RAPIDMAP GLOBAL

COMPANY OVERVIEW

rapidmap 4Dglobal iconyx BigAnalytics

The RapidMap Global Group of Companies are recognised industry leaders, providing solutions for:

- Spatial field services workforce management
- GIS Data collection, analytics, and visualisation
- Field data collection for asset management and surveying
- GPS/GNSS hardware
- Field validation of utilities for Spatial Digital Twins
- Dashboards, Solution Integration & Visualisation Portals

Our specialist divisions include:

- Rapid Map Services – Field Spatial Data Capture & GIS
- 4D Global – GPS/GNSS & Spatial Technologies
- Iconyx – Spatial Works Management Software
- Big Analytics – Data Analysis, Dashboards & Visualisation

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INTRODUCTION

As spatial and data services embrace new and emerging technologies, growing cities are becoming increasingly reliant on quality spatial data to model, visualise, analyse, and communicate past, present, and future developments. RapidMap Global (RapidMap) appreciates that GIS plays a key role as government bodies and private industries move toward the development of smart cities.

For over 30 years RapidMap has delivered advanced spatial products and services, analytics, applications, and hardware. We have empowered hundreds of clients, both locally and internationally, to map and manage the world better.

Renowned for our early-adoption of world-leading technologies, we have advanced the promotion of spatial systems and solutions for business improvement across several diverse industries. From our success in collaboration with clients to solve complex and challenging problems, we have received dozens of Spatial Excellence, ICT and Government Awards.

We are committed to excellence and innovation as we champion best practice, participate in industry engagement through conferences, speaking events, and as members of industry advisory groups and boards.

Our clients repeatedly engage our services. We bring expertise, collaboration, and innovation to ensure the best possible outcome is achieved so that we deliver value to meet and exceed expectations.

EMPOWERING PEOPLE WITH SPATIAL DATA

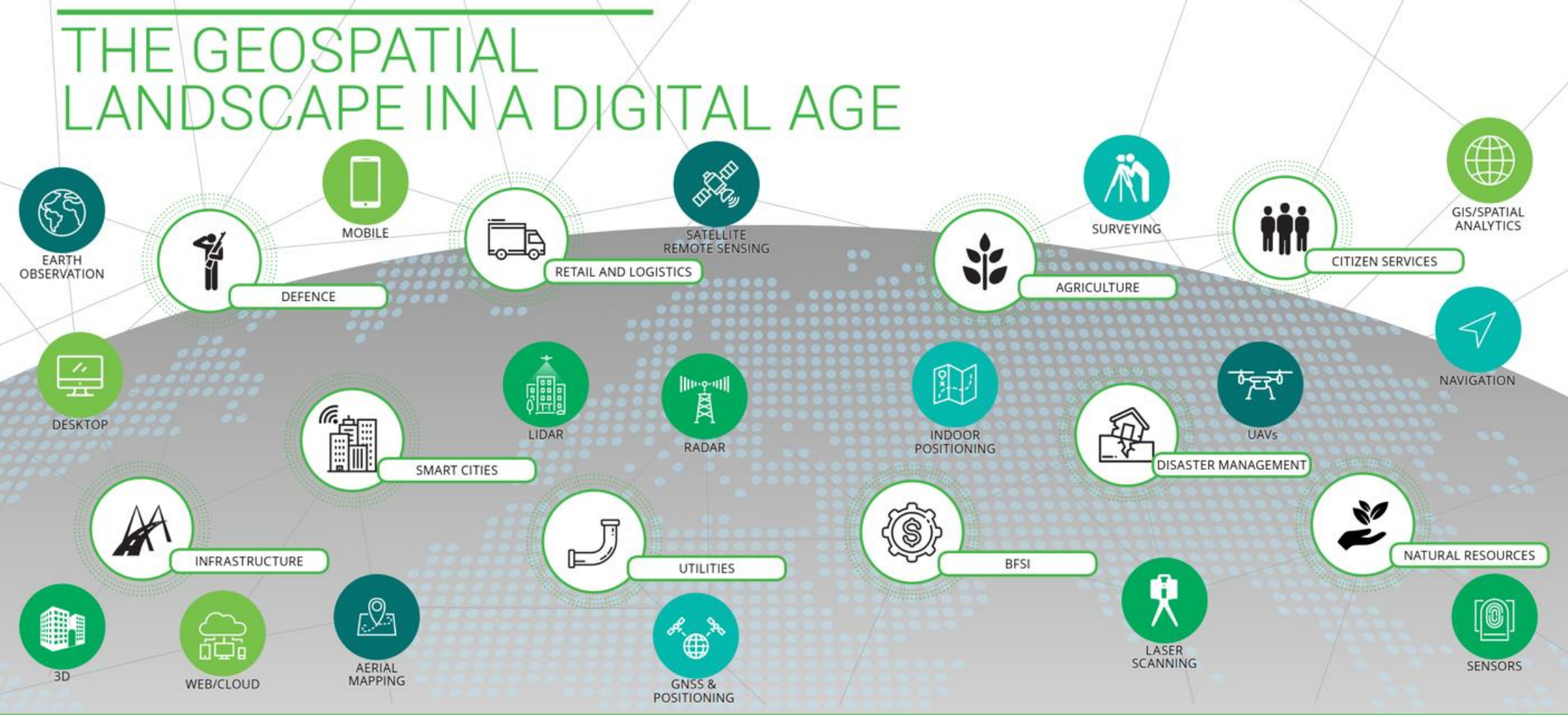
At the core of RapidMap's DNA is our active involvement in emerging technologies and development of new digital spatial services to satisfy our client's diverse business requirements. Quality real time data is achieved by harnessing our diverse range of survey, engineering, sciences, data analytics, business systems and spatial technology expertise.

We recognise that innovation comes from a thorough understanding of businesses challenges, asking the right questions and harnessing the skills of our expert team to document and deliver the right solution at the right time.

Our passion for the Australian industry is unrivalled and we would welcome the opportunity to work with your team to develop a deep understanding of current challenges and identify a future state for your team to be more efficient by connecting the field and office to save time, money and lives.

It is therefore with great pleasure that we submit this RapidMap company overview of our various divisions, for your consideration.

THE GEOSPATIAL LANDSCAPE IN A DIGITAL AGE



TECHNOLOGIES ACCELERATING GEOSPATIAL INDUSTRY GROWTH

	Big Data	Cloud	Artificial Intelligence	IoT & Sensors	Wireless & Broadband
Current Impact	Some of the technologically agile sectors such as BFSI, Smart Cities, Retail and Logistics and advertising have already started to harness Big Data for more targeted outreach.	Cloud computing is providing a range of benefits to organisations of all sizes in terms of lower investments in data storage, processing, and ease of sharing.	AI is helping us discern patterns and trends from huge sets of structured and unstructured data, flag events requiring attention, and take programmed actions.	Over 8 billion connected devices and counting there is rapid pace toward providing more streamlined information in consumer and business environments.	The entire gamut of ICT and geospatial technologies and wireless and broadband applications is playing a vital role as the backbone of today's digital ecosystem.
Future Imperatives	As the amount of spatial and non-spatial data being captured increases from the network of smart devices, new business models and services will transform the way we interact and transact.	Cloud will play a crucial role in emergence of platform technologies that will greatly impact the market of analytics, e-commerce, navigation, engineering, etc., wherever data has a spatial dimension.	Expected integration of the AI with geospatial technologies will pave the way for better workflow automation, process, and project management. Behind every engineer will be an AI digital inspector.	Using location data from IoT systems is dramatically impacting the market of geospatial technologies, especially GIS/Spatial Analytics and GNSS.	Its impact on empowering citizens is expected to expand further in the future as the developing countries prepare the necessary infrastructure to bridge the digital divide

OUR COMMITMENT

Operating in a responsible and sustainable manner is important to us. As we execute in line with the expectations of our diverse global stakeholders, we see corporate responsibility as helping us manage risk and maximise on the opportunities available to us in a changing world. UN Sustainability Development Goals and Digital Twins will influence data standards.

We are committed to managing and monitoring our social, environmental, and economic impact to enable contribution to the wider goal of sustainable development. This commitment is deeply ingrained in our core values, and we aim to demonstrate these responsibilities through our actions and within our corporate policies.

We define Corporate Social Responsibility as follows:

- Conducting business in a socially responsible and ethical manner.
- Supporting regional development.
- Gender equality and the empowerment of women.
- Support diversity and inclusion.
- Protecting the environment and the safety of people.
- Supporting education and employment-enhancing skills amongst university students, particularly in STEM (Science, Technology, Engineering and Mathematics) fields.
- Engaging, learning from, respecting, and supporting the communities and cultures that we work alongside.

RapidMap ensures that all matters of Corporate Social Responsibility are considered and supported in our operations and administrative matters. RapidMap leaders act as role models by incorporating these considerations into decision making in all business activities.

RapidMap has achieved certification in ISO 27001, 45001 and 9001 as a commitment to building in quality, safety and security into everything we do.

The Executive Leadership Team ensures that appropriate organisational structures are in place to effectively identify, monitor, and manage Corporate Social Responsibility issues and performance relevant to our business.

GOVERNANCE FOCUS AREAS

BUSINESS ETHICS AND TRANSPARENCY

RapidMap is committed to maintaining the highest standards of integrity and corporate governance practices to maintain excellence in its daily operations, and to promote confidence in its governance systems.

- RapidMap conducts business in an open, honest, and ethical manner.
- RapidMap recognises the importance of protecting all our human, financial, physical, informational, social, environmental, and reputational assets.
- RapidMap is committed to measuring, auditing, and tracking the performance of its Corporate Social Responsibility programs.

REGIONAL DEVELOPMENT PROJECTS

RapidMap is committed to enhancing the wellbeing of people living in rural and regional areas through sustainable development. We work with local administrations to improve accessibility to world-leading mapping and mapping technologies and support them in managing biosecurity, improving infrastructure and rehabilitation of natural-disaster affected victims and areas.

Where possible, we seek to employ and train local staff when undertaking regional projects. RapidMap continues to seek export opportunities to promote Australian-based products and services globally to grow the local economy.

GENDER EQUALITY

RapidMap promotes gender equality and empower women. The RapidMap leadership team are highly respected for mentoring of women in spatial and ICT technologies and engagement of young ESL interns requiring work experience. As well as empowering women, RapidMap continues to develop and maintain a culture that ensures agile, collaborative, multicultural and multi-generational project delivery to ensure continuous professional development.

EDUCATION

RapidMap promotes STEM education and employment-enhancing skills amongst university students. Achieved through our internship and graduate programs, RapidMap staff regularly mentor students and faculty members, as well as participating in university curriculum development, industry associations and events.

ENVIRONMENT HEALTH AND SAFETY

RapidMap is committed to protecting the health and safety of all individuals affected by our activities, including our employees, contractors, partners and the community. RapidMap recognises the need to adopt the highest environmental standards and continues to promote recycling, reuse of materials, reducing energy and raw material consumption and to reduce harmful emissions. RapidMap integrates these concepts into business decision-making.

All employees and contractors are responsible and accountable for contributing to a safe working environment, for fostering safe working attitudes, and for operating in an environmentally responsible manner.

COMMUNITY AND CULTURAL INVOLVEMENT

As a global supplier to customers, RapidMap operates across a diverse range of cultures and international markets. We continue to apply fair labour practices, while respecting the national and local laws of the countries and communities where we operate and are committed to providing equal opportunity in all aspects of employment. We do not engage in or tolerate unlawful workplace conduct, including discrimination, intimidation, or harassment.

RapidMap is committed to working with Indigenous groups across Australia to manage and protect national heritage, art, and culture, through the provision of Cultural Heritage mapping and training sessions.

COMPANY PROFILE

RAPID MAP SERVICES

Rapid Map Services has extensive experience providing asset data capture, condition and defect assessments, GIS desktop mapping and asset management services to local, state and federal government departments, utilities and private industry since 1994.

RapidMap specialises in the following spatial data services:

- Asset data capture including condition assessment and defect identification
- GIS and desktop mapping, data analysis and data management
- High accuracy GPS surveys
- Data auditing and cleansing
- Compliance audits including DDA assessments and costs of reparatory works

GIS AND DESKTOP MAPPING

Rapid Map continues to be contracted as the "in-house" GIS consultant for several clients. Our specialists provide GIS and desktop mapping for asset management, pavement management, environmental, market research, sales analysis, farming, demographics, and fire management.

Data creation and manipulation techniques include digitising aerial photography, spatial analysis, data cleansing, data analysis, gap analysis and thematic mapping.

SPATIAL ASSETS DATA CAPTURE

Rapid Map specialises in GIS data capture, condition and defect inspections of assets including drainage, reserve, facility, sporting, street, signage, lighting, path and traffic infrastructure. We populate and update data for corporate GIS and asset management systems.

Mapping and collection of detailed asset data for parks and reserves, community service facilities, walkways, medians, roadside verges and traffic treatments. Assets include park and street furniture, litter bins, bollards, drinking fountains, bike racks, statues, street art, drinking fountains, shelters, turf areas, gardens, retaining walls, feature walls, sports fields and assets, pathways, fencing, pergolas, stairways. and other reserve or street assets.

Larger assets are plotted in the office using aerial photography and verified in the field. Other assets are located in the field using a combination of GPS and aerial photography. All assets are attributed in detail, including generic or unique digital photographs.

Stormwater Drainage Networks

Detailed surveys of stormwater network and water management assets, including network connectivity and flow direction. Data capture of pits and pipes; with size, material, condition and detailed asset photo attribution, include spatial and textural linkage between pits and pipes.

Public Lighting Inventories

Validation of public lighting ensures the spatial location, addressing and textural attributes are correct, and captures new street light data along roads and in parks and reserves. Rapid Map collects fully attributed data, including pole location, number and material, luminaire type, wattage, installation date and defects plus generic light and generic cross arm photographs.

Traffic Related Assets

Highly detailed spatial audits of all traffic facility assets, including roundabouts, traffic islands, speed humps, thresholds, signage, line marking, shared paths, pedestrian crossings, parking bays, barriers, guard rails, pedestrian fencing, cycle ways, school zones, and shared zones. Assets are accurately located in the field, photographed, and attributed in detailed GIS format, with all components assessed for condition, defects and compliance to Australian Standards and AustRoads Guidelines.

Signage

Spatial data capture, with detailed audits of all standard and nonstandard signs in reserves, open space areas and nominated streetscapes. High-level detail with each sign verified for spatial accuracy and existing attributes, including Australian Standard Code, type, size, direction of arrows, times, limitations, exceptions, and method. All signs are accurately located and attributed in detail, with multiple photographs of each sign captured, including context photos, sign panel photos and multiple detailed photos of all interpretative signs.

Parking Studies

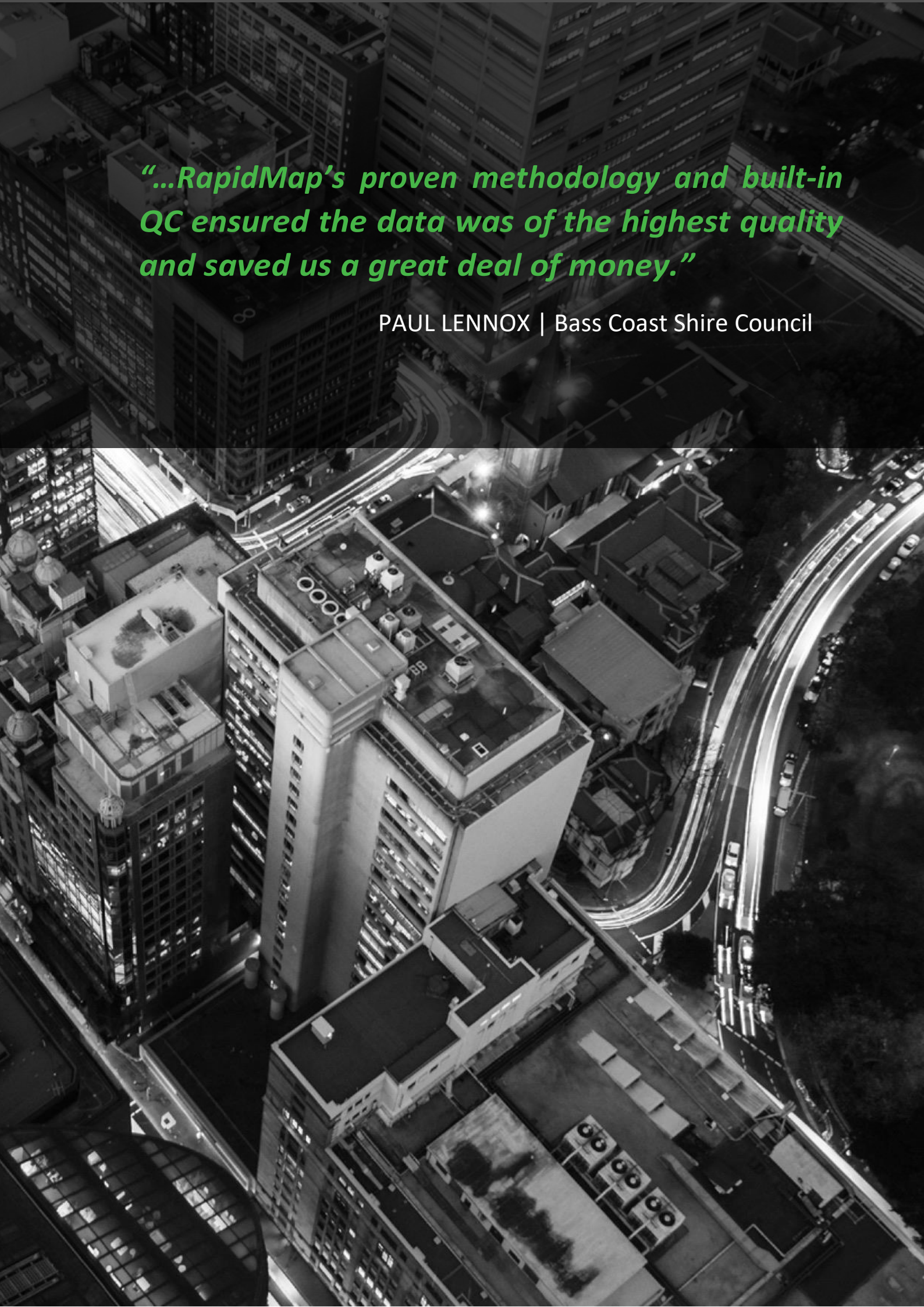
On street and off-street parking studies, including period parking details, capacity and usage provide a complete audit of the quantity and distribution of controlled parking bays. All details relating to the individual parking controls are captured including Australian Standard codes, control types, times, limitations and exceptions, parking methods, payment methods and arrows. Audits can also be used to determine where parking is not possible with the mapping of all driveways, kerb outstands, traffic calming devices, traffic treatments, on-road street trees plots, fire hydrants and post boxes captured during the project.

Public Transport Infrastructure

GIS data analysis and data capture of public transport infrastructure and routes. Details collected include bus stop signage, shelters, seats, timetables, lighting, and access. Site inspections provide details on existing infrastructure at each stop, such as boarding point, access paths and ramps, adjacent footpaths seating and street furniture, signage, tactile ground surface indicators and lighting. Transport network routes are assessed for compliance based on supplied criteria, travel distance and estimated travel times are calculated for public transport routes within specified catchment areas.

"We've worked with RapidMap to assess our Open Space Assets a number of times over the past 10 years, and we keep returning to them as they always deliver high quality outcomes."

DOMINIC DI MARTINO | Brimbank City Council



"…RapidMap's proven methodology and built-in QC ensured the data was of the highest quality and saved us a great deal of money."

PAUL LENNOX | Bass Coast Shire Council

Footpath Condition Assessments

Detailed mapping of footpath networks and defects inspections include options for individual defect mapping and severity assessments for vertical displacement, cracking, horizontal displacement, uplift, patching, and edge drop. Initially mapped using aerial photography, all footpaths are attributed for street, start road, end road and chainage.

Field inspection surveys are carried out with all specified defects mapped, attributed and linked to the relevant footpath. Geo-referenced video is captured of all footpaths, with still images extracted from the video at specified intervals. Defects and hazards captured in previous surveys will be analysed and if repaired marked as completed. Any new defects or hazards are plotted, photographed and attributed in detail.

GPS SURVEYS

Rapid Map has extensive experience providing GPS surveys, employing the latest technology and methodologies to provide fast, efficient, and accurate results. Having used GPS since its inception in the surveying industry, we understand both the capabilities and the limitations of the technology. We have completed numerous GPS surveys throughout Australia for a wide variety of clients and industries.

ASSET MANAGEMENT

With a focus on practical results that show direct benefit, we regularly:

- Prepare detailed asset registers covering all the necessary attributes for holistic lifecycle asset management
- Review asset register to assess the suitability, completeness and accuracy of the information held
- Prepare data improvement plans and methodologies
- Provide professional engineering-based condition and performance assessments
- Conduct asset valuations including:
    - Valuation and depreciation of infrastructure and property assets
    - Assessment of appropriate asset effective life
    - Optimised valuations for due diligence

CONSULTANCY

Rapid Map assists clients with project strategy and planning. Our attention to detail and practical approach helps achieve successful outcomes for their spatial data projects. Using our expertise and experience, we can help to provide solutions to your spatial data challenges.

COMPANY PROFILE

ICONYX

Iconyx is a recognised leader in mobilising people and information for clients, across numerous industries, including local, state, and federal government, utilities and corporate Australia, to increase productivity, maximise profitability, and ensure the client remains globally competitive.

Using advanced mobile and spatial technologies, Iconyx is among Australia's leading providers of IT integrated solutions and services, delivering mobile systems to manage asset integrity, compliance, and risk mitigation.

The Iconyx team has over 20 years' experience on how to best manage a rapid transition to work environments that support a global, mobile and remote workforce, making the best of their skills and maintaining their identification with the organisation, its culture and goals.

Connecting and coordinating office and field to optimise operations, increase service delivery and grow business capacity. Iconyx's mobile applications and online hosted solutions unlock the knowledge of the workforce and existing corporate systems, translating data in real time so it is immediately available and informs management decisions and reporting.

Based upon highly developed and intuitive spatial database and IT expertise, Iconyx offers configurable solutions that are tailored to suit complex business requirements.

MOBILE WORKFORCE TECHNOLOGIES

Collaboration between Client, Delivery Partners, and 3rd Party Subcontractors

SUMMIT SOFTWARE SOLUTION

With years of experience undertaking field-based data capture, inspections and surveys; RapidMap realised there was a gap in the market place for an enterprise solution capable of coordinating office and field officers undertaking complex field management activities, including asset management, environmental works, fire prevention and disaster management, for example.

As such, Iconyx was created and Summit, a world leading solution for interactive asset mapping, data capture and condition surveys, with ongoing workflow maintenance activities, was developed.

Summit standardises data collection, monitoring, and evaluating, reporting and record keeping, to collate and share quality assured data. The solution proposed is available “off the shelf” and is robust, proven across many projects and will ensure project success for all clients in line with their immediate and future requirements.

Summit is designed to be configured to suit the evolving needs of clients – without coding expertise. This system is a cloud-based web application and can be accessed by registered users from any location through a web browser. User permissions are used to control access to data and configuration of settings in the system.

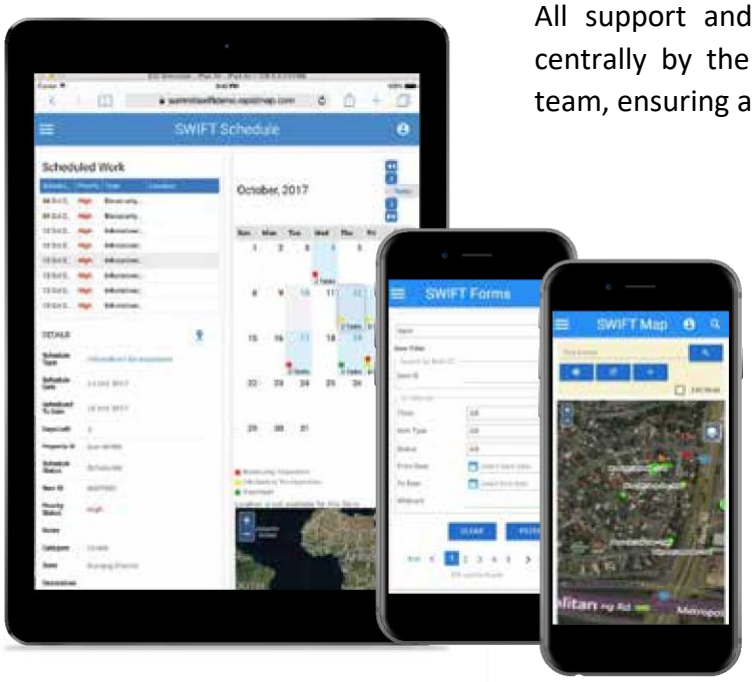
The web-based Summit solution is used to manage data, schedule activities and generate reports. It has a powerful search capability that enables managers to plan a wide range of field activities and schedule for efficient deployment of staff.

Summit is a fully integrated information management system that can be configured for any type of field survey and data capture. It captures, edits and synchronises locations and activity records and keeps an audit trail of changes. This includes:

- Planning and scheduling of inspections, monitoring and works
- Communication of activity schedules to mobile field staff (emails and calendar items)
- Support for ad-hoc inspections, data capture and activities
- Permanent history of condition assessments and information updates
- Libraries of standard options for filling in forms
- Form links to documents, photos and other reference materials
- A powerful and flexible reporting and searching capability with exports to maps or Excel
- Rapid search and visualization of individual and multiple work locations via map interfaces
- Live map colour changes to keep the team up to date with work status

The hosted Summit solution can be deployed in a short timeframe without inhouse IT support to allow for rapid deployment of field teams. The flexible and user intuitive Summit solution can be configured to suit unique data requirements and business processes.

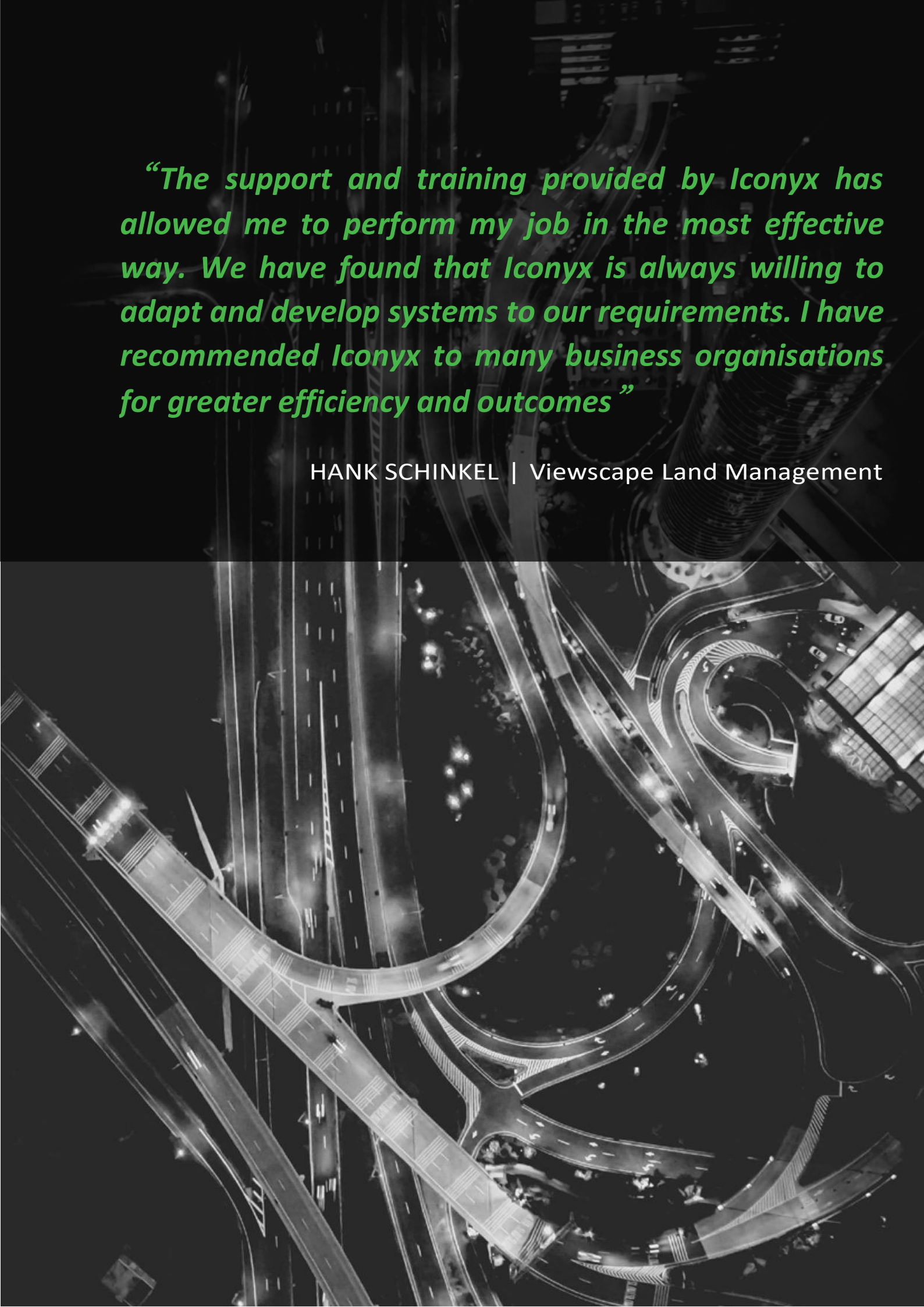
Summit supports both standard digital forms and a mobile map interface with inbuilt quality assurance on data entry to significantly increase productivity through organisation wide collaboration.



All support and maintenance of Summit is handled centrally by the RapidMap Australian-based technical team, ensuring an efficient, stable and secure solution.

"Iconyx allowed us to efficiently deliver our clients' requirements in a high-quality manner. Iconyx has worked closely with us to innovate systems ... enabling us to continually excel in all field and data management delivery activities."

RAED ZAKZOUK | cpsEmnion



"The support and training provided by Iconyx has allowed me to perform my job in the most effective way. We have found that Iconyx is always willing to adapt and develop systems to our requirements. I have recommended Iconyx to many business organisations for greater efficiency and outcomes"

HANK SCHINKEL | Viewscape Land Management

SUMMIT VIEWSCAPE AND MANAGEMENT

Summit is designed to integrate with a variety of asset management and corporate systems. Initially developed for local and state government departments, the software solution provides synchronisation between office and field, of all organisations required to manage asset and environmental information as part of their operations.

BENEFITS OF SUMMIT – Spatial Workforce Coordination

Empowering a distributed workforce with the awareness of spatial data and activities, Iconyx's Summit solution can be used by anyone, anywhere at any time. Providing project intelligence and visibility across all stakeholders (region-wide deployment), by centralising operations and supporting data currency and quality, allows organisations to maintain visibility of spatial and a-spatial information at all times. The benefits of Summit are vast. Examples include:

- Configure SMART digital forms to suit any workflow and management system, maintaining the integrity of corporate databases
- Combine the best features of relational databases and maps to view a history of all inspections and asset data, achieving a higher level of operational efficiency
- Prevent duplication of work, loss of data, and data errors, increasing transparency of operations with complete audit trail
- Automate Workflows to allocate work in line with service levels for location / priorities
- Reduce costs with accurate data and better resource management
- View all enterprise data through a single interface and integrate to other systems
- Easily use a mixed fleet of mobile platforms, such as laptops, PDAs, smart phones and tablet computers
- Record positions in the field using integrated GPS / GNSS or use absolute relationships to accurately mapped location geometries such as pits, trees, assets, boundaries etc
- Online – Offline to support disconnected and remote field users in tough environments
- Scalable to your needs. Immediately scale up or down to mobilise users, teams and contractors as the project demand, requires
- Real-time reporting for management – leverage map interface for status or dashboards
- Photograph assets and issues. Every image is uniquely identified and the image can be marked up and labelled with date, GPS coordinates (X,Y), time and EXIF tagged (meta data) to associate location. Images, documents & media are recorded to share
- Seamlessly collate concurrent field inspection and workflow data and synchronise it with existing other enterprise data systems in real time to keep everyone informed
- Integrate external spatial databases to permit the flow of authoritative data between enterprise management systems and support the flow of intelligence from field to asset management systems, facilitating internal and external communications and knowledge management with accurate data

COMPANY PROFILE

4D GLOBAL

4D Global is an end-to-end spatial equipment, mobile mapping, positioning, locating technology solutions and field mobility provider specialising in GPS/GNSS, inertial (IMU), Subsurface detection, laser scanning and mobile Tablet devices for field-based survey and data collection teams.

Established in 1991, 4DGlobal is a company that has grown and evolved with the GPS/GNSS and GIS industry to be a recognised authority on device selection to suit challenging project requirements. Starting with the earliest GPS devices, 4D Global has expanded to cover not only the latest mapping technologies but also rugged field handheld, mobile computer solutions, data processing software, training and services.

Whether Android, iOS or Windows operating systems are required for the applications, 4D Global knows which device is right for the task.

4D Global expertly represents innovative geospatial technology solutions, products and services for planning, developing, and managing your spatial data and assets.

Today, 4D Global provides the best selection of advanced GNSS/GPS/inertial technologies, laser scanning, tablet PCs, mapping software and accessories from the world's leading brands for GIS mapping and data management professionals. Several are optimised for ESRI FieldMaps, Collector and Survey 123 to satisfy enterprise deployments across Government & Utilities.

SURVEYING - POSITIONING AND LOCATING

~~Quality and~~ durability of survey equipment is key for delivering consistent and accurate results. Accurate surveying ensures efficiency and durable equipment means less down time and higher productivity.

Eos Positioning Systems is on a mission to offer affordable, highly accurate survey-grade GNSS receivers to the GIS and mapping industries. With this in mind, the Eos technical team built the world's first device-agnostic GPS receiver. As a result, the rugged Arrow Series was born. Providing submeter, subfoot and centimetre accuracy on any device, including iOS, Android, Windows, and Windows Mobile. Equally important is the ability to seamlessly integrate with mobile field data collection apps. For example, Esri, TerraGo Edge, your own internal app or a third-party tool. With hundreds of years of combined GPS experience. Eos Positioning Systems is undoubtedly the world's leading provider of GPS / GNSS receivers for the Bring Your Own Device (BYOD) market.

The AML is a highly sensitive tool that utilises advanced, ultra-high radio wave frequencies to locate buried PVC and PE pipe. Utilising technology that was developed for lunar exploration, the AML will locate subsurface materials indiscriminately - plastic, metal, wood, cable or pipe. Unlike the deficiencies Of GPR (or Ground Penetrating Radar), the AML will function in clay, wet soil, snow or standing water without the need for a separate transmitter and receiver, wires, clips or clamps. Redesigned specifically for the utility, water, gas and cable industries, the AML allows professionals to locate objects faster, while maximising job efficiency.

AERIAL MAPPING

Aerial surveys are necessary for a vast variety of applications including topographic mapping, forestry ground and canopy measurements, powerline corridor mapping, Digital Terrain Model (DTM) generation, high-resolution digital imagery, orthophoto production, and many more.

Direct georeferencing improves the efficiency of aerial mapping. It reduces costs, increases profits and lessens environmental impact.

applanix
A TRIMBLE COMPANY

Applanix pioneered the use of direct georeferencing for airborne mapping, and offers a complete portfolio of products, software and solutions. Applanix systems for direct georeferencing and flight management are easily integrated with today's airborne imaging sensors. Improving the efficiency of collecting and geocoding data from the air allows reduced field costs, faster completion, and seamless workflows.

Applanix pos AV

The POS AV is an integrated GNSS + Inertial system built for airborne applications. POS AV includes the POS Computer System (PCS) with an embedded 220 channel survey grade multi-frequency GNSS receiver. The PCS computes position and orientation in real-time at rates of up to 200 times per second.

Applanix POSTrack

The Applanix POSTrack consists of a POS AV system tightly integrated with an advanced Flight Management System (FMS). The FMS provides mission planning, pilot guidance and sensor control - important for reducing time in the air and improving data quality.

Applanix POSPac MMS

POSPac MMS (Mobile Mapping Suite) office software processes data from Applanix POS AV and POSTrack to accurately georeference data from airborne mapping sensors. Using GNSS and inertial technology, POSPac MMS is optimised for the airborne environment and compatible with a variety of mapping sensors. It is "smart" software, achieving maximum accuracy and maximum efficiency for direct georeferencing.

INDOOR MAPPING

Increasingly, 3D models, 2D floor plans, and Computer Aided Design (CAD) are being used to increase productivity in building design, construction, and maintenance. Accurately determining the current "as-built" layout and dimensions of existing buildings, delivers critical intelligence for building management including managing security issues, health and safety concerns, maintenance, modernisation and restoration planning, and space utilisation. Importantly, accurate and up-to-date spatial information of public buildings offers many safety benefits to responders and to the public.

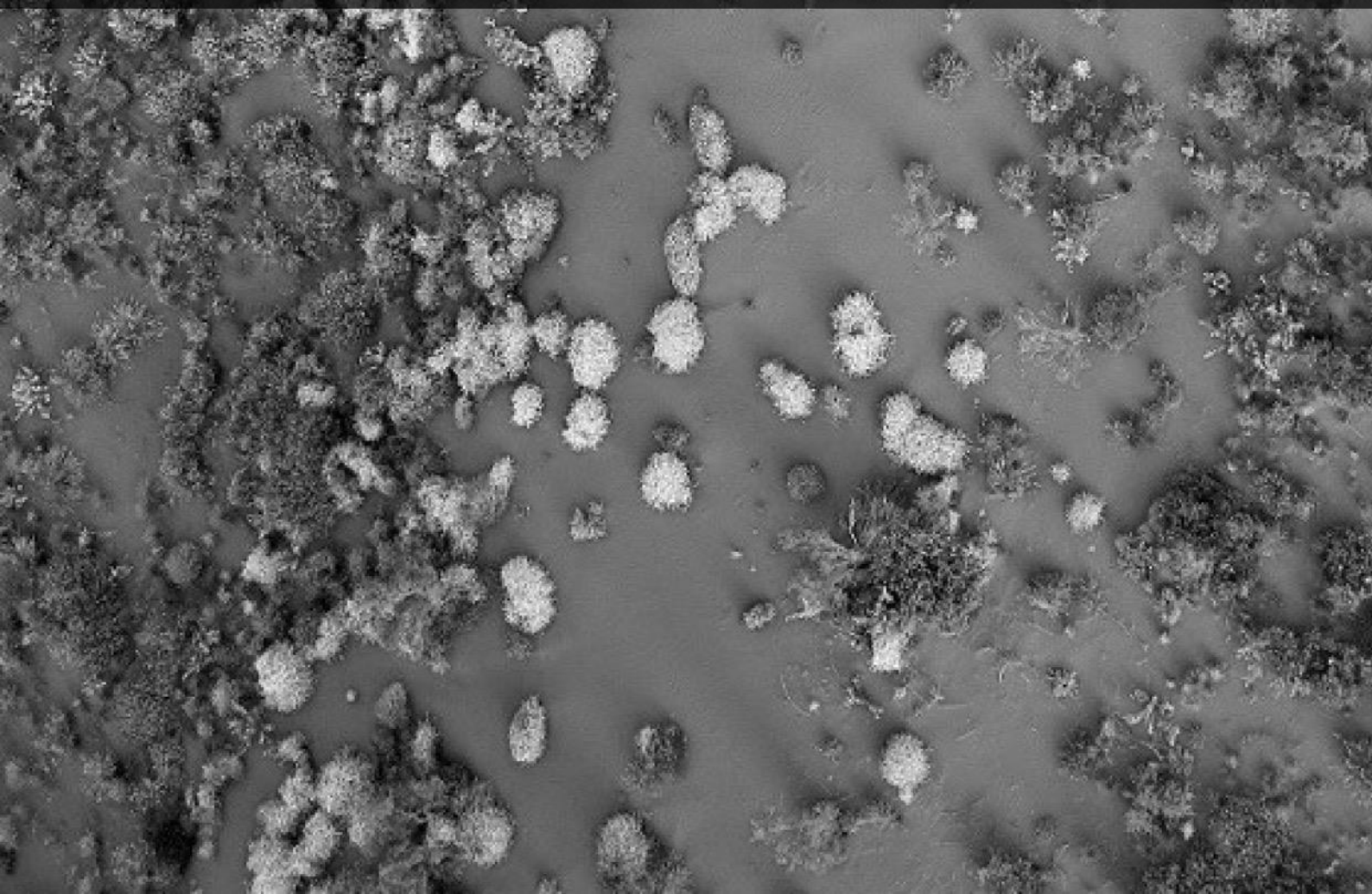
The Trimble Indoor Mobile Mapping Solution (TIMMS) is the optimal fusion of technologies for capturing spatial data of indoor and other GNSS-denied areas of all sizes and locations. It provides both LiDAR and spherical video, enabling the creation of accurate, real-life representations (maps, models) of an interior space and all of its contents. Every object in the interior space, including desks, chairs, stairs, and doors appear in the plan. TIMMS produces geo-located maps and models. The real-world positions of each area of the surveyed building and the contents are known.

“As a new comer to GPS and GNSS hardware, Peter Terret has been extremely helpful in assisting with both selection and configuration of Eos and Arrow systems. Furthermore, Peter's preparedness to support the products have been very professional and greatly appreciated.”

MICHAEL TENBURREN | Tenbuuren Irrigation Designs

"Peter and his team provide excellent service, equipment and support. He spent time reviewing our needs ensuring we had the right equipment of our work. Our Field team are delighted with the knowledge they have gained from Peter's expertise and support. We look forward to an ongoing relationship with 4D Global and know their focus and expertise ensures they stay ahead in this industry. Highly recommend."

NATALIE VERDON | Briometrix



MOBILE FIELD COMPUTING

Field Computers revolutionised the mapping and surveying profession, allowing users to collect and process data while in the field, streamlining workflows and increasing productivity to unprecedented levels. However, real world surveying and mapping demands rugged, versatile, and dependable data collectors.

The best way to prevent errors in data, delays in work order completion and customer satisfaction issues, is by deploying rugged mobile computing solutions that expedite both planned and unplanned fieldwork.

4D Global is proud to partner with the leading rugged mobile computer manufacturers, offering a full range of field tablet PCs, 2-in-l and handheld devices and accessories.

Getac

As one of the leading rugged computer providers, Getac offers extensive range of rugged laptops and tablet computers.

Servicing a wide range of industries including military and defence; law enforcement; public safety and emergency services, utilities, natural resources, oil and gas; telecommunications, transportation and industrial manufacturing. Getac has been providing rugged computing solutions for demanding professionals in extreme environments since 1989.

Panasonic

Toughbook computers, tablets and handhelds are built for the world's toughest users — those who do extraordinary things in extraordinary places.

Every day, rugged tablets transform the way people work, wherever their job takes them. Reliability, lower total cost of ownership and "always on" connectivity are just a few Of the reasons the world's toughest users choose Toughbook.

4D Global selects mobile computer and hand held devices that are reliable for remote work in challenging environments which are designed and tested to withstand the unexpected - from bangs, bumps and spills to six-foot drops and harsh weather conditions.

GPS, GIS, CAD SOFTWARE

The current power of field computers and GPS equipment has allowed the development of custom applications that streamline the end-to-end information workflows and increases productivity significantly. In a similar fashion, back at the office there are nowadays several powerful yet affordable software options to process the data collected.

Our approach to software is to understand your specific workflow and equipment platform, so we can design the right set of components that would allow you to collect, process and present the information with the maximum productivity and integration. In addition to software developed by the RapidMap Global Group of Companies, some of the software 4D Global offers, includes several major field and office applications.

TRAINING

Our training services ensure that your staff make full use of the equipment to achieve higher levels of productivity and accuracy. Led by one of the leading forces and pioneers of the spatial industry in Australia, Peter Terrett. our GNSS training approach is to guide you through real-life and hands-on user scenarios.

Classes are enriched with key lessons delivered by our team of more than 35 years of real world experience dealing with a vast array of challenges. The training will provide you with the opportunity to learn hands on, all you need to know about how your GNSS equipment operates and how to effectively apply it in the field with various differential correction services to achieve accuracy and precision, as required.

RENTAL EQUIPMENT

4D Global manages a complete stock of equipment for hire, covering all aspects and requirements for detailed spatial data activities in the field and office.

Based on extensive in-the-field experience across several industries and disciplines, we have built a modern set of rental-based solutions with support to ensure your success.

For many organisations it is not economically effective to buy the equipment as a capital expense and the maintenance costs could easily outweigh the benefits. With the 4D Global rental fleet you are able to choose the best equipment for your specific project with our expertise to guide you.
To view the full range of 4D Global products please visit **www.4dglobal.com.au**

EXCELLLENCE & INNOVATION

INNOVATION THROUGH PARTNERSHIP & COLLABORATION

With a commitment to excellence:

- We believe that innovation comes from a thorough understanding of business challenges, asking the right questions, and harnessing the strength and skills of our expert team.
- With expertise in spatial technologies and GIS data management solutions in terms of positioning hardware, mobile software, system integration and geospatial consulting services, we can work through issues with a team of subject matter experts that in combination deliver successful, efficient, innovative and reliable solutions.
- We continue to be at the forefront of spatial technologies from around the globe and early adopters of the latest spatial database and software engineering to mobilise people and information.
- By engaging RapidMap as your partner, you also gain access to a diverse, multi-disciplined team from vast network of technical specialists and suppliers. Our goal is to help you to identify the best value ROI solutions to overcome complex business challenges.
- We advocate diversity in our organisation and believe different perspectives and experiences assist in the identification of new approaches to take us closer to reaching our shared goals.

Recognising Spatial Excellence & innovation, we have been nominated and won numerous prestigious technical excellence awards as judged by Government, Research and Industry associations. Some of our award-winning projects include:

NBN & TELECOMMUNICATIONS:

Mobilising Big Data for NBN Design and Construction Efficiencies *Iconyx & Service Stream*

- Winner, Spatial Enablement Award - Western Australian Spatial Excellence Awards

WATER & GAS UTILITIES:

Irrigation Network Audit - Saving Water and Protecting the Environment

Townsville City Council, Parkland Australia

- Finalist, Innovation and Commercialisation Award - Queensland Spatial Excellence Awards
- Runner Up -Highly Commended, Best New Product Award - Irrigation Australia

Energy to Innovate – RapidMap Portal *Iconyx, APLNG, Cogha*

- Winner, Award for Spatial Enablement - Queensland Spatial Excellence Awards
- Winner, Technical Excellence Award - Queensland Spatial Excellence Awards
- Winner, JM 'Mac' Serisier Award for Overall Excellence - Queensland Spatial Excellence Awards

DISASTER RESPONSE & EMERGENCY MANAGEMENT:

Longford Gas Explosion Data Capture – Forensic Data Capture for Royal Commission *Rapid Map Services*

- The Institute of Surveyors | The Robert Hoddle Prize in Surveying | Winner

Emergency Services Telecommunications Authority (ESTA) Emergency Marker Data Collection System: Saving Time - Saving Lives *Rapid Map, Iconyx and ESTA*

- Winner, Infrastructure and Construction Award - Victorian Spatial Excellence Awards

Black Saturday Bushfires – Communities in Crisis – Nillumbik Shire Council Post Fire Recovery Coordination *Rapid Map Services and Iconyx*

- Winner, Infrastructure and Construction Award - Victorian Spatial Excellence Awards
- Winner, Infrastructure and Construction Award - Victorian Spatial Excellence Awards

CLIMATE CHANGE & COMMUNITY RESILIENCE:

Climate Change Future Coasts Project: LiDAR, Climate Change, Spatial Technologies and Risk Mitigation for the Coastal Communities at Bass Coast Shire Council

Rapid Map Services and Bass Coast Shire Council

- Winner, Land Titling and Development Award - Victorian Spatial Excellence Awards
- National Winner, Land Titling and Development Award - Asia Pacific Excellence Awards

BIOSECURITY & ENVIRONMENTAL MANAGEMENT:

WeedMap Pro - Successful Noxious Weed and Environmental Management in NSW

Iconyx and Hunter Councils

- Winner, Innovation and Commercialisation - New South Wales Spatial Excellence Awards
- Winner, Environmental Sustainability - New South Wales Spatial Excellence Awards
- Winner, Spatially Enabling Government - New South Wales Spatial Excellence Awards
- Finalist, Environmental Sustainability - Asia Pacific Spatial Excellence Awards
- Finalist, Spatially Enabling Government - Asia Pacific Spatial Excellence Awards
- Finalist, Innovation and Commercialisation - Asia Pacific Spatial Excellence Awards

VECTOR CONTROL & DISEASE MANAGEMENT:

Preventing Disease in Silicon Valley USA with Iconyx Vector Control Field Applications *Iconyx*

- Winner, Victorian Government Award for Spatial Excellence - Victorian Spatial Excellence Awards
- Winner, Award for Export - Victorian Spatial Excellence Awards

Remote Control: Spatial Enterprise Solutions for Orange County, California *Iconyx*

- Winner, Innovation and Commercialisation - Victorian Spatial Excellence Awards

CULTURAL HERITAGE:

Cultural Heritage Mapping for the Traditional Land Owners - Wadawurrung Cultural Heritage Mapping Systems *RapidMap Global, Iconyx, Victoria University and Wadawurrung-Wathaurung Aboriginal Corporation*

- Winner, Award for Community Contribution - Victorian Spatial Excellence Awards
- Winner, Heritage Innovation - Ballarat Heritage Award

CLIENT OVERVIEW

For over 30 years RapidMap has delivered advanced spatial technologies in the form of SPATIAL DATA services, analytics, software application and spatial technology hardware to some of the World's most trusted organisations and brands.

Over this time, we have collaborated with hundreds of clients, end users and stakeholders, both locally and abroad, to map and manage the world better.

Some of RapidMap's thousands of long term and repeat customers include:

LOCAL GOVERNMENT

VICTORIA

- City of Melbourne
- Banyule City Council
- Bass Coast Shire Council
- Baw Baw Shire Council
- Brimbank City Council
- City of Ballarat
- City of Boroondara
- City of Casey
- City of Kingston
- City of Moonee Valley
- City of Port Phillip
- City of Whittlesea
- Darebin City Council
- East Gippsland Shire Council
- Frankston City Council
- Hobsons Bay City Council
- Knox City Council
- Macedon Ranges Shire Council
- Maribyrnong City Council
- Maroondah City Council
- Melton City Council
- Mildura Rural City Council
- Mitchell Shire Council
- Moira Shire Council
- Moreland City Council
- Mt Alexander Shire Council
- Nillumbik Shire Council
- South Gippsland Shire Council
- Stonnington City Council
- Wyndham City Council

NSW

- City of Sydney
- Albury City Council
- Auburn City Council
- Bayside City Council
- Bathurst Council
- Berrigan Shire Council
- Castlereagh Macquarie Shire Council
- Cessnock City Council
- Edward River Council
- Holroyd City Council
- Mid-Western County Council
- Murray River Council
- Narrandera Shire Council
- Newcastle City Council
- North Sydney Council
- Parramatta City Council
- Penrith City Council
- Randwick Council
- Rockdale City Council
- Shellharbour City Council
- Strathfield Council
- Upper Macquarie County Council
- Warringah Council
- Wentworth Shire
- Willoughby City Council
- Woollahra Council

QLD

- Brisbane City Council
- Gold Coast City Council
- Gympie Regional Council
- Logan City Council
- South Burnett Regional Council
- Toowoomba Regional Council
- Townsville City Council

NT

- Darwin City Council
- Indigenous Communities

SA

- Onkaparinga City Council
- Adelaide City Council
- Port Adelaide Enfield Council
- Department for Environment and Water
- Limestone Coast Landscape Board
- Southeast Water Conservation Drainage Board

STATE GOVERNMENT

- Department of Transport & Main Roads (Queensland)
- Department Environment, Water, Land and Planning (Victoria)
- Parks Victoria
- SA Water
- SWARMMS -Queensland Health

DEFENCE

- Lockheed Martin
- Broadspectrum / Ventia

ENVIRONMENTAL

- EPA Victoria
- Parklands Australia
- Queensland Parks and Wildlife Service
- Australian Urban Tree Services
- Upper Hunter Weeds Authority
- Falls Creek Alpine Resort
- Australis Biologica
- Zoos Victoria
- Timbercorp

ROADS & TRANSPORT

- Queensland Rail
- Translink Transit Authority
- Phillip Boyle and Associates
- NSW Roads and Maritime Services
- RACV
- TraffixGroup
- Public Transport Vic - VicRoads
- Roads ACT

TELECOMMUNICATIONS

- Servicestream
- CPS Emnion
- Broadspectrum

EMERGENCY MANAGEMENT

- ESTA Emergency Services Telecommunications Authority
- NSW Rural Fire Service

UTILITIES & RESOURCES

- Wannon Water
- Origin Energy APLNG
- Exxon Mobile
- Melbourne Water
- Yarra Valley Water
- Western Water

HEALTH

- Queensland Health

INTERNATIONAL

- National Geographic Society
- Orange County
- Santa Clara County

EDUCATION

- La Trobe University
- Victoria University

OTHER

- Complete Urban
- Local Government Super
- Rainlink
- Booz and Co
- Sensis
- UMS (Urban Maintenance Systems)
- Lockheed Martin

"The RapidMap team were accessible, easy to deal with and provided regular progress reports. The project was completed within time and budgetary constraints and the supplied data, in GIS format, was of a high quality"

CAM MCFARLANE | Macedon Ranges Shire Council