ART OF LOGIC

R&D Specialists in Computer Vision
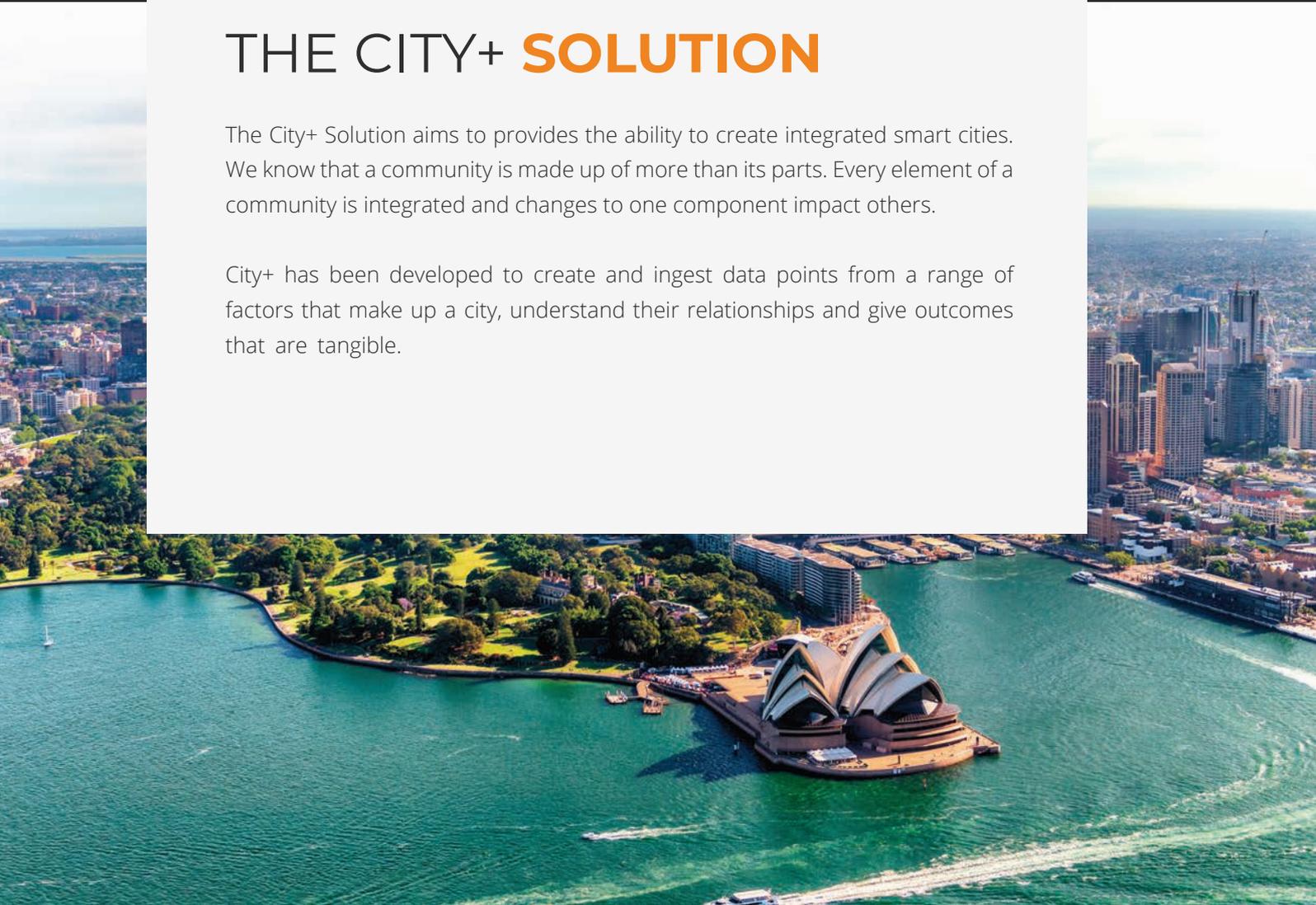
THE CITY+ SOLUTION

ASSET UTILISATION | UNLOCK YOUR CITY'S POTENTIAL

THE CITY+ **SOLUTION**

The City+ Solution aims to provides the ability to create integrated smart cities. We know that a community is made up of more than its parts. Every element of a community is integrated and changes to one component impact others.

City+ has been developed to create and ingest data points from a range of factors that make up a city, understand their relationships and give outcomes that are tangible.

Better understanding your assets enables

IMPROVED PUBLIC SPACE UTILISATION

Well maintained spaces create a sense of safety which is critical to creating public spaces that are useable. Our solution ensures the community feel a sense of security through enabling Council's to proactively manage their open spaces and physical assets based on usage and condition.

UNDERSTANDING HOW YOUR PUBLIC SPACES ARE USED

Through our object recognition technology, you can start to better understand who, what and how your public spaces are been used. Start to understand the number of cyclists on a path, the number of people walking their dog or how many people use your playgrounds.

MAINTENANCE PLANS BASED ON REAL-WORLD DATA

Rather than undertaking cumbersome inspections and double handling data, you can begin to utilise data captured from real-world events to ascertain usage and condition. This allows you to then input this data into your asset maintenance plans, renewal plans or capital works programs, ensuring you are proactive in your response.

REAL-TIME NOTIFICATIONS

It's possible to monitor assets in real-time, identifying issues before they become major problems. Our notification engine can be enabled to trigger based on a range of events from loitering and potential damage to crowd density or size.

REDUCED ASSET RELATED EXPENDITURE

By monitoring assets with video technology and using AI-powered algorithms to optimize maintenance schedules, asset lifespans can be extended, reducing the need for premature replacements.

By providing real-time data and insights, we help asset managers make better-informed decisions about asset utilisation, maintenance, and replacement.

Empower asset management with technology

Model your city, or critical precincts to understand the implications of decisions

Creating a model of a precinct or community area has never been easier through the deployment of utilisation data into mapping tools such as 3D Google Maps. As a research and development company, we want to work with our clients on cutting-edge projects that push the boundaries of proactive government.

Through our solution you can better 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 know exactly how your city operates and predict how it might operate into the future.

Use the insights generated to provide tailored services

Our sophisticated artificial intelligence and recognition libraries turn physical behaviours and events into digital data points. Understanding how your assets are used from playgrounds and parks to facilities such as libraries, enables you to make better decisions around supply, demand, and maintenance.

Using vehicle recognition, we can provide insights into your parking supply and demand – giving you an understanding of average park time, comparison data on parking locations as well as predictive usage based on time of day, season, and weather.

Deploy robust asset maintenance and renewal plans

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.

Eliminate the duplication of data collected across teams and ensure all your asset data is being viewed through a single pane of glass. Enable your teams to make proactive asset decisions and make decisions based on the best available data.

Stand out from the crowd, enhance economic activity

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.
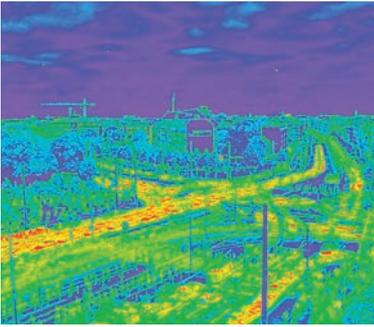
Allowing people to interact with this data online will show businesses that local economic growth is at the core of what you are trying to achieve. Make your LGA stand out and give confidence to businesses that your area is the right choice to create jobs and prosperity.

Leverage AI to provide better, more cost-effective services

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.

Make the decision to move to Just In Time Maintenance, with the ability to adjust schedules based on high, medium, or low usage. Operationally, you now free up resourcing to focus on the most impactful work across the LGA.

Proactively manage your facilities and support services

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.

Rather than relying on surveys for your next strategy research program, you can create a dynamic community space, where you are proactive about the services and type of floor space offered.

Understand your community like never before

Invest in the right places, knowing you are basing decisions on data

Applying our artificial intelligence and machine learning tools, we can deliver predictive analysis to better understand potential or future hotspots. Embedded in native applications to Councils such as PowerBI, our data experts can create views to assist decisions on place planning and design, lighting, and amenity to create safer cities.

Optimise your place making and design

Understand your how your community uses public spaces like never before. Using business intelligence reporting, you can interact with your data to enjoy utilisation, safety, and other insights, tracking their performance over time.

Our people

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 brings 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.
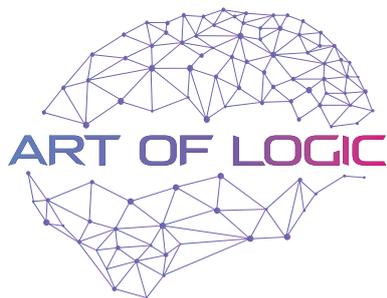
Training & Resources

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.

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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The City+ Solution

Creating Integrated Smart Cities

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

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