

R&D Specialists in Computer Vision

THE CITY + SOLUTION

Creating Integrated Smart Cities

OUR STORY

At Art of Logic, we are committed to the continual development of cutting-edge artificial intelligence and machine learning technology. Proudly Australian owned and operated, we have a history of working with governments from across the globe to deliver solutions to their real-world problems.

As a team, we are committed to providing cutting-edge technology that is dynamic, open sourced, and reliable. We are established with the mindset of generating tangible outcomes from AI, that meet our client's needs.

To support our world leading software, we have co-developed military grade AI hardware with our global partners. This means we are always providing our clients with high grade equipment to support our software solutions.



OUR MISSION

To be a trusted partner, supplying solutions that meet the needs of your business and community.

OUR VALUES

Our values are representative of the way in which we wish to work with our clients. They are what we place value in and demonstrate that we are more than a technology company.



HONESTY

We will always provide honest advice, recognising that we exist to serve the best interests of our clients.



INNOVATION

We are committed to continual innovation and providing a service or product that is unlike others in the market.



PEOPLE

We know our people and clients are what make us special. People drive innovation, solving the problems of tomorrow.



ENVIRONMENT

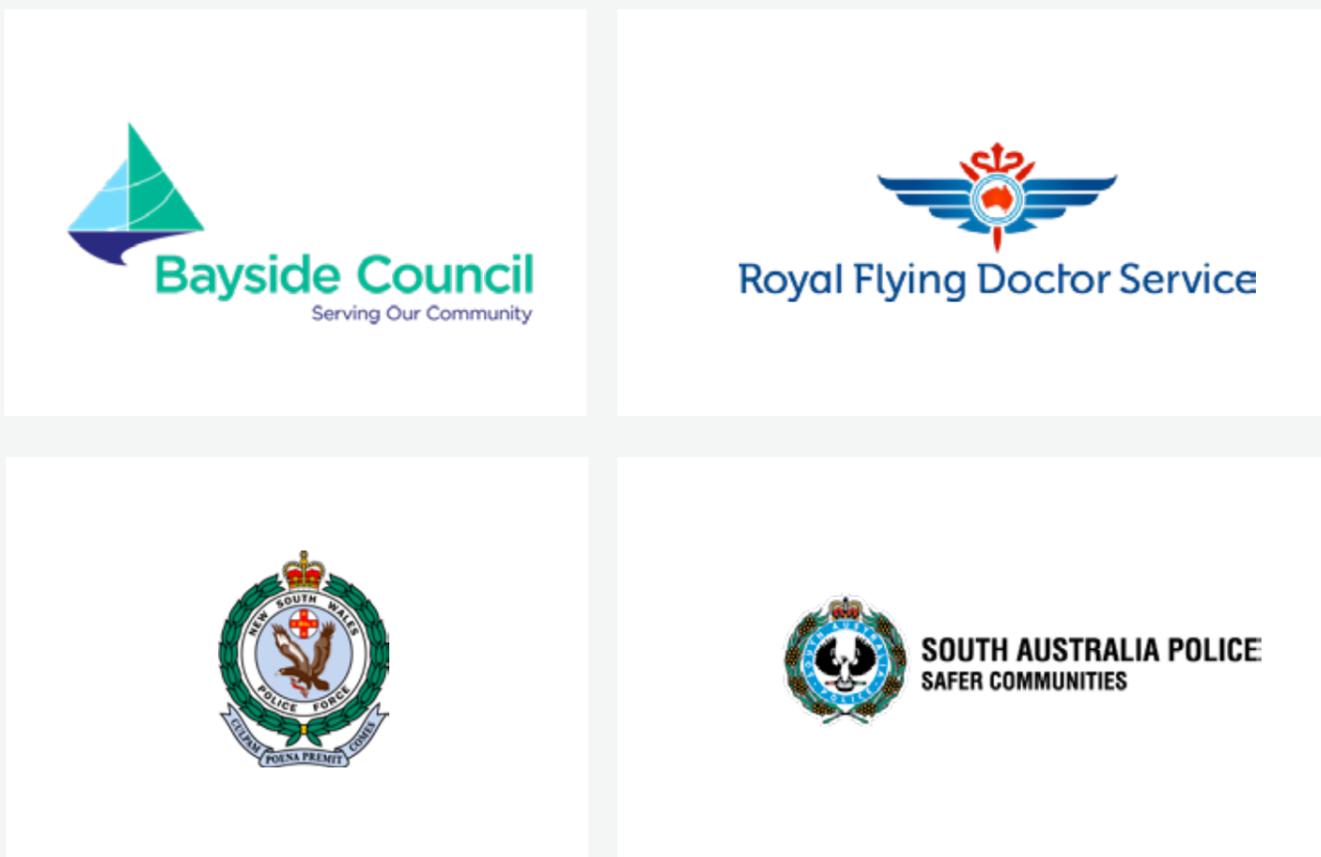
We want to change the world. This means appreciating the natural and social environments in which we operate.



WHO WE PARTNER WITH



CUSTOMER SUCCESS STORIES



“ We have seen a 75-80% drop in repeat offenders parking illegally or undertaking acts of dangerous driving. Our community has told us that they have seen up to a 90% decrease in hooning and illegal driving. ”



CITY+ DELIVERS



INCREASE COMMUNITY SAFETY

Monitor for anti-social behaviour such as illegal parking, vandalism and loitering through real time alerts.

STREAMLINE SERVICES

Improving Council services and creating efficiencies in Council operations to minimise downtime and cost.

CLEAN ENERGY SOLUTION

The City+ Solution can operate on 100% renewable energy sources through our hybrid solar & wind platform, meaning it can be deployed to the most remote locations.

SMART PLANNING

Technology and data inform evidence-based planning and design to enhance the liveability of your city.

CONTINUED INNOVATION

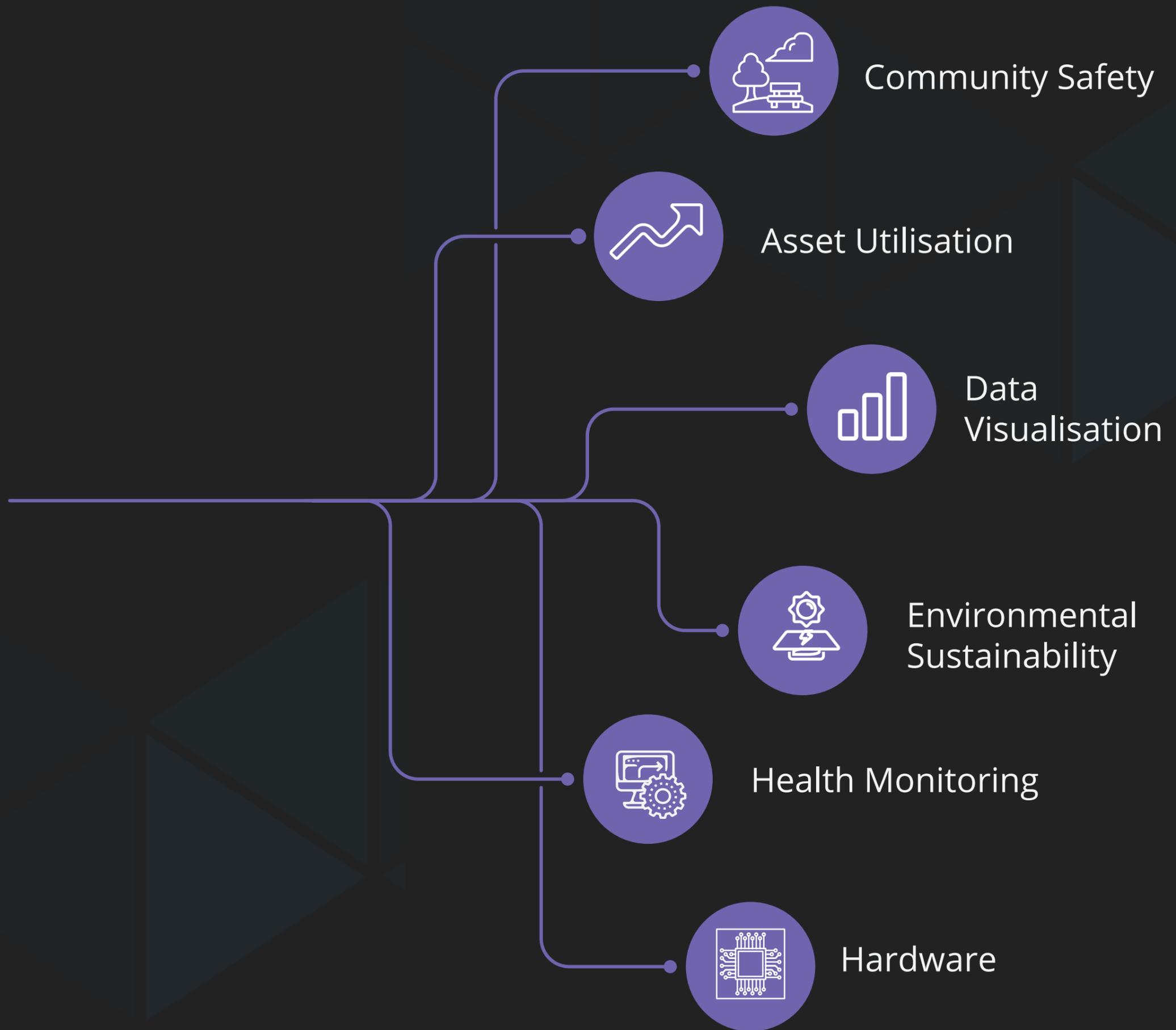
Unlock new insights into your community through better understanding your environment.

EDGE COMPUTING

Deploy the City+ solution in the harshest of conditions, knowing it is supported by defence grade hardware.



CITY+ SOLUTION



THECITY+SOLUTION



COMMUNITY SAFETY



AUTOMATED PARKING COMPLIANCE

Combining machine learning with computer vision, our advanced Fixed LPR technology allows Councils to completely automate the process of parking compliance. Regardless of day or time, our automated solution can ensure the demand on your parking is managed.



ILLEGAL DUMPING

Ensure that illegal dumping is eliminated in your community. Monitor for changes to your environment, track those who have illegally dumped, and be notified in real time that an event has been recorded.

Our portable wind/ solar technology enables Council's to be dynamic in the fight against illegal dumping. The ability to set up monitoring stations in remote areas that otherwise would go unprotected is a significant step forward in keeping our cities clean and safe.



VANDALISM

Through the application of security cameras, monitor for anti-social behaviour such as graffiti and vandalism. Be alerted in real time through our workflow engine, and ensure you have the information you need to deter future instances.



BEACH & POOL SAFETY

Ensure your community and visitors are kept water safe through our advanced machine learning model. Deployable to indoor and outdoor pools as well as beaches, our technology provides another set of eyes on your water to watch for distressed swimmers or watercraft (i.e., jet skis and boats) entering restricted zones.

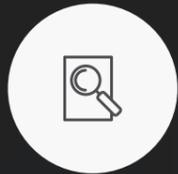


BODY WORN CAMERAS

Using sophisticated AI software and hardware technology, our solution can be deployed to keep your officers safe while in the field. Enable distress signalling and object recognition on your officers to ensure they can undertake their duties knowing they are always safe.

THECITY+SOLUTION

ASSET UTILISATION



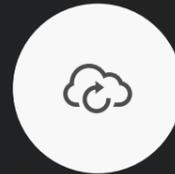
DIGITAL TWIN

Create a digital twin or use our data points in your current digital twin to understand real-life behaviours of your community and better plan for tomorrow. While modelling can provide some insight, nothing compares to having real-world data inputs in your virtual city to better understand how your city operates.



USAGE INSIGHTS

Our sophisticated AI and recognition libraries can transform physical behaviors into digital data, helping you make better decisions about asset supply, demand, and maintenance. Vehicle recognition can provide insights into parking supply and demand, including average park time, location comparison data, and predictive usage based on time, season, and weather.



ASSET MAINTENANCE AND RENEWAL

Asset maintenance and renewal is an ever-growing area of concern for local government. Through the collection of usage data, combined with seasonality, weather and other data points, we can provide Council's a detailed understanding of asset usage, and therefore the rate of maintenance and renewal, financial impacts, and community expectations.



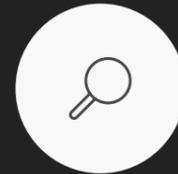
ECONOMIC DEVELOPMENT

Using utilisation data, we can work with you to expose this data to your community, businesses owners and prospective businesses. Create a point of difference, allowing businesses to make informed decisions about opportunities for economic growth in your LGA. Make your LGA stand out and give confidence to businesses that your area is the right choice to create jobs.



AI INSIGHTS

Our artificial intelligence model allows us to work with your asset team to determine the right balance of cleaning, maintenance or inspections based on usage. Using several data points we can modify inputs to show their impact on maintenance budgets, capital projects/ renewals and the life of an asset, allowing you to make informed decisions about your infrastructure spend over time.

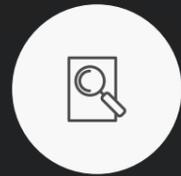


FACILITY MONITORING

Just like a retail setting, Councils operate customer service centres and libraries that are high usage services within the community. Through the deployment of City+ you can understand wait times for customer service areas. Heat and path mapping allow you to better understand the mobility around your libraries, as well as which areas are most in demand.

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DATA VISUALISATION



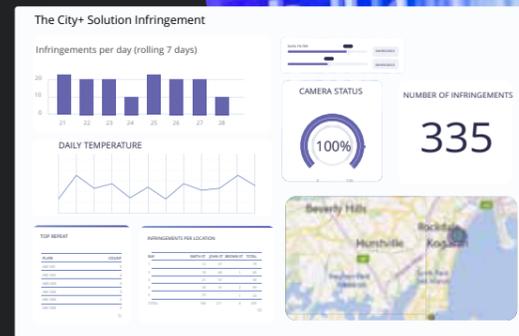
DEEPER INSIGHTS

Understand your business and community like you never have before. Through the use of business intelligence reporting, you can interact with your data to enjoy insights previously only possible through significant amount of data manipulation and IT support.



USING AI & MACHINE LEARNING

Our sophisticated AI and recognition libraries can transform physical behaviors into digital data, helping you make better decisions about asset supply, demand, and maintenance. Vehicle recognition can provide insights into parking supply and demand, including average park time, location comparison data, and predictive usage based on time, season, and weather.



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ENVIRONMENTAL SUSTAINABILITY



POWER GENERATION

Harnessing both solar and wind, our clean energy solution allows for technology to be deployed in the most remote of areas. Delivering a sustainable solution for your community means your Council can deploy cutting edge AI technology, running on 100% renewables.

Integrated into everything we do, our hybrid energy generation technology can power LED lighting, amenity blocks and playground equipment. We can even deploy the technology to provide energy for the roll out of EV charging stations, while also monitoring your carparks.



MICRO WEATHER STATIONS

The need to be resilient is ever growing. This means, creating and providing insights into all facets of a city or community. Our micro weather station technology fits neatly into our environmental package. Track local weather conditions, feeding data back into core functions such as park maintenance and asset.



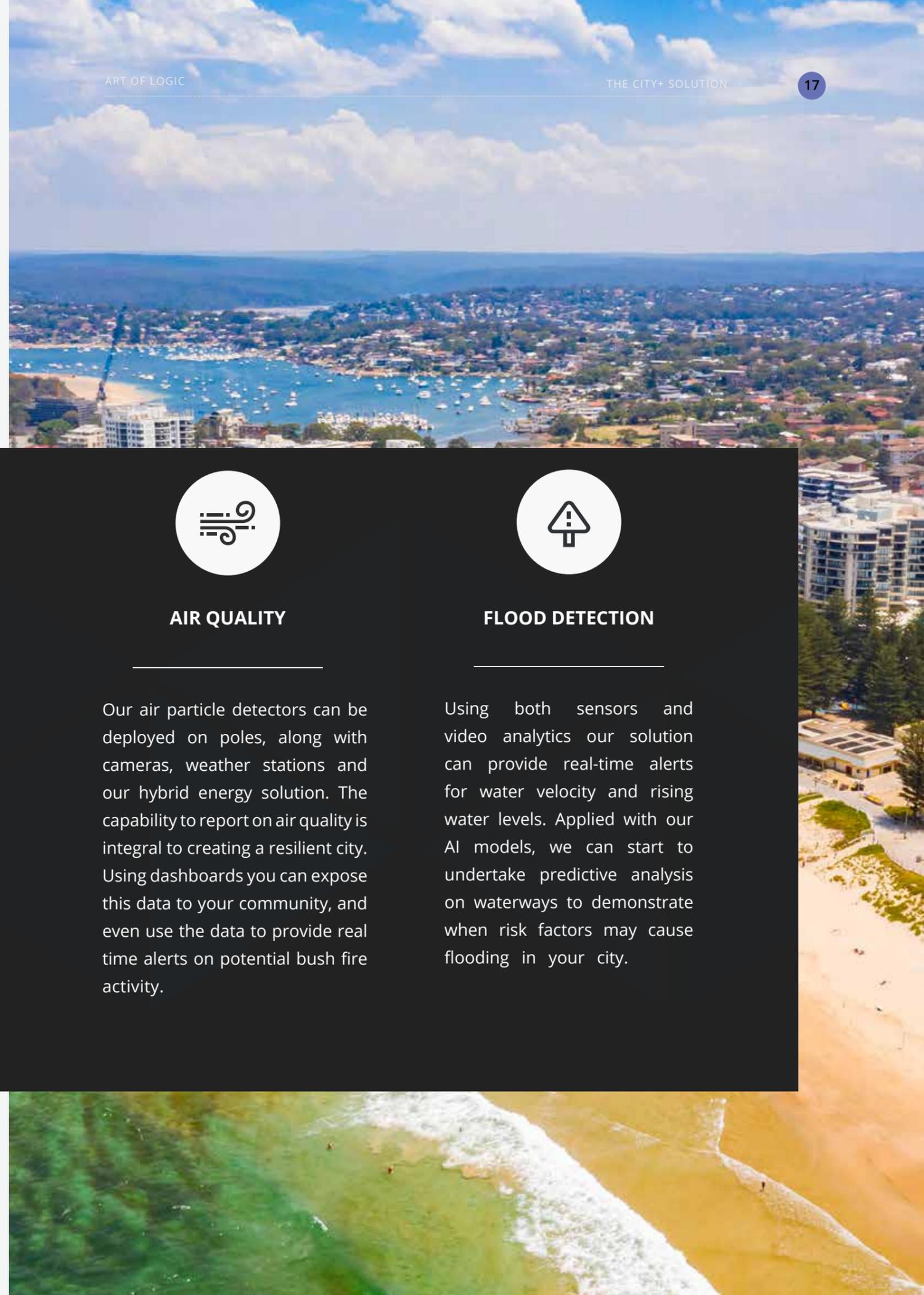
AIR QUALITY

Our air particle detectors can be deployed on poles, along with cameras, weather stations and our hybrid energy solution. The capability to report on air quality is integral to creating a resilient city. Using dashboards you can expose this data to your community, and even use the data to provide real time alerts on potential bush fire activity.



FLOOD DETECTION

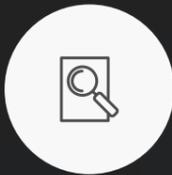
Using both sensors and video analytics our solution can provide real-time alerts for water velocity and rising water levels. Applied with our AI models, we can start to undertake predictive analysis on waterways to demonstrate when risk factors may cause flooding in your city.



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HEALTH MONITORING



REAL TIME MONITORING

Monitor in real time your CCTV network. Understand the status of each site, server, and camera, in a simple and streamlined view. Stay on top of camera health and understand performance by having it at your fingertips.

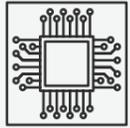


WORKFLOW AUTOMATION

Get real-time alerts when your network goes down, providing a proactive view to CCTV health and monitoring. Enable alerts directly to internal staff or contractors and automate the process of maintenance requests.



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HARDWARE



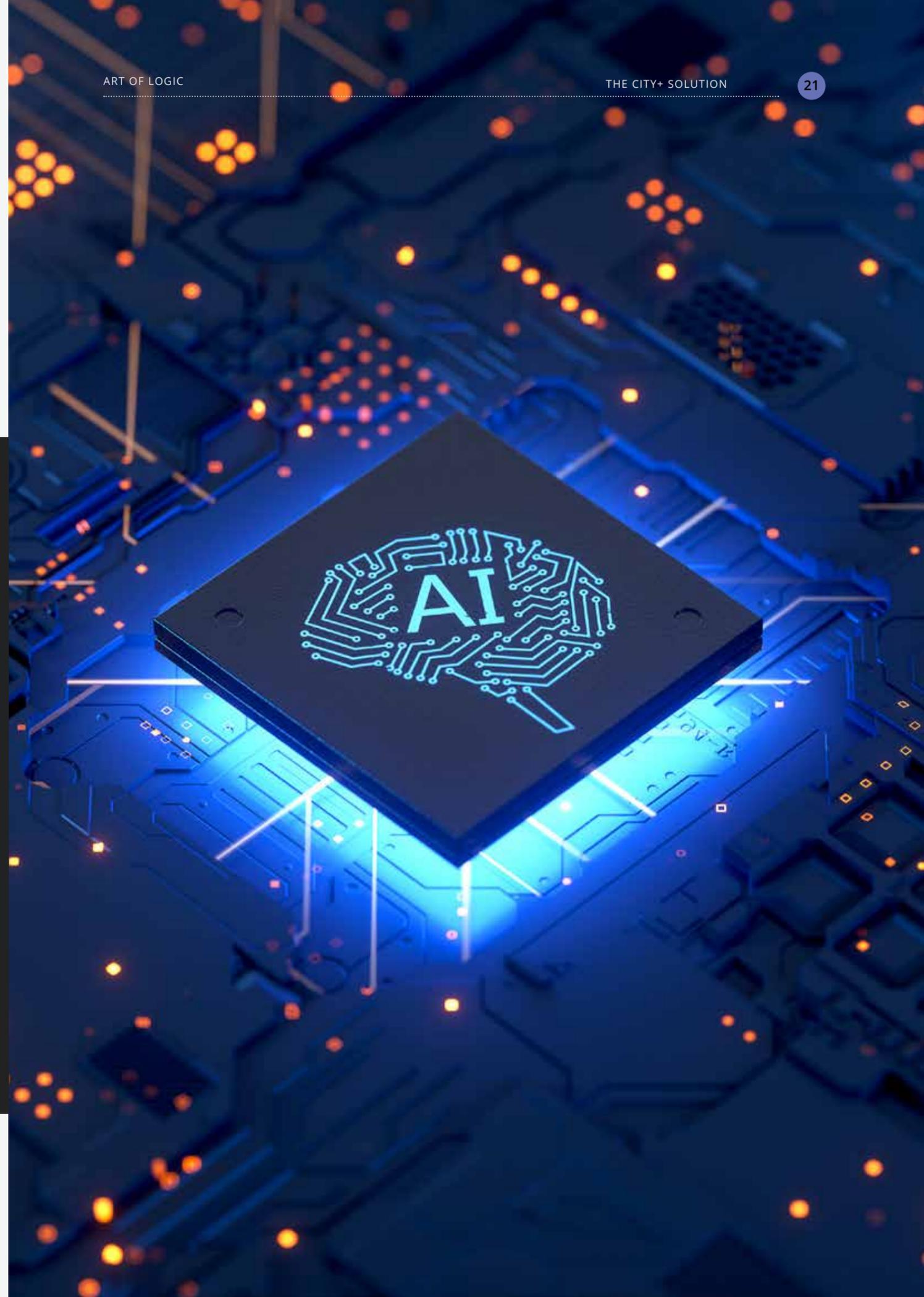
BUILT TO LAST

Our hardware is co-developed with manufacturers within the defence and aerospace industries. This ensures our solutions are powered by robust, fit for purpose technologies, built to withstand the harshest of environments on earth and in space.



EDGE-COMPUTING

We build hardware that is small enough to fit inside the palm of your hand, but powerful enough to run multiple channels of video with analytics. Because we have, you don't need to worry about power consumption, heat generation or exposure to elements. Our hardware is built to be in your environment, with minimal maintenance



OUR PEOPLE



PROFESSIONAL SERVICES

From design to implementation, we will work with you to plan, design and deliver your City+ solution.

Embedding ourselves to deeply understand the needs of your business, we will partner with you to facilitate workshops, develop documentation, and deliver your project.

Our dedicated team of professionals bring a wealth of knowledge from both government and private sectors to ensure your solution is fit for purpose, delivers tangible results, and is used to create change and enhance innovation.



SUPPORT & MAINTENANCE

We take a collaborative approach to our support and maintenance practice, ensuring you are continually at the forefront of what we are developing. Our support team will work closely with you to maximise your solutions capability.



TRAINING & RESOURCES

We continue to develop easy to deploy, easy to digest training material and user interfaces. You will have access to our library of guides and community of users to discuss, brainstorm and consider new enhancements.

THE ART OF LOGIC DIFFERENCE

Our values and people are what set us apart. Over several years, we have become trusted partners to our clients, ensuring they are making decisions for the betterment of their business and community.

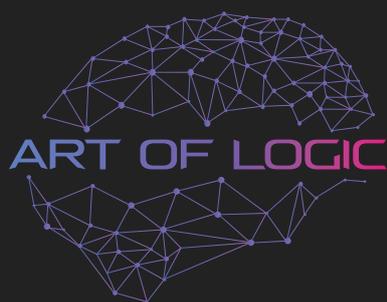
We want to provide a completely integrated smart city solution. We understand that the components of a great city are not isolated from one another but overlap to create the fabric of a community. This is what our solution achieves, by bringing it all together and understanding those key dependencies on transformation and innovation.

We only succeed when you succeed. Our commitment to continual innovation through our knowledge of your technologies, people and process enables us to deliver solutions that only we can.

Ready to learn more?

Our team is here to help. Contact us for more information, product demos and advice.

 www.artoflogic.ai



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Let us tell you more about the amazing things we do.

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