

R&D SPECIALISTS IN COMPUTER VISION

ART OF LOGIC

CAPABILITY DOCUMENT

COMPUTER VISION

>> SEE, IDENTIFY, THINK & ACT

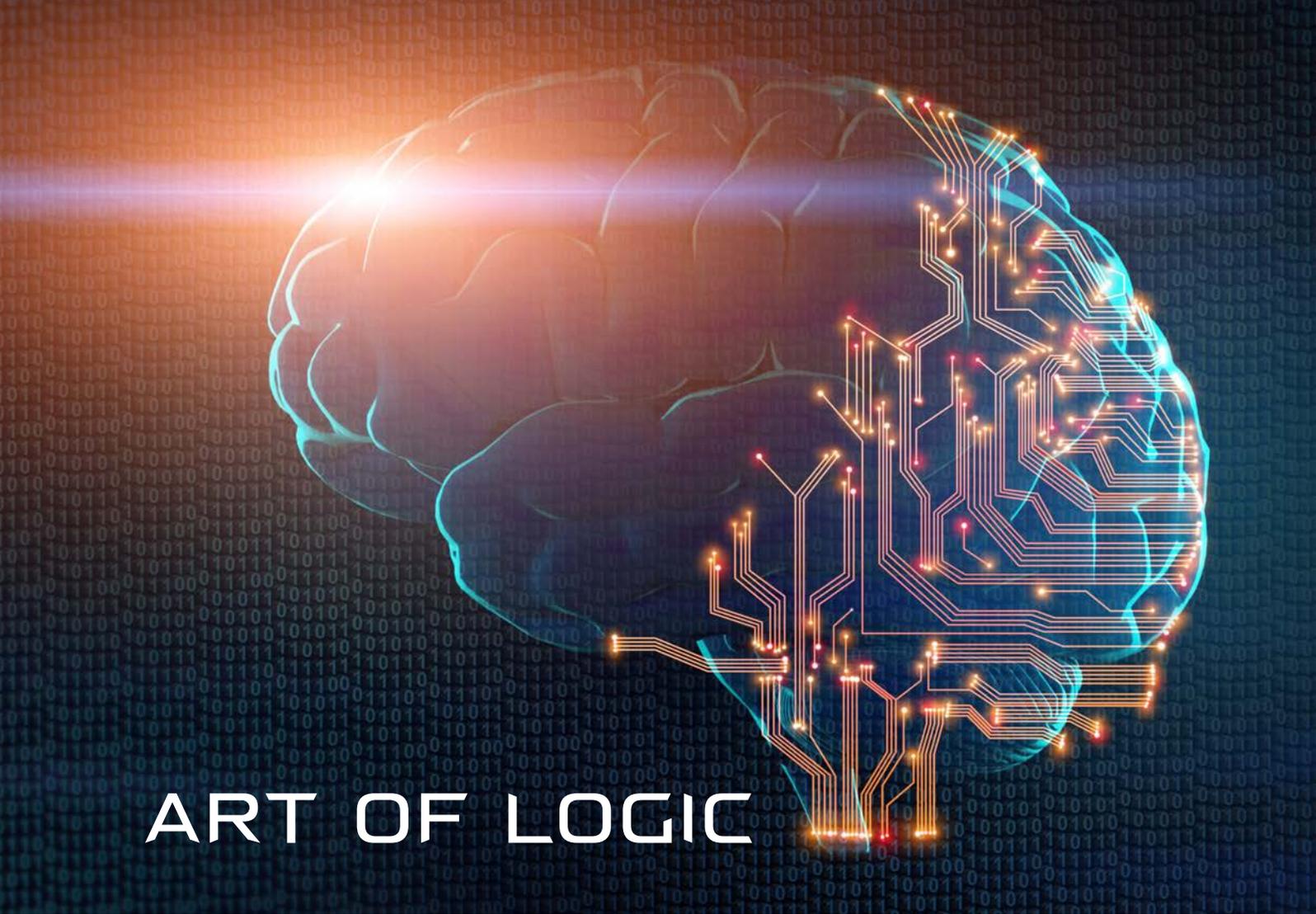
ART OF LOGIC
ENABLING LOGICAL AWARENESS.

Art of Logic leverages the latest Computer Vision and Analytic Technologies to enable smart solutions to solve critical business outcomes.

 Adelaide SA & Sydney NSW  sales@artoflogitech.com

 1300 300 123

 www.artoflogic.ai

A stylized human brain is shown in profile, facing right. The brain is rendered in a semi-transparent, glowing blue and orange color. Overlaid on the brain is a complex network of glowing circuitry and lines, resembling a computer chip or neural network. The background is dark blue with a pattern of binary code (0s and 1s) in a lighter blue color. A bright light flare is visible on the left side of the brain.

ART OF LOGIC

ABOUT US

Art of Logic leverages the latest Computer Vision and Machine Learning to enable smart solutions to solve critical business outcomes.

Enabling solutions which, See, Identify, Think & Act.

We are a dedicated team with Software and Hardware engineers as our core, we are able to deliver technology in a way that is beyond our imagination as individuals, but together, as a team, we realise our full potential to generate world first deployments in Australia, utilising Nx Witness VMS.

Built as a Research & Development company, our legacy knowledge and experience is the reason we are able to expand our software repository to assist industries with more viable solutions. With in house development capability, our AOL Samurai Detect, Count, Face & Vehicle technology developed within Nx Witness VMS substrate, can be utilised to help create actionable data and extract meaningful insights to uncover opportunities for improvement and innovation across the Local Government Areas, Health Care, Industrial and Retail Industries.

Our knowledge with Nx Witness VMS as one of the founding partners, allows us to develop technology that are world firsts which can be relied upon to make informed decisions no matter how complex the market or conditions are. We thrive on being able to provide System Integrators accurate data and creating viable solutions to customers around the world.

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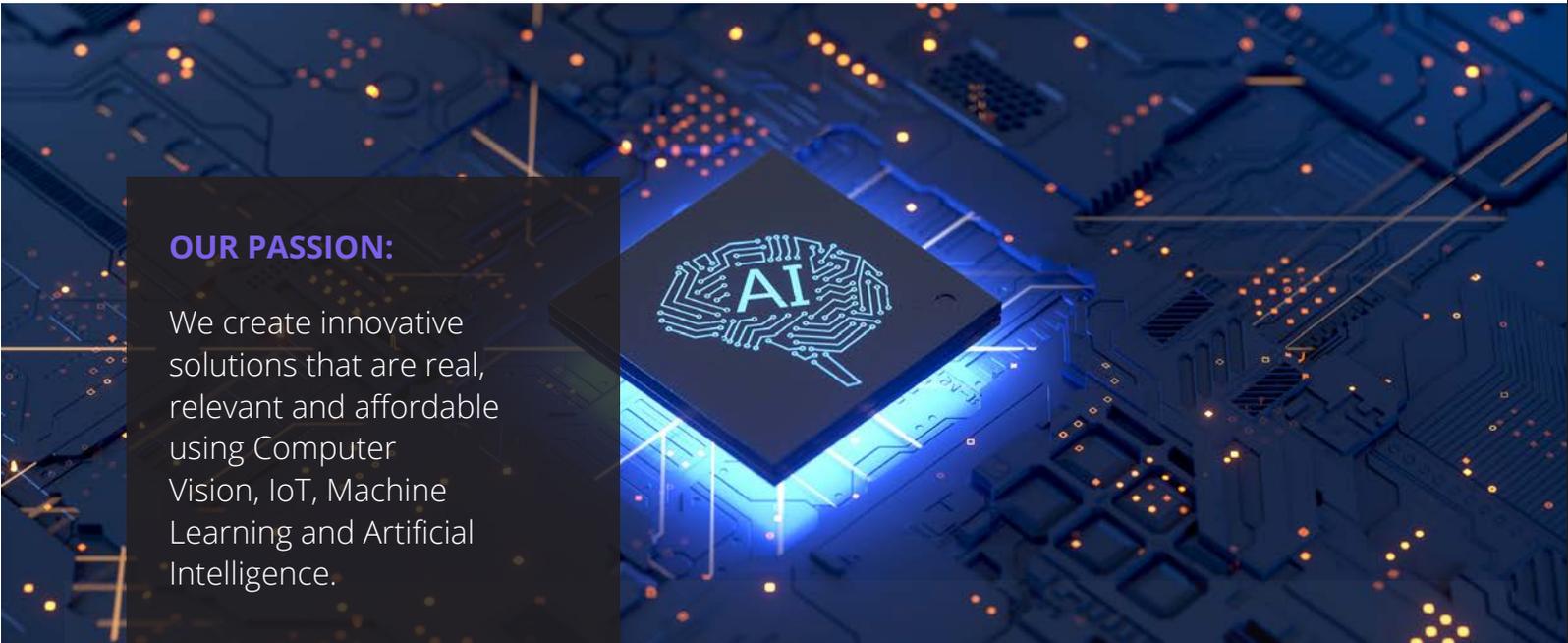


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CAPABILITY STATEMENT



OUR PASSION:

We create innovative solutions that are real, relevant and affordable using Computer Vision, IoT, Machine Learning and Artificial Intelligence.

The core goal of Artificial Intelligence (AI) is to create a technological ecosystem that is able to learn for itself and adapt to a given situation, becoming more proficient at its task as it does. In applying AI to Computer Vision, a camera acts as a powerful data input sensor, providing the foundational data sets that enable the AI to be trained within parameters. All of this is then harnessed to identify specific objects that it has been trained to recognize, and then act within set guidelines to respond and produce a desired outcome.

Computer Vision provides the intelligence of the technology. Depending on the given operational scenario the way in which the AI and computer vision can be applied can vary significantly. As such, the consistency we provide throughout these changing environments is derived from the core component of computer vision, through image processing in combination with smart logic to achieve an end goal that meets the 'problem to solve'.

Computer Vision AI has a wide variety of applications across many industries, and we have a great deal of experience implementing it into Local Government Areas, Retail, Health Care and Industrial verticals. Each industry has its own challenges that must be approached in a unique fashion to properly utilise software solutions, leveraging the power of video as our primary sensor input. The significantly advanced capabilities of AI to analyse and interpret images allows us define and assess key objects in frame and apply this understanding in creative ways to create intelligent business outcomes.



ART OF LOGIC

SAMURAI

Discover Art of Logic's Samurai Software. Designed for use with Nx Witness VMS.

The perfect fusion of aesthetics, combat readiness and technical perfection was a key component of the Samurai warrior culture, and we have captured these qualities in our software. AOL Samurai Face, Detect, Count & Vehicle technology developed within Nx Witness VMS substrate, creates the ability to have real time replay of actionable data combined with the ability to visualize the insights from a specifically tuned dashboard of metrics, this allows the opportunities for improvement and innovation across the Local Government Areas, Health Care, Industrial and Retail Industries.



AOL SAMURAI DETECT

AOL Samurai Detect is an intelligent, agile, and a scalable solution for real-time video and image analysis. Our software allows you to easily extract valuable meta data from videos or images and use it within your applications like advanced attribute smart search, enabling different analytic plugins, real-time targeted notifications and powerful customisation of events that can be triggered via user defined selection criteria.



AOL SAMURAI FACE

AOL Samurai Face is a scalable and intelligent solution to detect, recognise and count (optional) human identities across your network. An integration with Nx Witness VMS allows notifications in real time when the added identities are detected. On top of this AOL Samurai Face provides accurate customer-base statistics with People Counting and Demographic analytics.



AOL SAMURAI COUNT

AOL Samurai Count provides state of the art People Counting solution that is a modular, scalable software platform, for accurate and reliable people tracking. Compatible with existing camera hardware, AOL Samurai Count is an accurate alternative to legacy counting solutions, enabling you to analyse customer volume, making data-driven decisions and increasing revenue and cross reference against a known AOL Samurai Face Database.



AOL SAMURAI VEHICLE

AOL Samurai Vehicle is a scalable solution which enables accurate vehicle recognition outcomes. A CCTV video stream is processed through an advanced algorithm, leveraging Plate Recognizer (3rd party solution), to determine not just the make, model, type, and colour of a vehicle but the license plate number as well. An integration with NX Witness VMS allows for advanced search functionality using any, all or partial attributes from the analytic process and utilising the same technology, AOL Samurai Vehicle can derive vehicle count and average stay in and out of any environment which can be visualised in a visual dashboard.



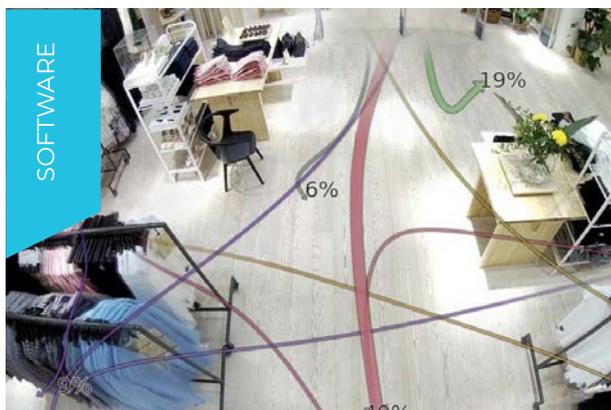
HEAT & PATH MAPPING

See when your stores are busiest and optimize staffing to match your traffic with the needs of your customers. Simply check up-to-the-minute snapshots of your stores to cut down on auditing costs and maintain the perfect store experience. Instantly fix misplaced end caps, sales-floor debris, burnt-out light fixtures, or late openings.



DWELL TIME & QUEUE TIME

Don't waste your budget on promotions your customers won't see. With Video Analytics, you can optimise your rollouts and campaigns based on customer data you can't get anywhere else. Use store and department traffic data by the hour, day, and week to time your marketing rollouts. Measure product engagement to pinpoint hot products and perfect your campaigns. Plus, never wait for market insight — get every answer you need in real-time.



END CAP MONITORING

Visual access brings the full store environment online, giving merchandisers the tools they need to understand and manage everything from shelf-level displays to floor layouts. Inventory checks and audits can be performed in an instant, remotely, at a fraction of their on-site cost. Additionally, A/B test every display with department-level traffic counting and customer analytics.



DASHBOARD

Test every window display with walk-by metrics, and use Pathmaps to understand how customers move around your store. Maximize experience-per-square-foot with Heatmaps that summarize which displays get the most attention and which areas don't see as much traffic. Improve flow and increase sales by understanding how customers really experience your store designs. Easily compare multi-location report data using user-friendly dashboard.

SAMURAI MONITORING

Art of Logic’s new real time monitoring platform for Nx Witness v5.0 CCTV integration allows your facility to gain real-time access to your data via your internet browser. With alert response times and performance statistics, displaying logs of all reports that have been sent and an historical view of who and where the alert was sent to. Reports can then be exported as a PDF and/or Microsoft Excel file.

- Overview of camera health
- Display of how many sites are online
- Display of how many servers are online and their full health status
- Display of cameras that are online/offline
- Software updates and upgrades to ensure systems are performing at optimal efficiency
- Replacement schedules to ensure maximum benefit from manufacturer warranties



Network Optix (Nx Witness VMS) has been an integral partner for Art of Logic in the design and development of our innovative analytics platform. Nx Witness VMS platform provides an open source and open architecture framework that allows Art of Logic’s Engineers to create and deploy custom analytics on top of a safe, secure substrate of video.

Nx Witness VMS is a lightning fast, easy to use, cross-platform IP video management system (VMS) / video surveillance software designed to discover, view, record, and manage IP video cameras so you can monitor, analyse and react to critical events in real time.



NX STARTER PACK LICENSES

Nx Starter Pack License comes with 4 x licenses for trial and evaluation purposes only - unable to be merged with other Nx Licensed instances, and additional cameras require single camera licenses.



NX PRO LICENSES

Professional recording licence enables recording of captured video at one channel per camera



ANT 2.5 MICRO SERVER

AOL Ant Micro Server 2.5" is an ARM Core Embedded processing system, measuring 145.5 (L) x 84.5 (W) x 29 (H) mm. Running Nx Server only.

This powerful, low-cost video analytics server is ideal small to medium businesses. Each Ant server with its little/BIG core CPU can process up to six camera streams simultaneously making it easier than ever to either implement a reliable and cost effective surveillance system.



ANT 3.5 MICRO SERVER

AOL Ant Micro Server 3.5" is an ARM 6 Core Embedded processing system, measuring 213 (L) x 116 (W) x 55 (H) mm. Running Nx Server only.

This powerful, low-cost video analytics server is ideal small to medium businesses. Each Ant server with its little/BIG core CPU can process up to six camera streams simultaneously making it easier than ever to either implement a reliable and cost effective surveillance system.



MIGHTY ANT 3.5 MICRO SERVER & HAILO

Art of Logic is currently supercharging the 3.5 Ant with the use of an Hailo AI accelerator module, making it the MIGHTY ANT and increasing the capability of real time analytics alongside NX which will allow a more video streams and the ability to use the AoL Samurai suite of products on the Mighty Ant. The 3.5" is measuring 213 (L) x 116 (W) x 55 (H) mm.

This powerful, cost-effective video analytics server is ideal for many implementations and has been quite widely aggregated into small to medium businesses.



XAIVER GPU

AOL Xaiver is an Edge Ai Server that employs the NVIDIA Jetson platform and has an Ubuntu Linux Operating system that runs on an architecture of ARM64. The AOL Xaiver has a much greater capability to perform edge computer Ai to any market, with 8 x 10/100 MbE with POE, up to 8 channels of object recognition and integrated with Nx Witness VMS.



ALL IN ONE POINT OF SALE SCREEN

AOL All-In-One, touch enabled Point of Sale Screen enables full commerce optimisation in multiple retail formats. Includes 1920 x 1080 15.6" TFT-LCD screen, an Intel Generation 11 (Tiger Lake) processor, and a 1080p fixed focus camera for smart VMS integration.

Our All-In-One Point of Sale screens are designed to suit a range of applications, and has an anti-glare coating, whilst a specially designed cable management system at the back of the screens conceals and manages all cables.



POINT OF SALE STANDARD SCREEN

AOL Point of Sale Standard Screen (available in portrait & landscape) come in 15.6" TFT-LCD 1920 x 1080 Standard Screen is touch enabled, integrated with full HD 1080p resolution, a facial recognition (capable) camera, and easy integration with your existing video management platform, providing unmatched capability for retail operations.

Our POS Standard Screen was designed to suit a range of applications, it has an anti-glare coating and is available in both landscape and portrait with the camera reposition to suit, whilst a specially designed cable management system at the back of the screens conceals and manages all cables.



EUROPA MICROSERVER

Art of Logic's Europa is intended for an expeditious implementation into any environment boasting 4/5G, 6GB RAM, 8 CPU cores, Hailo GPU and 1TB of onboard SSD, GB Ethernet, 2 Audio channel, 2 Video inputs (however more through Ethernet), GPS and accelerometer, GPIO. This device is designed to carry NX VMS and utilise the Hailo GPU for machine learning/AI on all inputs and at an external size of 70x70x50mm and a power utilisation of under 10W, this is a masterpiece of technology.



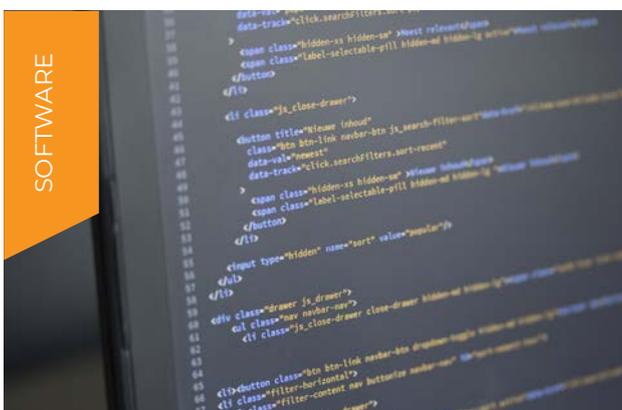
IRYX

There's more that meets the eye (or the lens), when it comes to the Owl camera. A sensor fusion and edge-based AI platform that iryx designed to do it all. The multi-spectral visible imaging device is capable of detecting people, faces, 80 object recognition library, including multiple vehicle types and thermal imaging. What's even more incredible is that it does all this without the need of a server as ALL of it is within the device itself.

SOFTWARE & HARDWARE MATRIX	NX WITNESS VMS	SAMURAI DETECT	SAMURAI VEHICLE	SAMURAI FACE	SAMURAI COUNT	PRISM	SMART FACE	CORSIGHT (FACE)	SAFR (FACE)	LUNA	SAMURAI MONITORING
2.5" ANT MICRO SERVER	✓	✓									✓
3.5" ANT MICRO SERVER	✓	✓			✓ **						✓
3.5" ANT MICRO SERVER + HAILO	✓	✓	✓ **	✓ **	✓ **				✓ **		✓
IRYX	✓	✓					✓	✓	✓		✓
XAIVER GPU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ALL-IN-ONE POINT OF SALE SCREEN	✓ *	✓ *		✓ *	✓ *		✓		✓	✓	✓
EUROPA	✓	✓	✓	✓	✓	✓			✓ **		✓
NX WITNESS VMS	✓	✓	✓	✓	✓	✓ **	✓	✓	✓	✓	✓
CUSTOM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*Device acts as a camera feed processing, server is required.

** 2023 Release



SOFTWARE DEVELOPMENT

Art of Logic engineers have the ability to create bespoke software packages and integrations, leveraging computer vision and machine learning solutions, for your unique requirements.

Contact us today to discuss your next project.



DISTRIBUTION PARTNERS

Art of Logic is proud distributors of both Hanwha & Dell products. For all projects, please get in touch.

COMMUNITY SOLUTION

Crime Prevention & Increasing Public Safety Using Machine Learning & AI

APPLICATION:

Our Community Solution allows Local Government to tackle their day-to-day issues with a comprehensive intelligence solution that improves public safety and curbing anti-social behaviour.

CHALLENGES:

Live data and real-time insights are critical for local governments. As cities grow and become more densely populated, the need for public spaces to be safe, accessible, and clean, becomes increasingly important.

Public spaces are rapidly becoming centres of commerce, with many businesses operating within them. This creates a need for accurate information about the state of public spaces, so that local governments can operate effectively and ensure that citizens have access to clean, safe places where they can shop and work.

SOLUTIONS:

AOL utilise Machine Learning, Computer Vision and Artificial Intelligence to help you create safer, cleaner, more efficient streets. Our solutions work by using Machine Learning and Computer Vision to capture images and then processing that image to identify objects like people or vehicles. This allows us to provide you with data about what is happening on your streets. We can use this data to provide insights into traffic flow, pedestrian activity and even pollution levels in different areas of your city. This helps you plan for future infrastructure projects or make changes to existing ones based on the needs of your citizens.

SAMURAI COUNT

- Real-time monitoring of pedestrian traffic in any area, as well as the number of people in any given space

ANIMAL DETECTION

- Determine the number of dogs in your local park, the number of dogs that are unleashed without a human in attendance.
- Monitor the most popular times of day local dog park and make sure that there are enough amenities available.

SAMURAI VEHICLE:

- Track by colour, make, model, body type and plate.
- Using the new NX platform, all of this is searchable and faster than ever before.
- Using the same technology, we can also derive vehicle count in and out of any environment.
- Advise the frequency we have detected any vehicle.
- Using logic, we can derive "average stay" with in the LGA.

BAGS:

- Determine bags/backpacks left behind with real-time notifications.

COMMUNITY SOLUTION

PUBLIC LOITERING:

- React on prolonged lingering in specified areas.
- Detect suspicious activity near the perimeter.

JET SKIS/BOATS:

- Monitor the distance between foreshore and water vessels and minimise accidents by capturing their licence plates in real-time.
- Identify a boat that is within a safe distance from the shoreline and ignore boats that are at least 100 meters away.

BICYCLE:

- Real-time, accurate count of the number of bicycles in your area.
- Combine this data with other information, including weather conditions and the time of day, to ensure that you have enough safety measures in place to protect cyclists.

ILLEGAL DUMPING DETECT

- Detect and act on unwanted behaviour in real-time.
- Detect illegal dumping and people dwelling in unwanted specified zones.

TRASH CANS:

- Reduces collection frequency by effectively increasing bin capacity
- Smart waste collection planning using secure real-time data to optimise resource allocation
- Lowers waste collection operation costs by up to 90%
- Saves on operational costs such as labour, vehicle & overtime.

AREAS OF INTEREST

- **BBQ, PUBLIC AMENITIES, SWING SET**
- Track and monitor the number of times public space was utilised.
- Determine when the public space was last cleaned

RENEWABLE ENERGY SOLUTION

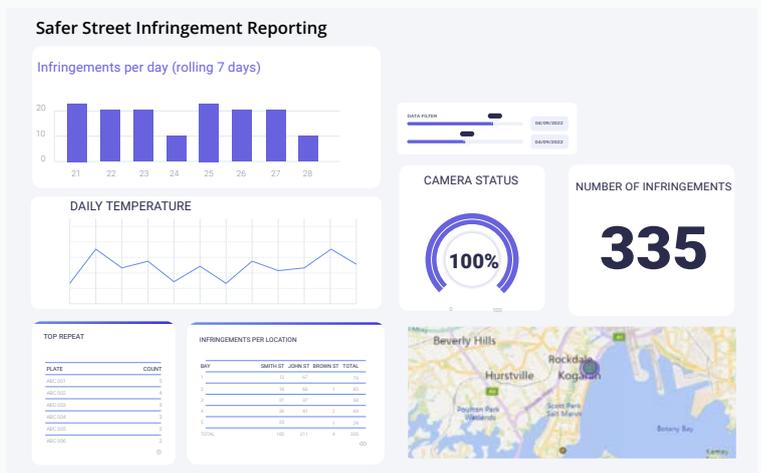
Renewable energy has been a constant promise to protect the environment, as well as providing a rapid, cost effective and scalable solution for businesses. We tailor our solutions to meet the needs of our clients by working in collaboration with business partners to give them a turn-key solution. Our Renewable Energy Solution combines the benefits of wind and solar energy, addressing the power consumption of a CCTV Security System whilst also providing sustainable way to provide a strong and aesthetically pleasing visual statement while providing greater energy security.



DASHBOARD MONITORING

Councils have the ability to feed the data into their own BI tools (i.e. Power BI) to make real time decisions and forward plan on how to best serve their residents. Councils have implemented this dashboard to assist with classifying related data sets eg; the object is a white sedan, that is parked illegally and is the same vehicle that has also offended in three other streets in the last month. The AOL Development team has enabled this meta data with these metrics hardcoded which enables consistent alerts via Nx Witness VMS.

Based on the data, Council's can predict future trends to ensure that plans are robust enough for their predicted growth.



RETAIL SOLUTION

Our analytics provide business intelligence as well as the ability to be used for proactive alerting

APPLICATION:

Our Retail Solution allows business owners to maximize operational efficiency, enhance overall customer experience, improve ease of access and safety, and deliver measurable returns on investments.



CHALLENGES:

The retail industry is changing rapidly, and brick-and-mortar stores are struggling to keep up with online shopping. As a result, retailers are facing a lot of pressure to ensure product placements are in optimised positions whilst ensuring they are minimising shoplifting.

SOLUTIONS:

Our Retail analytics suite empowers you with customer intelligence that helps you to really understand your customers. Through computer vision, Art of Logic unlocks valuable information from video that can be immediately understood, shared, and acted upon.

Camera optics such as 360 hemispherical cameras gives us the ability to capture the entire stores footprint. Whilst this is beneficial from a security perspective, it unlocks a new world of analytic possibilities

AOL SAMURAI FACE

- Recognise and engage repeat customers, ultimately even find persons of interest faster when investigating cases of fraud and or robbery.

AOL SAMURAI COUNT

- Know precisely the traffic through your store and understand customer movement, product interaction and crowd size. Our system removes staff ingress from the count, and allows you to ignore under a certain age.

HEAT & PATH MAPPING

- Identify the most, and least, popular areas of a stores area. Pinpoint new areas for revenue generation or store alterations. Pair with marketing data to understand if the message is being heard but not translating to increased purchase.

DWELL TIME & QUEUE TIME

- Gain comprehensive data on how long are visitors interacting with a display, dwelling at a service counter or self-serve kiosks. Use for roster optimisation.

RETAIL SOLUTION

END CAP MONITORING

- From the moment a customer enters the store, to the moment they leave, every aspect of their interaction within the store is an indication of their intent, decision making process, and overall mission.
- Customer movement is gathered in the form of raw data, including how long it takes for a customer to reach an end cap, how much time the customer spends at the end cap, their engagement with the end cap, the bounce rate, and the ability to perform A/B testing on live store layouts. We have the ability to convert this raw data into useful information to determine proper strategies to enable quick actions for retail optimisation.

ALL IN ONE POINT OF SALE SCREEN

- Our POS Screens are an incredibly capable as a tool for your business needs. Not only are they touch screen, but have a full HD display with 1080 P resolution. The integrated facial recognition (capable) camera and the ability to link to your video management platform means that our POS Screens provide unmatched capability. Our POS Screens were designed to suit a range of applications, with an anti glare coating and available in both landscape and portrait with the camera reposition to suit, whilst specially designed cable management systems at the back of the screens conceal and manage all cables.

VIDEO ANALYTICS BENEFITS

- Accurate, timely and insightful data
- Comprehensive view of unique & repeat visitors
- Monitor facility occupancy
- Customisable reporting
- Real-time dashboards
- Improve your daily operations
- Understand the entire customer journey
- Manage large crowds around areas with high-value items
- Provide deterrent to would-be thieves or vandals
- Determine success of your shop layout

DASHBOARD MONITORING

Art of Logic's new real time monitoring platform for Nx Witness v5.0 CCTV integration allows your facility to gain real-time access to your data via your internet browser, With alert response times and performance statistics, displaying logs of all reports that have been sent and an historical view of who and where the alert was sent to. Reports can then be exported as a PDF and/or Microsoft Excel file.

- Overview of camera health
- Display of how many sites are online
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- Display of cameras that are online/offline
- Software updates and upgrades to ensure systems are performing at optimal efficiency
- Replacement schedules to ensure maximum benefit from manufacturer warranties



HEALTH SOLUTION

Real time monitoring & reporting ensuring your staff and residents are safe at all times.

APPLICATION:

Our Health Solution is used to identify patterns in data, which over time can be used to predict future events, allowing users to mitigate potential problems within your facility before they occur.



CHALLENGES:

Art of Logic provides passive monitoring which means we are not intrusive and our solutions provide care and insurance. We have a solution for healthcare, independent living, aged care facilities and palliative care. Managers can monitor staff performance, help prevent abuse of residents, provide passive monitoring to alert falls events, observe dementia patient locations, protect stock, facilities and easily investigate incidents.

SOLUTIONS:

As technology has evolved, it is now possible to view video from multiple sites at once. Our visual management system (VMS) Nx Witness has the ability to handle complex video network management needs and can be the platform for over the top (OTT) services, such as integration into nurse call systems, access control systems and video analytics to detect patients or residents who require assistance or may be lost/disoriented. Through highly integrated technology, Nx Witness VMS gives you access to live data no matter where you are and what you work on. Easily control multiple surveillance sites in one single location with this powerful system.

AOL SAMURAI FACE

- Face Recognition system learns the faces of your staff, your residents and anyone else you wish to add to the system i.e. family members. This allows for movement between wards to be either unimpeded or restricted based on their level of accessibility at the site ensuring higher levels of efficiency, and security, simultaneously. If a high risk resident approaches the door unaccompanied and/or dwells there for a prolonged period of time, a notification is sent to the nurse's station immediately.

AOL SAMURAI DETECT

- We enable caregiving staff to be more efficient with their work and increase the quality of care they deliver. We can detect such items as, humans, wheelchairs, walking frames as detection through out the premises. The system highlights activity as it happens and enables the staff to see who is attending each resident room in their corridor at any given time, and allows them to prioritize who they visit next based on urgency.

HEALTH SOLUTION

HEAT MAP & PATH MAP

- Video analytics can be used to identify common paths throughout a facility allowing for understanding of site traffic, paths of movement, areas of obstruction and identification of high-traffic areas/times that could allow for improvements in floor plan and site design that can allow staff to increase movement efficiency or identify high risk areas that could cause falls. Video analytics can arm staff with knowledge and encourage them to increase their presence in these areas, providing a measurable decrease in the likelihood of fall-related injuries and accidents, or tend to patients quickly and effectively.

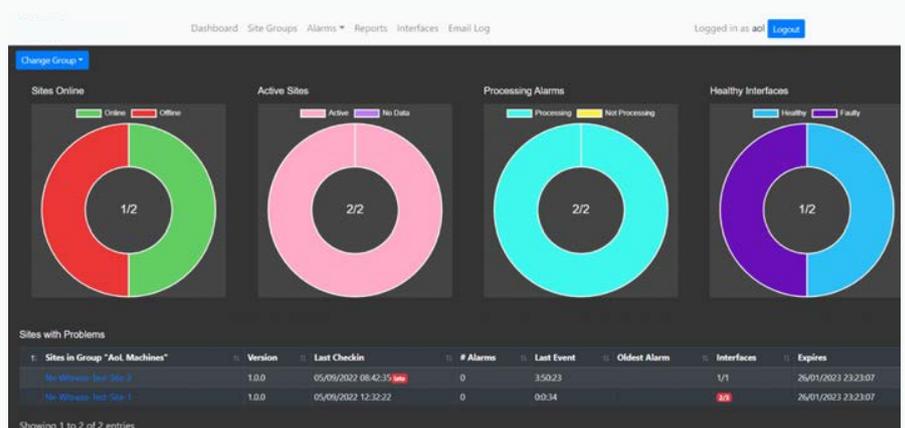
THERMAL CAMERAS:

- Thermal cameras in health care facilities have been designed to protect staff, as well as keep residents private and comfortable. Health care facilities are turning to thermal cameras as a means of detecting a person who has fallen or injured themselves rather than a traditional visual images. The cameras adapt infrared technology and are calibrated to highlight hot spots on a person's body rather than provide a detailed image.

DASHBOARD MONITORING

Art of Logic's new real time monitoring platform for Nx Witness v5.0 CCTV integration allows your facility to gain real-time access to your data via your internet browser, With alert response times and performance statistics, displaying logs of all reports that have been sent and an historical view of who and where the alert was sent to. Reports can then be exported as a PDF and/or Microsoft Excel file.

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AOL SAMURAI COUNT

- People Count is ideal for aged care facilities to ensure staff, visitors and patients are accounted for. Use the system to automatically count people as they walk in and out of doors, or get alerts when there is any movement detected. People Count also gives around-the-clock peace of mind, allowing you to see when staff do their rounds or if a patient has wandered outside.

DRUG CABINET & SENSITIVE AREA ATTENDANCE

- Government regulations around accessing sensitive drug cabinets stipulates that two users must be present in the proximity of a drug cabinet at any one time. Our technology allows us to detect when the cabinet is open and, utilising Machine Learning algorithms, we can detect how many persons are/were present at the opening of the drug cabinet. This system can also be programmed to alert management in real time if protocols are not followed.

INDUSTRIAL SOLUTION

Our Industrial solutions streamline and enhance efficiency of all operations.

APPLICATION:

Our Industrial Solution streamline and enhance efficiency of all operations. Not only will the solutions minimise time and labour costs, but they also generate valuable analytics to continually improve logistics and warehousing efficiencies.



CHALLENGES:

The construction industry is a hazardous industry - with high on-site incident rates and many incidents occurring as a result of dynamic and insecure workplace practices involving staff and equipment. Computer Vision and AI can be applied to these practices to process images and videos captured on construction sites, which can be used to monitor on-site safety and identify and prevent potential incidents before they occur.

SOLUTIONS:

Art of Logic develops AI powered technology to deliver comprehensive solutions for some of the largest distribution companies in Australia. Our technology is predominantly based around safety, and will enable your organisation to streamline and enhance the efficiency of operations and ensure the safety of your staff.

AOL SAMURAI DETECT DANGER ZONE DETECTION

- AOL Samurai Detect can be tailored to detect people walking outside of designated walkways, and to detect forklifts operating near humans. These detections can then be tailored to send an alert through to your Nx VMS Platform, send an email/alert to your handheld device, and be sent to your centralised dashboard to monitor site safety.

AOL SAMURAI FACE ACCESS CONTROL

- Facial recognition plays a pivotal role in understanding individuals that inhabit any environment. AOL Samurai Face technology connects to a highly-secure database of enrolled individuals, identifying employees, registered visitors, contractors, and 'high risk' people, whilst giving the system the ability to send alerts to management if required

AOL SAMURAI DETECT PPE DETECTION

- In dangerous working environments, it is critical to reinforce safety protocols by automating the detection and inspection of protective equipment, such as hard-hats and hi-vis vests.
- Our AOL Samurai Detect has embedded AI algorithm capabilities that can distinguish what a person wearing a hard-hat or safety vest would look like. This algorithm is then applied while scanning the environment, quickly identifying if anyone is working on-site without a hard-hat or safety vest, and alerting management so that action can be taken. An alert can also be sent to the on-site speaker to remind workers of the safety rules.

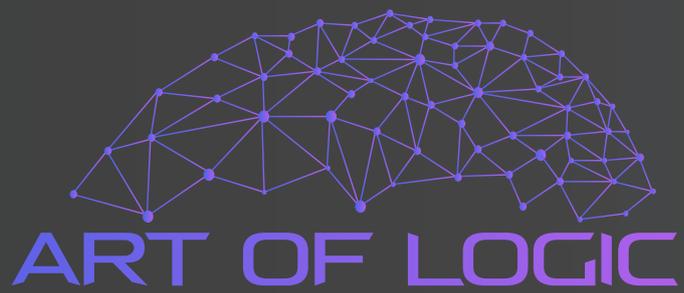
OUR PARTNERS

We work with world class partners:



PLATE RECOGNIZER





ART OF LOGIC



R&D SPECIALISTS IN COMPUTER VISION

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