mining Technologies</b>
<b>Noggin</b>	Cloud-based safety and security technology providing an all-hazards approach to safety and security management	<b>NSW</b>	<b>Disaster &amp; Emergency</b>
<b>OLEOLOGY</b>	Advanced solutions to enable recycling and decontaminating water quicker, simpler, and more cost-effective with MyCelx technology to remove organics, oils, hydrocarbons, mercury and PFAS to below detectable levels	<b>WA</b>	<b>Circular Economy Global Social Impact</b>
<b>Prophecy International</b>	Snare is a scalable platform of cyber solutions including centralized log management, security analytics and SIEM designed to enable customers to detect and mitigate cyber threats and maintain regulatory compliance	<b>SA</b>	<b>Cyber Security</b>
<b>ProvenDB</b>	ProvenDB offers secure database solutions that integrate with Blockchain technology to guarantee the origin, ownership, versioning, integrity and security of data	<b>VIC</b>	<b>Cyber Security</b>
<b>Space Industries</b>	Mining the moon to produce water to sustain life and Helium-3 for earth applications in the medical, science and national security industries	<b>WA</b>	<b>Space</b>
<b>SpeedX</b>	PlexZyme® and PlexPrime® technology combine to form PlexPCR®, the engine that drives a portfolio of tests developed to detect large numbers of human infectious diseases, genetic markers connected to antibiotic resistance, or genetic variants of cancer biopsies	<b>NSW</b>	<b>Medtech &amp; Pharma</b>



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<b>SwitchDin</b>	SwitchDin gives utilities the tools to aggregate and orchestrate distributed energy resources (DER) like small-scale solar and batteries for demand response, ancillary services, and energy market participation	<b>NSW</b>	<b>New Energy</b>
<b>Swoop Aero</b>	Swoop Aero has developed a safe, reliable and cost effective medical drone logistics service, which transforms the way the world moves essential health supplies and allows everyone, everywhere to access basic healthcare	<b>VIC</b>	<b>Global Social Impact</b>
<b>Vanguard Wireless</b>	Advanced emergency medical alert and evacuation systems for construction, industrial, health care and educational businesses	<b>NSW</b>	<b>Energy Resources Disaster &amp; Emergency</b>
<b>Village Energy</b>	Village Energy uses artificial intelligence to help communities and utilities thrive by making energy cheaper, cleaner and more reliable	<b>WA</b>	<b>New Energy</b>
<b>Ybern</b>	We provide a 100% Australian owned ticketless parking solution that provides a 98+% camera read accuracy and a seamless and contactless way to use gated, and non-gated Car Parks, that provides easy accessibility on a desktop, Laptop, Tablet, iPad, iPhone, and Android phone anywhere, anytime	<b>NSW</b>	<b>Smart Cities</b>
<b>Ziva Connect</b>	Tide is True-Zero-Trust cybersecurity technology that eliminates exposure risks from mass personal data breaches, ransomware attacks, punitive privacy legislation and restores trust with customers.	<b>NSW</b>	<b>Cyber Security</b>