

# YAVA

## BI-WEEKLY REPORT

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## YAVA Bi-Weekly Report

This edition comes as infrastructure security spending surpasses \$100bn globally, and as two of our teams deploy across East Africa and the Middle East. From airports under strain to energy assets under threat, the gap between risk and resilience is widening – and it's where YAVA is increasingly called in.

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## Our Mission

We are committed to advancing dual-use innovation that safeguards nations and strengthens global infrastructure. We connect pioneering startups with governments and international organisations, ensuring their technologies are ready to meet complex security and operational challenges.





Photo taken by YAVA colleagues of the welcome gate at Juba Airport.



Photo taken of Sumit Dubey and Vivek Shukla with the Hon'ble Anil Nautiyal, Indian Ambassador to South Sudan

## SOUTH SUDAN | AIRPORT RESILIENCE IN A HIGH-RISK OPERATING ENVIRONMENT

Stabilising critical aviation infrastructure where reliability is mission-critical

YAVA's team deployed to Juba, South Sudan, this fortnight to support an airport infrastructure resilience programme in one of the world's most complex operating environments. With aviation forming the backbone of humanitarian access, trade, and government mobility, operational reliability here is not optional – it is essential.

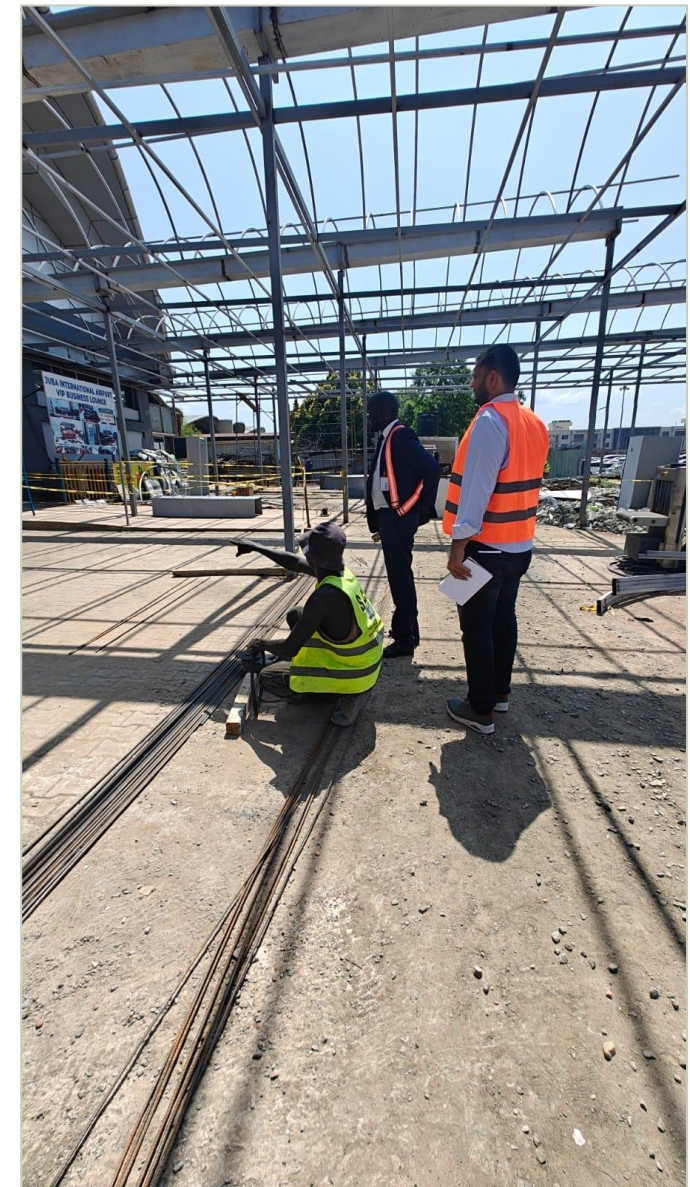


Working alongside local authorities and partners, YAVA undertook early-stage diagnostics focused on airside security, operational visibility, and system resilience. These environments demand more than imported solutions; they require technology, planning, and execution models that function under pressure, with limited resources and constant security risk.

The team was formally received by the Civil Aviation Authority and the Indian Ambassador to South Sudan, reflecting strong institutional trust and alignment at a government level. This engagement reinforces YAVA's position as a delivery partner in frontier aviation and infrastructure markets where layered security, clear data visibility, and operational continuity are paramount.

For investors, operators, and insurers alike, South Sudan represents the clearest example of where resilience is not a future concept but a present requirement. YAVA's role is to bridge that gap – translating complex security and systems integration into deployable, reliable infrastructure that works on the ground.

*This engagement forms the foundation for a wider regional aviation and logistics resilience strategy now under development.*



Sumit Dubey and Vivek Shukla with the JIA team during a walkthrough of the airport's new facilities, including the brand-new international terminal.

# DUBAI AIRSHOW 2025 | WHERE DEFENCE, AVIATION & INFRASTRUCTURE CONVERGE

Positioning next-generation security at the centre of global airspace resilience

YAVA attended the Dubai Airshow 2025 alongside global aerospace leaders, defence innovators, and government stakeholders at a time when the boundaries between aviation, defence, and critical infrastructure security are blurring faster than ever.

Across meetings with aircraft manufacturers, sensor providers, counter-drone specialists, and secure communications firms, one theme dominated: airspace is now a contested operational environment, not just a transport corridor. Airports, airfields, and flight networks are increasingly exposed to drone incursions, cyber disruption, electronic warfare, and asymmetric threats that demand fully integrated defence-grade systems.

For YAVA, the Airshow reinforced a clear market shift. Operators are no longer procuring isolated hardware. They are seeking unified, intelligent security ecosystems that combine surveillance, counter-UAS, secure data fusion, autonomy, and rapid-response capability into single operational layers.

As global infrastructure expands across high-growth regions, the demand for deployable, resilient, and dual-use aviation security systems is accelerating. YAVA's role sits squarely at this intersection – translating frontier defence technology into operational infrastructure security that works in real-world, high-risk environments.

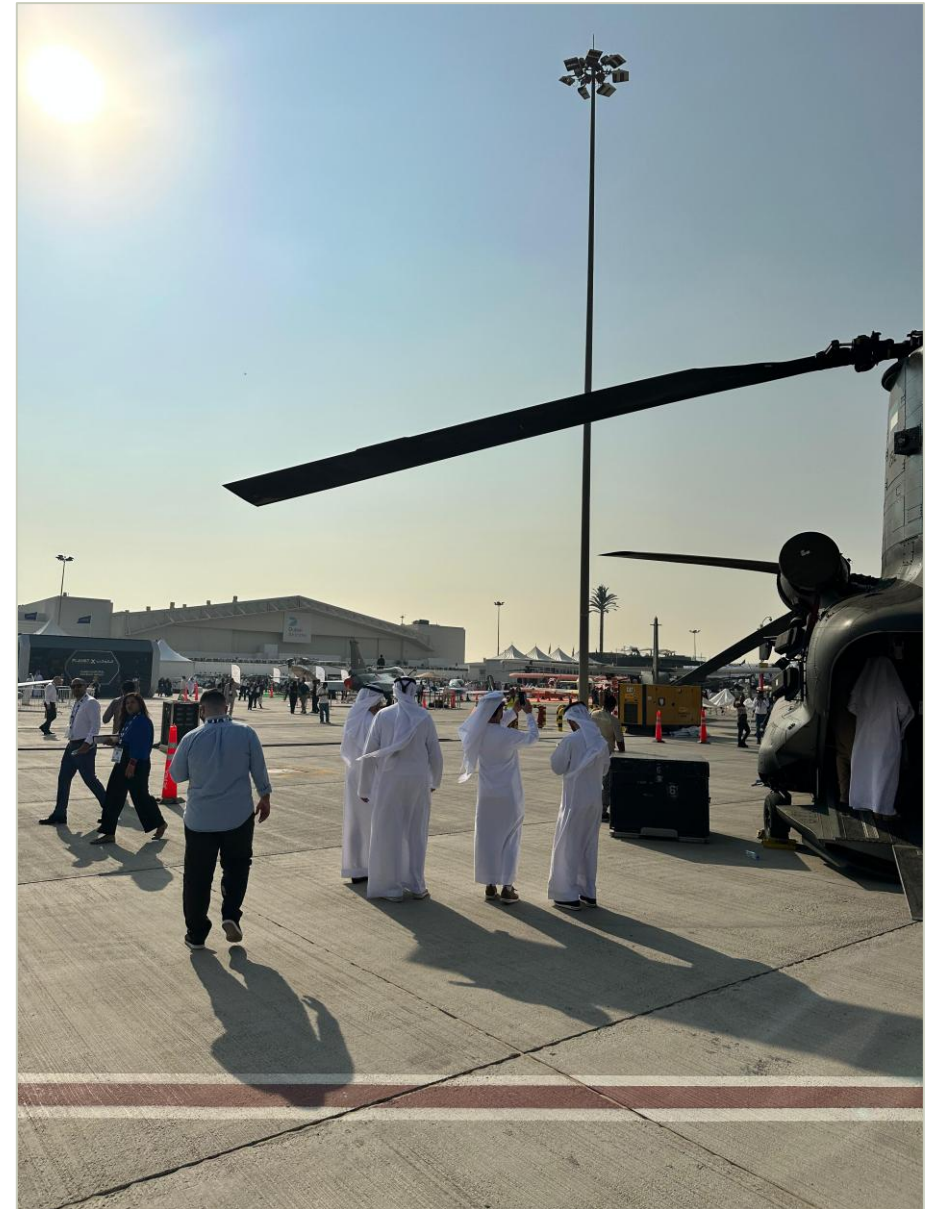
*The dialogue initiated at Dubai Airshow is now progressing into multiple technical evaluations and partner alignment discussions across the Middle East and Africa.*



Photo of Harry Geisler boarding a UAE Air Force C-17 Globemaster at the Dubai Airshow 2025, as part of the YAVA delegation. The C-17 Globemaster is a long-range military transport aircraft used for strategic airlift, humanitarian missions, and rapid deployment of troops and equipment.



Photo taken by YAVA personnel at the Dubai Airshow 2025, showing an Emirates Boeing 777 alongside four Sukhoi Su-57s performing an aerial demonstration



YAVA delegation at the Dubai Airshow 2025 alongside an Emirati Chinook helicopter and UAE defence representatives.

# KENYA | INFRASTRUCTURE, ENERGY & INVESTMENT MOMENTUM

Positioning Kenya as East Africa's next critical infrastructure hub

YAVA's team was in Nairobi this fortnight engaging with government leaders, energy operators, and infrastructure stakeholders as Kenya accelerates its next phase of industrial and logistics growth. As investment appetite continues to rise, the focus is shifting decisively toward resilience, security, and long-term operational stability.

Discussions with leading oil and gas operators centred on safeguarding storage, pipelines, and downstream distribution – assets that now sit at the heart of national energy security and regional trade. Alongside this, YAVA met with members of the Kenyan Parliament to explore how technology, security frameworks, and cross-border investment structures can be better aligned to support sustainable infrastructure expansion.

A key meeting with Dr. Adarsh Swaika, High Commissioner-designate and Permanent Representative to UNEP & UN-Habitat, focused on enabling Indian FDI into Kenyan infrastructure projects and strengthening bilateral trade routes across energy, logistics, and smart industrial development.

Kenya is fast emerging as a gateway market for East Africa – not just for capital, but for innovation in secure infrastructure delivery. YAVA's role is to operate at the intersection of investment, security, and execution, ensuring that as assets scale, resilience is built in from day one.

*The conversations in Nairobi mark the early stages of multiple long-term engagements now entering structuring and feasibility phases.*

Photo taken of Sumit Dubey and Vivek Shukla with Dr. Adarsh Swaika, High Commissioner-designate and Permanent Representative to UNEP & UN-Habitat



Photo of Sumit Dubey and Vivek Shukla with the administration and leadership of Hass Petroleum in Nairobi, during discussions regarding investment into a major LPG storage facility.





# INFRASTRUCTURE SECURITY TRENDS TO WATCH

Drones, missiles, and cyber incidents push resilience to the forefront

- Missiles, drones, and cyber incidents last month underline how fast the infrastructure risk picture is moving. Russia's latest mass drone and missile strikes on Ukraine's energy grid, forcing emergency blackouts, show how civilian infrastructure is now a front-line target
- At the same time, unexplained drone incursions over Belgian airports prompted the UK to deploy counter-UAS teams and equipment to help secure airspace and key facilities
- On the cyber side, a 2025 survey released in November reports that many operational technology incidents take days or even months to remediate





# OIL & GAS INFRASTRUCTURE | SECURITY AS THE NEW INVESTMENT MULTIPLIER

Securing energy assets as investment pours into emerging markets

Oil and gas infrastructure remains one of the world's most strategically vital – and most exposed – asset classes. Storage terminals, pipelines, and refineries now sit at the intersection of energy security, political instability, theft, cyber risk, and supply chain fragility. For both operators and investors, security is no longer an overhead – it is a core driver of asset performance, insurability, and valuation.

Across Africa and the Middle East, capital is once again flowing into upstream and midstream projects. But this new investment cycle faces a structurally different risk landscape: organised theft, drone-enabled surveillance, insider sabotage, cyber-physical attacks, and regulatory volatility. Each of these directly impacts uptime, yield stability, insurance premiums, and exit multiples.

Operators are under pressure to maintain continuous operations with lean teams across remote terrain. Investors, meanwhile, face a defining question:

| Is resilience built into the asset, or retrofitted after disruption?

YAVA supports energy stakeholders through integrated security and operational visibility systems, including wide-area surveillance, encrypted field communications, AI-driven anomaly detection, and secure multi-site command-and-control. The objective is straightforward: protect throughput, reduce downtime, stabilise revenue, and safeguard insurability.

*As frontier energy markets scale, resilient infrastructure is no longer a differentiator – it is the price of entry. The next generation of oil and gas assets will be defined by how well they are defended, digitised, and trusted from day one.*



# GLOBAL DEPLOYMENT IN ACTION

## Delivering resilience where it's needed most

Across Africa, the Middle East and other frontier regions, infrastructure is expanding quickly while security, climate and resource pressures intensify. Recent analysis on food, energy and connectivity has underlined how resilient power, transport and digital networks are now central to stability and investment in these markets.

YAVA's deployments in South Sudan and Kenya sit in this reality. Recent projects have focused on:

- Keeping airports operating safely during shocks and disruption
- Improving visibility and planning along critical logistics routes
- Supporting operators who must deliver with limited staff and resources

# TECHNOLOGY HIGHLIGHT: DUAL-USE INNOVATION

## Policy shifts are accelerating defence-grade tech into civilian infrastructure

November saw a flurry of activity around dual-use technology – systems that serve both civilian infrastructure and defence. The EU agreed new rules to channel more into dual-use and R&D defence, aiming to unlock major investment for innovative projects. Regulators also highlighted quantum computing, communications and sensing as strategic dual-use capabilities, while a new policy paper called for a dedicated European dual-use innovation framework.

For infrastructure resilience, this matters because:

- Defence-grade tech is reaching civilian operators faster
- Funding programmes increasingly expect solutions that work in both crisis and peacetime

Partners like YAVA can help translate high-end technology into deployable systems in difficult environments





# LOOKING AHEAD: PARTNERSHIPS & GROWTH OPPORTUNITIES

Building the future of infrastructure  
security – together



The critical infrastructure security market is poised for significant expansion. Globally, spending on protecting essential assets is projected to reach nearly \$200 billion by 2030. This growth is fuelled by rising threats and massive new infrastructure investments, especially in regions like Africa and the Middle East. To meet evolving demands, solutions are becoming more integrated; blending physical safeguards with cybersecurity and advanced tech, like AI and IoT, for real-time resilience.

YAVA is aligning with these trends: the company is broadening its capabilities in areas like autonomous systems, secure communications, and dual-use technology, while expanding its presence in high-need markets.

Partnerships will be key in this future. Collaborations between global solutions suppliers and local authorities are already accelerating progress in infrastructure protection. In this spirit, YAVA is keen to foster new alliances – inviting clients and partners to co-create the next-generation of resilient infrastructure solutions.

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