

30 October 2025

ASX ANNOUNCEMENT – ANNUAL GENERAL MEETING PRESENTATIONS

In accordance with the ASX Listing Rules, the Chairman's and CEO addresses and presentations to the 2025 Annual General Meeting ("AGM"), are appended.

This announcement has been approved for release by the Board of Directors.

Kim Larkin

Company Secretary

Ph: 0448 690 364

About Ava Risk Group

Ava Risk Group is a global leader in providing technologies and services to protect critical and high value assets and infrastructure. It operates three business segments – Detect, Access and Illuminate. The Detect segment manufactures and markets 'smart' fibre optic sensing systems for security and condition monitoring for a range of applications including perimeters, pipelines, conveyors, power cables and data networks. Access is a specialist in the development, manufacture and supply of high security biometric readers, security access control and electronic locking products. Illumination specialises in the development and manufacture of illuminators, ANPR cameras and perimeter detectors. Ava Risk Group products and services are trusted by some of the most security conscious commercial, industrial, military and government clients in the world. www.avariskgroup.com

CHAIRMAN'S ADDRESS

I will start by updating shareholders on the progress made during FY2025 in positioning our Company as a global leader in sensing and risk management technology. The Group CEO Mal Maginnis will then provide further insight on the Company's performance and our plan to grow revenue and earnings.

Technology is at the core of our growth strategy. Our Detect segment performed strongly, underpinned by further investment in Aura Ai-X — our market-leading fibre optic sensing solution. We expanded Aura Ai-X's applications to serve the telecommunications sector and developed solutions for shorter perimeter deployments in our traditional detection market. A highlight was the successful deployment of Aura Ai-X to a Telstra subsea cable in Q4 FY25, demonstrating the significant opportunities in telecommunications, a key driver of future growth.

Financially, the Company delivered a strong first half, with revenue growth of 20%. The second half was impacted by the deferral of several major Detect segment orders into FY2026. Overall, total revenue of \$31.7 million grew 5% year-on-year, driven by 15% growth in Detect, which benefited from the fulfilment of a significant backlog order from the prior year.

EBITDA improved materially to \$2.1 million, compared with a \$0.9 million loss in FY2024. This reflects our strong gross margins and a lean, stable cost base following completion of major investments in commercial capability and technology. As revenues grow, we expect EBITDA margins to improve further, leveraging our fixed cost and technology base.

An impairment charge of \$5.6 million was recognised in FY2025, representing the remaining goodwill in the Illuminate segment. While this reflects a more conservative revenue outlook, we remain confident in Illuminate's complementary role to Detect and its potential in new markets.

We entered the new financial year with a sales order backlog of \$6.4 million. This represents orders which have been received but are yet to be completed and includes contracts for annual recurring revenue of \$2.6 million. Growing annual recurring revenue remains a priority and is a key feature of our product offering for Aura Ai-X.

Importantly the Company was cash flow positive in FY2025 and will be able to generate cash as revenues grow.

FY2026 will be pivotal in accelerating revenue growth. We have built a market-leading technology platform, strengthened our commercial capabilities, developed a robust sales pipeline, and secured strong partners in key markets and industry verticals. We have a stable cost base and catalysts for growth exist in each of our segment. Our priorities are to:

- Increase sales order intake, particularly in strategic industry sectors and partners;
- Grow sales order backlog, including recurring revenues;
- Maintain gross margins of 60–65%; and
- Continue targeted investment in technology to extend our market leadership.

The Board remains committed to building a world-class technology business and look forward to updating on progress through FY2026.

CHIEF EXECUTIVE OFFICER'S ADDRESS

We have organized the business into three operating segments which align our technology and products with customer solutions. We continue to invest in the technology which supports each segment, and I am confident that our technology remains market leading.

In particular, Aura Ai-X is our market leading fibre optic sensing product that has achieved significant customer uptake since its launch in March 2023. Since this launch we have extended the product range by offering a shorter-range model Aura Ai-XS, a buried model Aura Ai-XSB, and L Band version Aura Ai-XLBand and a new Phase unit, Aura Ai-XPhase. These have all been built and released and successfully sold in under 2 years. We continue to sell multi-year subscriptions as part of our offering for Aura Ai-X as demonstrated by the growth in contracted annual recurring revenue.

In the Illuminate segment, we launched the LoRa wireless connection solution during FY2025, which can connect up to 500 devices without the need for data cables. We are also providing integration support to our distribution partners including Digital Watchdog, carrier, Bosch and others to broaden the product acceptance in the market.

In Access, the dormakaba global framework agreement remains critical to the growth of this segment. Revenue in the Access segment declined by 26% in FY2025, reflecting a lack of repeat dormakaba stocking orders, as the initial order in the previous year worked through the supply chain. However, the market remained above budget in Australia which remains a broad-based sector with over 50% of the revenue in Access. Our focus remains on driving volume through this important channel partner in Europe, Australia and the U.S., and we remain confident that dormakaba is the right partner to return Access to growth.

The technology supporting each segment is unique to the segment but is also complementary in terms of its application. We sell each technology individually, and we can also integrate in a more holistic solution. The diagram depicts the deployment of our technology to an airport. The airport sector coupled with railway and metro transportation are two emerging major markets focussed on our fibre solution as the key technology. Our fibre optic detection products provide perimeter detection capability and critical infrastructure protection, our Access products can manage staff access to restricted areas, and our Illuminate products can secure critical assets and buildings within the facility.

The key aspect of this slide is the commercial impact of turning passive objects – fences, walls, ditches etc – into live 24/7 sensors. This is combined across all three divisions, although the biggest impact is clearly in Detect and Illuminate. I will speak later in the market sectors about the impact of this sensing beyond security and sensing using in-place critical infrastructure.

Future revenue growth is supported by our sales opportunity pipeline in the Detect segment. Our current pipeline with expected close dates in FY2026 is around A\$85 million, excluding any opportunities in the telecommunications sector.

We assess our pipeline between “High Probability” opportunities, “In Progress”, and “Early Stage”.

High Probability represents prospects that we expect to win based on customer feedback and the maturity of the opportunity. Generally, the only thing being finalised is the timing of a confirmed order. In Progress represents opportunities that have come to market and are being actively bid. We need to proactively manage the timing and win rate for these opportunities. As the name suggests, Early Stage represent opportunities that we are aware will come to market but have not yet done so or are in their infancy. Our key focus on these opportunities is to ensure that relevant specifications and tender requirements are consistent with our technology.

The key challenge for the business is the timing of the major program orders. All large infrastructure programs show evidence of delay caused by external factors, budgets, trade restrictions, government shutdowns etc. This affects our ability to accurately forecast the dates of execution of orders. We have focussed on broadening our product offerings, enhancing our commercial team and increasing our recurring revenue to reduce the inherent lumpiness in a program business.

The sales opportunity pipeline is also now well balanced geographically with opportunities across all our key markets – APAC, Americas, Europe and the Middle East.

The pipeline is supported by our high-quality relationships with key partners. For a Company of our size, we are well positioned with high quality partners. These relationships are crucial to expanding our presence across various industry segments which I will discuss shortly.

Detect remains integral to the growth of the Company. Aura Ai-X was launched in March 2023 and has been extremely well received in the market. It includes an advanced deep learning module which improves performance by enabling the system to learn from data which it gathers as well as accessing our data library from multiple sites. This is the key offering for which customers are willing to subscribe to multi-year contracts. As we continue to grow the number of systems deployed, we also expect to grow the value of revenue covered by multi-year recurring revenue contracts.

We continue to invest in the Aura platform. We have developed a variant for use on smaller perimeters and infrastructure which enables us to compete effectively at a slightly lower price point than the longer perimeter systems. We also developed an application specific to the telecommunications sector which was deployed to a subsea cable operated by Telstra. Aura Ai-X has achieved Safety Integration Level 2 accreditation, a globally recognised safety certification within the rail sector which is a key enabler for further rail related opportunities both in Australia and internationally.

Aura Ai-X is extremely versatile in its application and has opened significant opportunities for us in multiple industry verticals.

I will discuss shortly the opportunities that we are pursuing across key industry verticals. Importantly these opportunities exist in multiple jurisdictions in which we operate:

- APAC – oil and gas sector, transport infrastructure;
- Americas – energy, corrections, government defence projects; and
- Europe / Middle East – border protection, transport infrastructure, oil and gas sector.

I'll now provide insight into some key opportunities.

Telecommunications remain a key focus for growth. Our relationship with Telstra has continued to develop and remains strong. It has also enabled introductions internationally, with other key telecommunication providers. Key milestones achieved in FY2025 include:

- Completed Aura Ai-X installation on a Telstra subsea cable in Q4 FY2025, with strong performance results.
- Expect further deployments across additional subsea infrastructure.
- Collaboration with Telstra has opened new opportunities with international telecommunication providers.

Sovereign Border Protection - We have seen a significant increase in client focus on sovereign borders both in protecting physical barriers such as fences and adding covert buried sensing systems. This has been supported by our success in eastern Europe, and we anticipate further growth in the next financial year. Actions to date include:

- Installed additional Aura Ai-X systems on a critical Eastern European border, including replacing competitor technology.
- Geopolitical events continue to elevate demand for advanced border security solutions.
- Pipeline includes further opportunities in Eastern Europe and new markets in the Middle East and Asia.

Airports as part of national critical infrastructure have attracted significant interest due to multiple international breaches of perimeters. Our focus on sensing to trigger other systems is being well received as part of a holistic approach to Detect and respond.

Actions in FY2025 included:

- Perimeter detection systems deployed at Dubai International Airport and a major North American airport during FY2025.
- Secured an additional order for a North African airport in Q1 FY2026.
- Secured follow on orders in Morocco for key Airports.
- Following a recent security breach in Australia, we are engaged to conduct commercial technology trials with regulators, and at least 4 major airports to demonstrate how Aura Ai-X can enhance perimeter security. This is also assisting in the international airport engagement in the US and APAC.

Oil & Gas sector – Oil and Gas remains a core business sector for us which includes major programs in PNG, Northern Australia, Dubai, Qatar, Turkey and the US. The mix of opportunities includes standard perimeter security, remote site security, and oil and gas pipelines. We see the pipeline in this sector as consistently strong across all geographies.

Rail Infrastructure - Transportation has seen the same increase in activity experienced in Airports. We expect further growth in the new financial year, our key activities during FY2025:

- Expanded our relationship with UGL Limited through further contract variations and began commissioning Aura Ai-X controllers for the Sydney Metro project.
- Achieved key certifications to detect intrusions and objects in rail corridors, positioning us for future wins.
- Awarded significant new contract with Siemens in another Metro extension in Q1 FY2026 for additional major Australian transport infrastructure project.
- Expanding our technology offerings to Metros in US, APAC and the Middle East.

Proof of Performance – we recently received outstanding feedback from clients on major events on a sovereign border and in preventing an escape from a major corrections facility. These demonstrate the efficacy of the solution and its effectiveness in preventing major security breaches and incidents.

We were delighted recently to have our core detection systems highlighted by UGL at the recent Rail Industry Safety and Standards Board and Australian Railway Association Innovation Awards. This recognition has been the result of an enormous effort on our first success in Sydney Metro coupled with follow on projects and orders. We see further growth opportunities in Metro and Transportation in our pipeline.

This morning, we released to the market a trading update of performance for the first quarter of FY2026. Performance during Q1 was solid with total sales order intake of \$9.0 million. We received the order from Siemens Australia for \$1.2 million which was carried over from the previous quarter and it was pleasingly to receive an order for further sovereign border protection in a new country, Latvia. Our sales order backlog is \$7.5 million which includes \$2.6 million of annual recurring revenue. The sales opportunity pipeline remains very strong and I expect to see further growth in sales order intake in Q2.

We have provided revenue guidance for H1 in the range of \$17.0 million to \$18.2 million, dependent on the timing and fulfilment of Detect project orders.

The focus in FY2026 is to accelerate revenue growth. After successfully consolidating the business in FY25, and showing an EBITDA turnaround of \$3.0m, I am confident we have the foundation for future growth. Given our business capability and technology investment, earnings growth will be driven by increased revenue leveraging a stable cost base.

Catalysts for revenue growth exist in each segment:

- **Detect:** Increase Aura Ai-X penetration in priority segments; target 20%+ revenue growth; pursue adjacent opportunities via partners.
- **Access:** Drive U.S. and European volumes through dormakaba's distribution network.
- **Illuminate:** Grow sales momentum from key distributors and explore integration with Detect solutions.

Gross margins are expected to remain stable at 60–65%, with targeted investment in sales, project management, and technical support as revenues grow. We anticipate EBITDA margins expanding to double digits in FY2026.

I look forward to updating you on our progress and delivering on the growth opportunities ahead.

END



DETECT • ACCESS • ILLUMINATE

Global leader in smart security and
sensing technologies

AVA RISK GROUP ANNUAL GENERAL MEETING

30 October 2025



CHAIRMAN'S ADDRESS

David Cronin

FY25 PROVIDES A STRONG FOUNDATION FOR GROWTH

- **Continued investment in our market leading technologies**, particularly Aura Ai-X with development of telecommunication and shorter perimeter applications.
- **Group revenue of \$31.7m**, up 5% on previous year driven by improved Detect performance (+17%).
- **Significant EBITDA growth** - strong gross margin and reduced operating costs demonstrate scalability of EBITDA margins.
- **Sales order intake of \$29.9m** and sales order backlog of \$6.4m to support growth in FY26.
- **Cash balance of \$5.6m on 30 June 2025** driven by cash generation of \$0.5m in FY25, Group well funded for growth.

\$31.7m

Total revenue / income up 5%

\$2.1m

EBITDA growth leveraging stable cost base and strong gross margin

\$6.4m

Sales order backlog deliver revenue in FY25

\$5.6m

Cash balance cash positive in FY25 and funded to deliver on projects

STRONG GROWTH CATALYSTS IN EACH SEGMENT

Developing sales pipeline in key industry verticals and growing recurring revenue base

DETECT

Aura Ai-X: Setting the Standard in Critical Infrastructure Protection

- The solution of choice for oil & gas, energy, aviation, transportation, corrections, and more
- First international border protected – global interest is rapidly growing.
- Developed three new technologies to support growth within traditional PIDS as well as adjacent applications
 - Aura Ai-XS for short range, and XSB for shallow buried applications – both powered by deep learning
 - Aura Ai-XLBand unit – first unit successfully deployed with Telstra
 - Aura Ai-XPhase to broaden opportunities in telecommunication sector
- SIL2 accredited, opening new opportunities in transportation and other industries while validating reliability and safety

ILLUMINATE

- Success with selling combined Illuminate and Detect solutions in educational facilities and corrections currently in N America
- LoRa achieving market position with Detect
- Expand product sales in North America and Asia Pacific via established channels

ACCESS

- Demand increasing for the YD30 locks via dormakaba's vast and quality distribution network
- Developed YG80B Bluetooth lock for gates, containers and roller doors
- More dormakaba countries now purchasing the lock through their main DC, expanding its global reach



CEO'S ADDRESS

Mal Maginnis

GLOBAL LEADER IN RISK MANAGEMENT TECHNOLOGIES

Protecting high value assets and critical infrastructure globally

DETECT

Fibre optic intrusion detection systems

- Perimeter intrusions
- Telecommunication networks
- Pipeline intrusion
- Condition monitoring
- Data network protection
- Products, services and recurring revenue model

ILLUMINATE

Security and intruder detection equipment

- Outdoor security sensors
- LoRa wireless system developed
- Surveillance solutions
- Video illuminators
- Camera analytics
- Off-the-shelf & custom products

ACCESS

High security access control technology

- Access control readers
- High security locking
- Custom encryption
- Biometric solutions
- Off-the-shelf & custom products.
- Highly encrypted for security conscious end users.

➔ **World-leading portfolio of complementary premium solutions and technologies**

➔ **Trusted by some of the world's most discerning security conscious customers** – commercial, industrial, military and government sectors

➔ **Strong competitive position** underpinned by Ava's IP, OEM and distribution relationships, and wealth of data for machine learning

➔ **Flexible commercial models** with growing recurring revenues

SENSING BEYOND SECURITY

Building on success in existing deployments in multiple infrastructure types

USE OF SOLUTIONS FOR SENSING APPLICATIONS

- Identifying and responding to a threat at the perimeter, or within a facility.
- Managing personnel access to restricted areas.
- Securing critical assets and buildings.

AVA RISK GROUP'S SOLUTIONS

DETECT

- Borders, Perimeters, Critical Infrastructure.
- Data investigation on patterns of intrusion.
- Data generation and analytics using existing fibre networks targeting telecommunications sector.

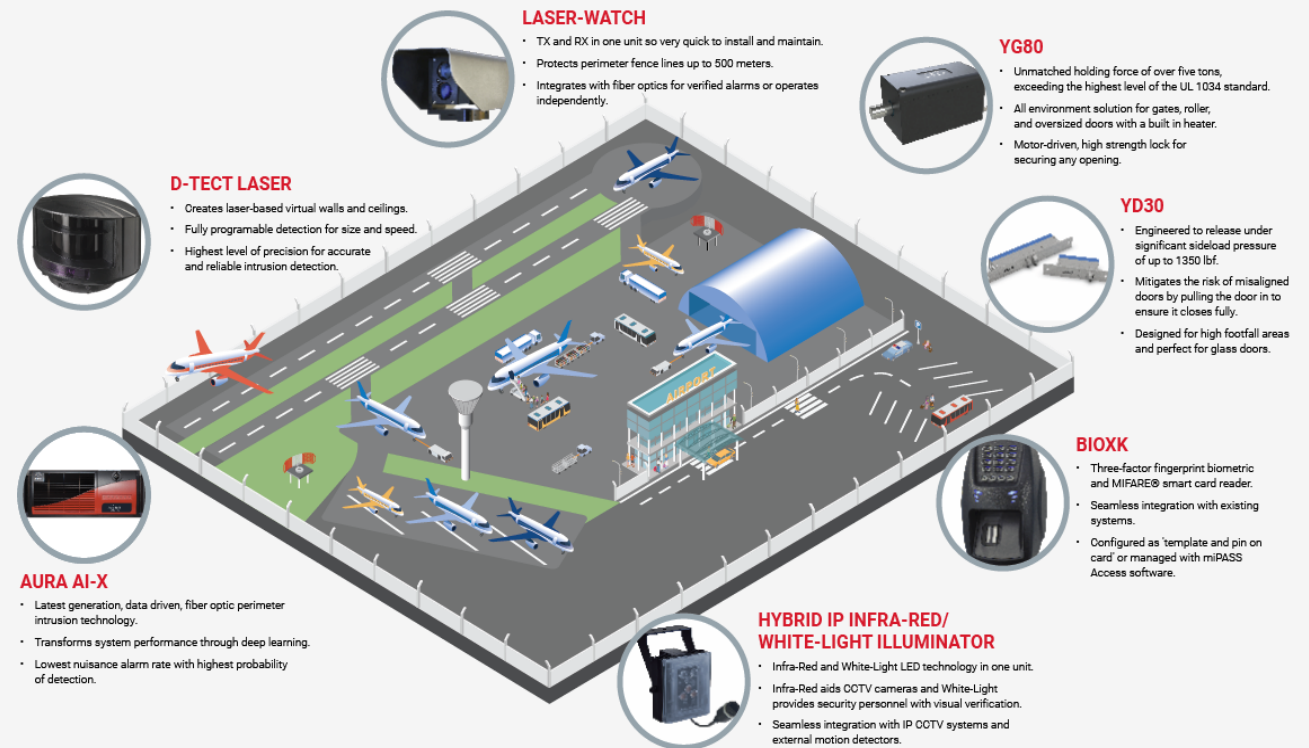
ILLUMINATE

- Supports Detect's smaller physical sites, targeted customer designs, illuminate CCTV images, identifying activity.

ACCESS

- Protect key infrastructure assets and strengthen vulnerable access points.

Example of solutions at an Airport



DETECT



ILLUMINATE



ACCESS

DRIVING GROWTH IN FY26 AND BEYOND

Building on our market verticals and geographies with sophisticated global partners

Proven technology

- Aura Ai-X
- YD30 Cobalt series
- LoRa Connect wireless system
- Growing recurring revenue via subscription

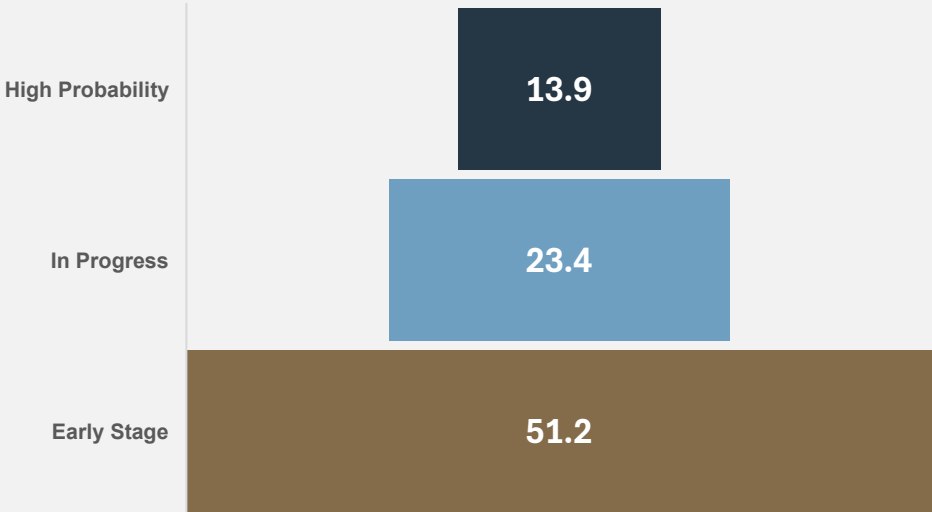
Enhanced commercial capability with high profile, quality partners

- Telstra
- UGL
- Siemens
- dormakaba
- Other key partners

30% growth in annual recurring revenue:

- Growth in recurring revenue of 30% to \$2.6m ARR under contract
- Sell subscription contract with every sale of Aura Ai-X

DETECT SALES OPPORTUNITY PIPELINE (A\$M)



- Total Pipeline with expected close dates in FY26 remains greater than **\$88.5m** (excludes telco sector orders)
- Opportunities across key geographies – APAC, Americas, Europe and Middle East.
- 11 opportunities > \$1m (\$18m of the pipeline)
- Pipeline excludes **Access / Illuminate**, expected to deliver revenue of \$10m in FY26.

HIGH QUALITY PARTNER AND END USER BASE

Strong network of OEM and distributor relationships worldwide

ExxonMobil

Honeywell



SIEMENS



dormakaba

Santos



DETECT DRIVING GROWTH

Significant progress deploying Aura Ai-X since its launch

Aura Ai-X Launched (March 2023)

- Advanced Deep learning Module
- New Install and training Modules
- Recurring revenue subscription
- SIL2 accreditation
- First major border deployment

Revenue

\$21.1m

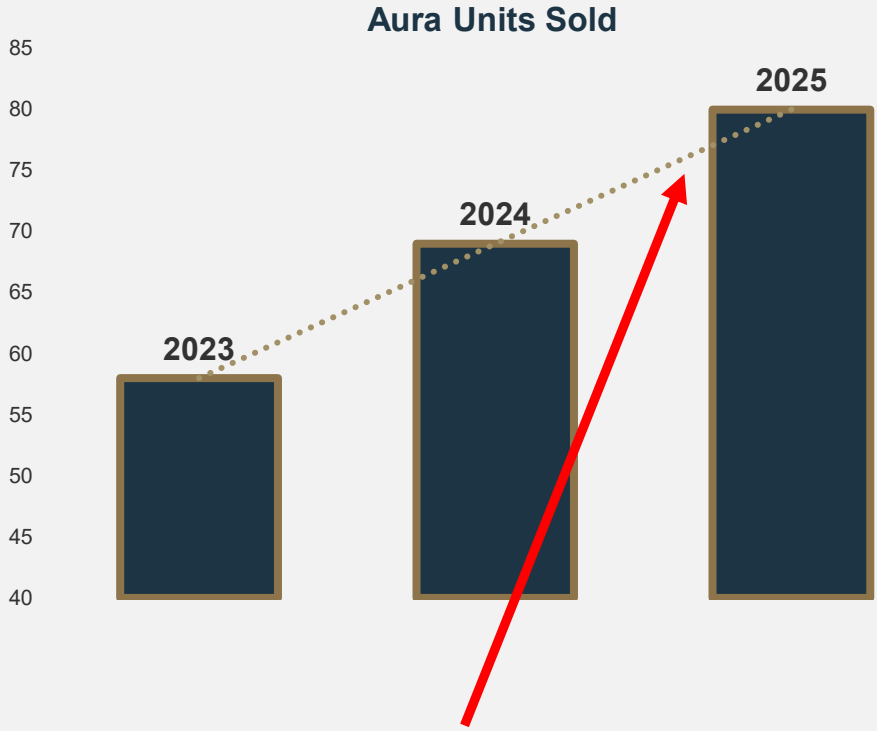
Up 17% on pcp

Gross Margin

70%

EBITDA

18%



- FY25 ARR growth 30%

FOCUS ON KEY SECTORS AND GEOGRAPHIES

High-value, strategically significant projects across multiple sectors

- In **APAC**, we continue to secure home-grown wins, including Oil and Gas and major transportation infrastructure such as Sydney Metro and Western Sydney Airport, demonstrating our expertise in this area.
- In **North America**, federal government projects, corrections and oil and gas solutions reinforce our credibility, long-term presence and , highlight our ability to protect critical energy infrastructure, while defense projects globally remain a key growth focus.
- In **the Middle East** we have outstanding clients in Oil and Gas, Airports, critical Infrastructure and Borders
- These examples underscore FFT's trusted technology, strong partnerships, and scalable solutions across diverse geographies and sectors.



CASE STUDY: TELSTRA PROGRESS



Securing mobile tower access

Opportunities:

- Protection of terrestrial and subsea data cables
 - Pit lid intrusion / lifting, cable tampering, digging
 - Detection of intrusions on major communication towers
 - Detection of exposed cables due to erosion
-
- ✓ Technology demonstrated the superior ability of Aura Ai-X DAS in detecting events and providing appropriate classification and reporting.
 - ✓ Illuminate products demonstrated an excellent capability in point and small site detection and sensing of interference.
 - ✓ Protects the assets, the public and the network performance.



Protection of pits



Exposed cable detection



Monitoring of subsea telco cables

Case Study: CRITICAL EUROPEAN BORDER – TWO PHASES

Background

This European government faced a surge in attempted illegal border crossings, with 29,707 incidents last year. Securing a 235 km stretch was challenging due to varied terrain, shared infrastructure, and frequent nuisance alarms from incumbent competing system. Authorities needed a reliable, scalable solution.

Solution

Aura Ai-X was deployed in buried and fence-mounted configurations, using deep learning to navigate complex perimeters, including concertina wire.

Outcome

Due to incredible reduction in nuisance alarms (>2 per day) and increase in probability of detection (POD), additional Aura Ai-X controllers were deployed along the remaining (500+ km) border replacing the failed incumbent competitor.



Aura Ai-X CASE STUDY
COUNTRY BORDER, EUROPE

BACKGROUND

In recent years, this government client has been on high alert due to a significant influx of immigrants attempting to cross the border from a neighbouring country. Last year, authorities registered 29,707 attempted border crossings, the highest number since the crisis began, when the number exceeded 37,000. To stop the migration route and prevent people from crossing the border illegally, the government needed to implement a versatile security solution that could operate in challenging environmental conditions and on variable border infrastructure shared with multiple countries.

CHALLENGE

The government issued a tender for a covert buried solution to secure a 235 km stretch of its border. The project's primary challenge was finding a solution that could effectively detect intrusions while minimising false alarms, a common issue with similar technologies deployed on other sections of the same border. Given the high stakes of border security and the need for precise, reliable monitoring, the solution required not only robust performance but also scalability to handle large areas with minimal disruption.

SOLUTION

Given FFT's proven track record in intrusion detection technology for border security, Aura Ai-X was chosen for this project. Initially, existing legacy systems on parts of the border had significant issues, including frequent nuisance alarms. Subsequently, additional Aura Ai-X controllers were deployed along the entire 500+ km border. Aura Ai-X was installed in both buried and fence-mounted configuration, leveraging its deep learning capabilities to effectively navigate challenging terrain and inconsistent perimeter structures, such as concertina razor wire coils. This advanced technology ensures exceptional event classification accuracy, maximising detection probability while minimising false alarms. To further optimise system performance, the client integrated FFT ATLAS into the security solution. This integration provides regular event classification updates, enhances cyber assurance, and offers responsive maintenance and support as needed.

With deep learning and continuous improvement capabilities, Aura Ai-X PIDS transforming PIDS performance, driving nuisance alarms towards zero while maintaining the highest possible intrusion detection rate.

Future Fibre TECHNOLOGIES
sales@fftsecurity.com | fftsecurity.com



The video, released by an independent European media source, quickly gained widespread attention. It demonstrates Aura Ai-X's effectiveness, showing security personnel on scene in under 30 seconds.

Case Study: DUBAI INTERNATIONAL AIRPORT, UAE

BACKGROUND

Dubai International Airport, one of the world's busiest airports, spans 7,200 acres (2,900 hectares) with a 16 km perimeter. Managing such a large, high-traffic site requires highly reliable perimeter security.

CHALLENGE

The airport faced frequent nuisance alarms from a legacy PIDS controller. Operators needed a system capable of maintaining a POD above 95% while keeping nuisance alarms incredibly low, all without disrupting existing security infrastructure.

SOLUTION

FFT deployed Aura Ai-X, customising the deep learning algorithm using global installation data to filter environmental noise such as jet blasts. The system was rigorously tested and immediately exceeded expectations. Multiple Aura Ai-X units now secure the airport perimeter.



Aura Ai-X CASE STUDY INTERNATIONAL AIRPORT, UNITED ARAB EMIRATES

BACKGROUND

Dubai International Airport is the primary international airport serving Dubai, United Arab Emirates, and as of 2023 is the world's busiest airport by international passenger traffic. The airport is situated in the Al Garhoud district and is spread over an area of 7,200 acres (2,900 hectares) with a perimeter of approximately 16 kilometres (10 miles).

CHALLENGE

With the client experiencing difficulties with nuisance alarms from an older PIDS controller, FFT offered to install its latest generation intrusion detection technology to demonstrate how machine learning could improve system performance, while seamlessly integrating with existing security infrastructure. The airport operators required Aura Ai-X to consistently deliver a probability of detection above 95% with a nuisance alarm rate of less than 5% before proceeding with the upgrade.

SOLUTION

To maximise intrusion detection while minimising false alarms, FFT's R&D team customised the PIDS machine learning algorithm using data from its global system installation library to process the environmental noise typically associated with a busy international airport. The demonstration Aura Ai-X controller was then installed and rigorously tested - immediately delivering results that exceeded client expectation. Multiple Aura Ai-X systems have now been installed to protect the perimeter of Dubai International Airport and the thousands of passengers and employees who pass through the gates every day.

Perimeter intrusions at busy airports can have serious consequences, regardless of the intent. Aura Ai-X seamlessly integrates with existing security physical systems to deliver real-time intrusion alerts to airport staff - including precise location information to support event verification and rapid response.



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Case Study: WOODSIDE, INTEGRATED GAS PLANT, AUSTRALIA

BACKGROUND

Woodside's Karratha Gas Plant (KGP) is a world-class integrated gas production facility in Western Australia, producing LNG, domestic gas, condensate, and LPG. The onshore plant spans over two square kilometres and connects to the offshore LNG platform via a 3.2 km interconnector pipeline.

CHALLENGE

To optimise system architecture and address intermittent interference affecting legacy systems, Woodside sought a next-generation PIDS capable of reducing system complexity while maintaining robust perimeter security.

SOLUTION

Aura Ai-X replaced legacy Controllers, reducing the number of systems needed and allowing a single fibre optic cable to monitor both fence and gates. FFT Secure Point was deployed to secure the nearby Mt Wongama Communication Tower, supporting critical telecommunications on the Burrup Peninsula.



OIL & GAS



Aura Ai-X CASE STUDY
INTEGRATED GAS PLANT, AUSTRALIA

BACKGROUND

Woodside's Karratha Gas Plant (KGP) is one of the most advanced, integrated gas production systems in the world, producing LNG, domestic gas, condensate and LPG. Part of the Pluto LNG Project, the onshore processing plant is located 1,260 m north of Perth in Western Australia and connected to the offshore LNG platform by a 3.2 km interconnector pipeline.

CHALLENGE

Covering over two square kilometres, KGP has been protected by FFT's intrusion detection technology for a number of years. To optimise overall system architecture, simplify the fibre optic cable infrastructure, and address intermittent electromagnetic interference affecting some legacy systems, the client chose to upgrade to FFT's latest-generation PIDS.

SOLUTION

Aura Ai-X was chosen to replace the legacy FFT Secure Fence and FFT Secure Zone controllers at the site. With the ability to protect up to 80 km (fence-mounted) and 110 km (buried) per controller, Aura Ai-X significantly reduced the number of PIDS systems needed to monitor the facility's perimeter. It also streamlined the infrastructure by allowing a single fibre optic cable to monitor both the fence and the gates. To enhance system performance, the client incorporated FFT ATLAS into their security solution, providing regular event classification updates and access to on-demand maintenance and support. Additionally, FFT Secure Point, a dual-zone controller designed for smaller perimeters, was selected to monitor the nearby Mt Wongama Communication Tower. Woodside supplies electricity to the tower, which serves telecommunications providers on the Burrup Peninsula.

FFT's advanced fibre optic-based sensing technology is the solution of choice when it comes to safeguarding critical infrastructure and operations, as well as preventing unauthorised access, tapping and tampering within oil and gas facilities.

Future Fibre TECHNOLOGIES

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Case Study: SYDNEY METRO, AUSTRALIA

BACKGROUND

Sydney Metro is Australia's largest public transport project, building, operating, and maintaining four metro lines, 46 stations, and 113 km of new metro rail.

CHALLENGE

The project required a Corridor Intrusion Detection System (CIDS) and Obstacle Detection System (ODS) for the Southwest line from Sydenham to Bankstown. These systems ensure safe train operations as the corridor transitions to Unattended Train Operations.

SOLUTION

Aura Ai-X was chosen for its advanced intruder and obstacles identification, triggering CCTV verification for real-time operator response. This system is the first of its kind in Australia, setting a benchmark in rail safety technology.

Due to the strength of our partnership, service quality, and trusted performance, Aura Ai-X has also been deployed along the Western Line and at the Western Sydney Airport project which is part of the biggest urban rail infrastructure investment in Australian history.



Aura Ai-X / Aura Ai-XS CASE STUDY RAIL OPERATOR, AUSTRALIA

BACKGROUND

A major rail operator is delivering a modern driverless train system to replace aging heavy rail infrastructure. This new corridor project expands the existing network and, unlike many metro systems, operates fully above ground alongside standard passenger and freight lines. With trains scheduled every few minutes, the risk posed by intrusions or foreign objects on the track is significant, requiring a highly reliable and responsive detection solutions.

CHALLENGE

United Group Limited, the prime contractor for services including signalling, radio, and security, required a Corridor Intrusion Detection System (CIDS) and Object Detection System (ODS) to protect 11 km of track. The system needed to integrate with platform security fencing, operate across 13 bridges and deliver intrusion detection accuracy of 99% with no more than two nuisance alarms per day, capped at 30 per month. Real-time integration with cameras and control management system to support immediate slowing or stopping of trains was also a requirement. Given the fully above-ground environment and the potential consequences of intrusion, the solution had to deliver exceptional accuracy and redundancy.

SOLUTION

FFT installed Aura Ai-X and Aura XS controllers in redundant loops across the corridor. Eight separate systems, each with dual controllers, were configured to feed back to both the central Operational Control Centre (OCC) and a Temporary Operations Control Centre (TOCC) for redundancy. The CIDS provides instant alerts (within two seconds) when human or animal intrusions occur, verified through integrated camera systems. The ODS was configured to detect larger objects on the track, such as vehicles or containers, supporting immediate operational responses to prevent service disruption or accidents.

Future Fibre
TECHNOLOGIES

Corridor intrusions on rail infrastructure can have catastrophic consequences. FFT's Aura Ai-X solutions integrate seamlessly with command systems to deliver real-time alerts and event verification, ensuring safety, continuity of service and protection of vital transport infrastructure.

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Proof over promises: Borders and Corrections

Border Protection – News article

Aura Ai-X in action at a key international border.

FFT's Aura Ai-X helped pinpoint a covert tunnel on the Belarus–Poland border, detecting threats fast and accurately.

“Thanks to advanced electronic systems on the barrier, the Polish-Belarusian border is effectively protected,” wrote Poland’s Minister of Interior and Administration.

Local officials confirmed two tunnels were identified using newly installed *“advanced electronic systems.”*

Tunnel connecting Belarus and Poland discovered by border guards



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By [Katarzyna-Maria Skiba](#)

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Corrections Protection – Email received

Aura Ai-X in action, stopping an inmate escapee in the USA in October 20205

“As most you of you know, xxx had an escape attempt this past Saturday evening. The inmate was able to get over the first fence as staff arrived (within seconds of alarm going off). Everything from the shaker fence alarm , to the video coverage worked perfectly. This is a positive change for xxx because for so long everything was outdated and typically malfunctioned when needed.... I know I keep them busy every time they visit xxx but their hard work has provided multiple improvements for us.”

From: Michelle Dazant <Michelle.Dazant@LA.GOV>
Sent: Thursday, October 16, 2025 10:27 AM
To: Keith Smith <Keith.Smith@la.gov>; Travis Day (DOC) <Travis.Day@la.gov>; Dusty Beckman (DOC) <Dusty.Beckman@la.gov>; Gary Westcott (DOC) <Gary.Westcott@la.gov>;
Cris Daniel Ramsey <Cris.Daniel.Ramsey@la.gov>; Keith Cooley <Keith.Cooley@la.gov>; Kristen Thomas <Kristen.Thomas@la.gov>; Brand Thompson <Brand.Thompson@la.gov>; Keith Turner <Keith.Turner@la.gov>; Jonathan London <Jonathan.London@la.gov>
Subject: Escape Attempt

I just wanted to send a thank you to Jonathan London and his entire team. As most you of you know, DWOC had an escape attempt this past Saturday evening. The inmate was able to get over the first fence before staff arrived (within seconds of alarm going off). Everything from the shaker fence alarm , to the video coverage worked perfectly. This is a positive change for DWOC because for so long everything was outdated and typically malfunctioned when needed. I want to extend my appreciation to Jonathon and his crew for all the work they do for DWOC and DOC. I know I keep them busy every time they visit DWOC but their hard work has provided multiple improvements for us. Thank you Jonathon, please share with your staff!!!!



Proof over promises: Trains and Metros

Trains and Metro Protection

UGL presented Corridor Intrusion Detection System (CIDS) and Object Detection System (ODS) at CORE 2025. The systems, underpinned by **FFT's Aura Ai-X**, slow or stop trains when people or objects enter the operational zone.

UGL, powered by by FFT's technology, made it as finalists at both the Rail Industry Safety and standards board (**RISSB**) and the Australian Railway Association Rail (**ARA**) Innovation of the year award. Feedback was strong, and enquiries from transport stakeholders reinforced UGL's safety leadership and momentum behind CIDS adoption.



UGL showcases innovation in rail safety at CORE 2025

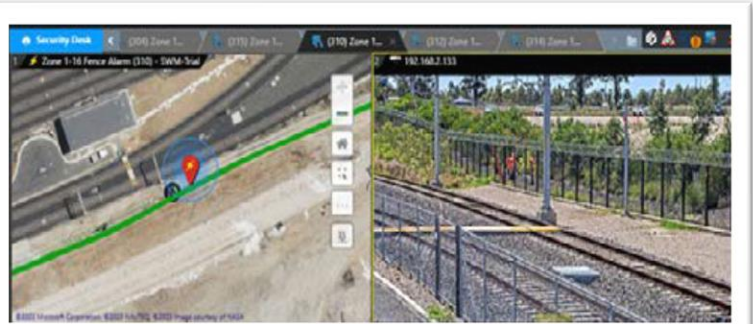
Congratulations to UGL Engineering Manager, David Hampshire, and UGL Systems Engineering Manager, Newton Cheung who presented at CORE 2025 in Auckland, New Zealand. The event, a top railway engineering conference, saw industry leaders from around the world converge to address critical issues in railway policy, operations, and engineering.

David and Newton presented the paper Corridor Intrusion Detection Systems (CIDS) which takes perimeter safety to another level by providing a system that will slow or stop trains automatically should people or objects intrude into the rail operation zone.

"This is a major step forward in safety systems for rail," said David. "The technology has many applications that can be leveraged into other industries that have a need for high availability detection systems. We had many enquiries from people within the transport sector highlighting the importance for UGL to make this solution visible."

"Showcasing UGL's advancements in Perimeter Intrusion Detection System sparked great discussions about their potential to enhance safety and operational efficiency," said Newton. "It's always a privilege to share innovations that position UGL as a leader in safety technology."

The presentation received positive feedback with the audience engaging with the real-world examples of the solution in build and test.



2025
Finalist

Rail Industry Safety and Standards Board (RISSB) Community Safety Award



2025
Finalist

Australasian Railway Association Rail Innovation of the Year Award

STRONG GROWTH OUTLOOK LEVERAGES EXISTING COST BASE

Substantial opportunity remain in core markets to drive growth throughout FY26

Q1 FY2026 Trading Update:

- Q1 sales order intake of \$9.0m, up from \$8.9m in the previous year
- Sales order backlog of \$7.5m including \$2.6m in contracted annual recurring revenue.
- New orders in Q1 in strategically important sectors – transportation, sovereign border protection.
- Strong sales opportunity pipeline expected to grow sales order intake in Q2 and beyond.
- **H1 FY2026 revenue guidance of \$17.0m - \$18.2m** depending on timing of project based orders in Q2.

Drivers of growth in FY26:

- Expected **revenue growth of 20%+ in FY26** based on strong sales pipeline
- Adjacency revenues slower to materialise due to reliance on partners but remain a growth opportunity
- Gross margin expected to be maintained at around 64%
- Operating cost base is stable – no more than 5% growth in operating expenses to deliver revenue growth in FY26
- EBITDA margin for FY26 expected to be in double digits
- Cash flows and balance sheet provide funding to drive scalable global operation

COMPELLING CASE FOR INVESTMENT

Leading technology with scalable model and organisational capability to support growth plans



TRACK RECORD OF GROWTH AND RESULTS

- FY25 revenue growth of 5%
- High gross margins – circa 60% - 65%
- Trusted by blue chip and government customers



STRONG COMPETITIVE ADVANTAGES

- Strong Technical Solutions, competitive position with growing investments in innovation, AI and deep learning
- Market experienced commercial, technology and leadership team
- Strong repeat customer interactions with customised, flexible and scalable solutions



HIGHLY SCALABLE MODEL

- Blue chip customer base and long-term recurring revenue potential
- Efficient, scalable go-to-market strategies which include key distributor partners
- Target revenue growth of 20%+ in FY26 with operating leverage



GLOBAL OPPORTUNITY

- Well-placed to become a global leader in smart digitisation for security and asset protection, thousands of products installed in +70 countries
- Emerging global partnerships with large multinationals
- Existing global revenue base

FORWARD LOOKING STATEMENTS

This presentation is given on behalf of Ava Risk Group Limited (AVA)

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