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CLEAN SCALABLE ENERGY STORAGE™

1 June 2026 ASX:14D

# ADVISORY BOARD OF INDUSTRY EXPERTS APPOINTED TO ADVANCE 14D AEROSPACE, DRONE & DEFENCE BUSINESS

- Advisory Board consists of 6 industry experts including former senior executives from:
  - DRONESHIELD (ASX: DRO)
  - AIRBUS U.S. SPACE & DEFENSE
  - GENERAL DYNAMICS
  - THE WHITE HOUSE
  - JOINT CHIEFS OF STAFF
  - LOCKHEED MARTIN
  - UNITED STATES SPACE COMMAND
  - ELSIGHT LTD (ASX: ELS)
  - NORTHROP GRUMMAN
  - GE AVIATION
  - THE PENTAGON
  - U.S. DEPARTMENT OF WAR
  - U.S. AIR FORCE
  - RAFAEL ADVANCED DEFENSE SYSTEMS *(Israel's largest defence prime)*

- The Advisory Board will support, guide and assist 1414 Degrees on its commercialisation plans to deploy its energy storage technology across the drone, aviation, aerospace, robotics, satellite and other high-growth markets.
- Strong team spread across core regions – USA, Middle East & Israel, Asia-Pacific.
- Advisory Board expected to bring immediate value-add capabilities to 14D: sales, go-to-market strategy, commercialisation, engineering & product design, industry and manufacturer engagement, defence market access, sovereign fund access, strategic partnerships, government engagement, licensing and early revenue opportunities, and potential introductions of M&A, joint venture and other corporate opportunities, among other advantages.
- Drones & UAVs share one fundamental constraint – battery capacity.

  **SiNTL™ aims to address this by unlocking at least 50% higher power capacity than conventional graphite anodes, enabling longer range and bigger payloads on drones.**
- Appointment of the Advisory Board follows commencement of SiNTL scale-up program to produce manufacturer-level quantities of silicon anode material, and progress current industry discussions into formal material evaluations, which, if successful, would represent potential early revenue opportunities.
- On 28 May 2026, the Wall Street Journal reported[1] that the White House, Pentagon and Office of Strategic Capital, are in talks to fund U.S. drone companies in an effort to boost drone supply for national security.
- Drone dominance **was described as a "presidential priority" in President Trump's $1.5 trillion defence budget request for fiscal year 2027[2], highlighting that drones and UAVs are recognised as indispensable and mission critical tools of modern warfare.**

[1] https://www.wsj.com/politics/national-security/trump-us-drone-company-funding-cadef1f7
[2] https://www.reuters.com/legal/government/trumps-15-trillion-defense-budget-includes-750-billion-ships-jets-golden-dome-2026-04-21/

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**1414 Degrees Ltd** (ASX: 14D) ("1414 Degrees" or the "Company") is pleased to announce the establishment of its Aerospace, Drone & Defence Advisory Board, comprising six industry experts, including the former CEO of DroneShield (ASX:DRO), and former senior executives from Elsight Limited (ASX:ELS), Lockheed Martin (UAV division), Airbus U.S. Space & Defense, Northrop Grumman, General Dynamics, GE Aviation as well as senior U.S. military and national security leaders with extensive drone, aerospace, aviation and space industry experience.

Peter Yaron, Chief Technology and Operations Officer, will serve on the Advisory Board alongside the six external members, heading the Division's technical and operational direction.

The Advisory Board will support 14D's newly established Aerospace, Drone & Defence Division [3] on commercialisation strategy, growth, policy engagement and partnership development across Tier 1 military, intelligence, government, law enforcement, commercial and critical infrastructure sectors. Beyond the core drone and UAV market, the Advisory Board will also explore applications for 14D's technology across adjacent platforms including robotics, electric aircraft, unmanned ground and underwater vehicles, satellites and autonomous delivery systems. The group will additionally assist in assessing M&A opportunities in the aerospace, defence and drone sectors.

The appointment of the Advisory Board comes as the Wall Street Journal reported last week that the Trump Administration and Pentagon are in talks to fund U.S. drone companies in an effort to ramp up production of drones in the U.S. These talks have reportedly included the Office of Strategic Capital, a government funding agency set up to fund companies deemed to be important to national security supply chains.

These six advisers bring together complementary skills and networks across defence, government, aviation and energy sectors that are directly relevant to SiNTL's commercialisation. Each adviser will focus on their areas of expertise to maximise results for the Company across aerospace, drone and defence

The Advisory Board's remuneration is aligned with 14D's success, with options being granted with exercise prices of $0.20 to $0.50 (see Appendix for detail).

ADVISORY BOARD MEMBERS INCLUDE:

**1. James Walker – Formerly of DroneShield (ASX: DRO) – to head the Advisory Board**

Mr Walker has an extensive career in commercialising technology across a range of industries and brings direct defence tech industry experience to the company.

Mr Walker is currently a Non-Executive Director at 6K Additive, a US based manufacturer of premium, sustainable metal powders and alloy additions for aerospace, defence, medical and industrial applications. A decade ago, he was the CEO and Managing Director of DroneShield (ASX: DRO), where he led the company through its successful ASX IPO in 2016 and since that time has maintained strong relationship with the drone defence sector. Mr Walker was until recently the Non-Executive Chair at BluGlass, a US and Australian located laser diode company with direct defence applications and US contracts.

Mr Walker's extensive technology commercialisation experience gives him direct, hands-on experience navigating the technical, regulatory, commercial, and capital markets challenges relating to building a defence tech business, as well as a proven track record of successfully building and scaling technology companies on the ASX and internationally. This hands-on experience building and scaling multiple technology businesses from early-stage through to a globally recognised company makes James exceptionally well-placed to assist and guide 1414 Degrees.

Mr Walker will be Head of the Advisory Board. In his role he will work closely with the 1414 Degrees management team and the other Advisory members across key strategic priorities, including:

[3] ASX announcement 13 May 2026 https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-03089528-2A1671804&

- **Go-to-market strategy** – assisting 14D in developing and refining its go-to-market approach for its drone division, including prioritising target markets, structuring commercial arrangements, and identifying pathways to revenue.
- **Early revenue opportunities** – identifying and securing early commercialisation opportunities to fast-track business development and bringing forward potential revenue opportunities.
- **Strategic partnerships and business development** – leveraging his extensive networks across the Australian and international defence, government, and technology sectors to identify and facilitate strategic partnerships, customer relationships, and distribution channels that can accelerate the Company's growth in the drone security market.
- **Capital markets and investor positioning** – assisting 14D in positioning its drone division effectively for current and prospective investors, supporting clear and compelling communication of the division's strategic value and growth potential.
- **International market development** – assessing and pursuing international market opportunities.
- **Identify Licensing Opportunities** - actively identify and evaluate licensing opportunities for 14D's energy storage technology, including engaging potential licensees across the drone, defence, aviation, and advanced energy sectors, structuring licensing frameworks that maximise the commercial value of the Company's IP, and positioning 14D's technology as a platform capability that can generate recurring revenue streams, a lower operating cost environment, and increase market share for manufacturers.

The Company believes Mr Walker's appointment and heading the Advisory Board represents a significant addition to its advisory capability as 1414 Degrees fast-tracks commercialisation status, and looks forward to benefiting from his expertise, networks, and strategic counsel and leadership.

**2. Bryan Berthy – Former Director of Engineering, Lockheed Martin; Drones & EVTOL, GE Ventures**

Mr Berthy is a technology executive and entrepreneur with more than 35 years of experience across advanced aviation systems, unmanned aerial vehicles, cybersecurity, infrared systems, drones, defence electronics, and early-stage technology commercialisation. His career spans senior leadership roles at Lockheed Martin, GE Ventures, Dover Microsystems, and Flight Transformation Technologies Corporation, as well as a long track record of founding, advising, and scaling high-growth technology companies across the aerospace, UAV, defence, and advanced systems sectors.

He brings to 1414 Degrees a rare combination of deep engineering expertise, C-suite commercial leadership, and hands-on experience at the cutting edge of electric aviation and unmanned systems — areas of direct and growing relevance to the Company's drone division.

Mr Berthy began his career at Lockheed Martin where he served as Principal Investigator for a 360-degree infrared vision system that was later selected for the F-35 Joint Strike Fighter — and as Lead Engineer for the F-16 Unmanned Aerial Reconnaissance System, developing some of the earliest unmanned system concepts in U.S. military aviation.

Mr Berthy also served as Entrepreneur in Residence at GE Ventures and GE Aviation, where he led new business creation for technology ventures in aviation and made early investments in urban air mobility, eVTOL electrically powered aircraft, drone systems, and global drone air traffic control infrastructure — positioning him at the forefront of the electric aviation and unmanned systems revolution that is now reshaping the defence and commercial aerospace landscape.

Mr Berthy is currently the Chief Operating Officer of Flight Transformation Technologies Corporation (FlightX), developers of a novel high-speed eVTOL aircraft.

Through his advisory firm BB Aerospace, Mr Berthy has provided C-suite and strategic advisory services to a wide range of technology companies, including a $30 billion commercial aviation group, a venture-backed

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cybersecurity hardware company, a startup drone systems company, and a large-scale aerospace and defence contractor — demonstrating the breadth and depth of his commercial and technical network across the global aviation, defence, and technology sectors.

Mr Berthy will provide 1414 Degrees with strategic counsel across several critical priorities as the Company develops and commercialises its drone division, including:

- **eVTOL and Electric Aviation Integration –** As a pioneer in eVTOL investment and currently serving as COO of a novel high-speed eVTOL aircraft company, Mr Berthy brings firsthand knowledge of the technical and commercial requirements of the electric aviation sector. He will assist 1414 Degrees in positioning its thermal energy storage technology as a compelling power solution for eVTOL and electrically-powered aircraft platforms, identifying integration pathways and engaging relevant aircraft developers and operators.
- **Unmanned Systems Market Development –** building 14D's presence in the unmanned systems market, identifying high-value applications for the Company's technology across unmanned aerial, ground, and surface vehicle platforms and connecting the Company with key industry and government bodies.
- **Defence Avionics and Weapons Systems –** Drawing on his extensive experience as Director of Mission Systems, Avionics and Weapons at Lockheed Martin, and his deep familiarity with U.S. military aviation procurement and programme management, Mr Berthy will assist 14D in understanding and engaging the defence avionics and weapons systems market — providing guidance on product positioning, technical requirements, and the procurement pathways that govern the introduction of new energy technologies into military aviation platforms.
- **Early-Stage Technology Commercialisation –** navigating various commercialisation pathways for 14D's energy storage technologies, and providing practical guidance on product development.
- **Strategic Partnerships with Aviation and Defence Industry –** Facilitating introductions and partnerships between 1414 Degrees and major aviation and defence industry players — relationships that could materially accelerate the Company's product development, route to contract, and international market penetration.

**3. Ron Goldner – Former Sales & Marketing Director, Elsight (ASX:ELS)**

Mr Goldner is an international sales and business development executive with more than three decades of experience scaling technology companies across electric vehicles, battery technology, defence, homeland security, cybersecurity, communications, and green energy markets.

Mr Goldner served as Sales and Marketing Director at Elsight, where he led global sales for secure video and data transmission solutions across military, homeland security, and IoT sectors — penetrating markets across Asia, Europe, and North America, closing the company's first distribution deals in Asia and Europe, and increasing subscription renewal rates by 33%. His tenure at Elsight established deep relationships across the UAV connectivity and defence technology ecosystem that remain directly relevant to 1414 Degrees' commercial ambitions in the drone sector.

Mr Goldner also served as Director of Sales and Business Development at ALGOLiON — an Israeli developer of the world's first early-warning lithium-ion battery hazard detection and prevention solution — where he led the commercialisation of the company's battery monitoring software, developed the EV and battery technology markets, and drove the strategic sales process that culminated in ALGOLiON's successful acquisition by General Motors, demonstrating Mr Goldner's ability to build commercial momentum and strategic value around advanced battery and energy storage technology.

Through his consultancy, Mr Goldner continues to provide strategic sales, business development, and investment-raising support to companies in the green energy, defence, medical, and advanced technology

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sectors — with a current engagement at Fast Sense, where he is spearheading technology partnerships, proof-of-concept initiatives, and commercial sales development.

Mr Goldner will provide 1414 Degrees with strategic counsel across several areas including:

- **Strategic Partnerships and B2G Sales –** With extensive experience closing high-value B2G contracts with government agencies and defence organisations across multiple geographies, Mr Goldner will assist 1414 Degrees in identifying, structuring, and closing strategic partnerships and government sales opportunities for its energy storage technology.
- **Battery and Energy Storage Market Commercialisation –** Having led the commercial transformation of ALGOLiON's lithium-ion battery monitoring technology from R&D stage through to acquisition by General Motors, Mr Goldner will assist 1414 Degrees in developing and executing its commercialisation strategy for its SiNTL thermal energy storage technology, identifying high-value customer segments, structuring commercial partnerships, and positioning the Company's technology for strategic uptake in the EV, drone, and advanced energy markets.
- **UAV and Defence Sector Business Development –** With direct experience leading global sales for UAV connectivity and defence technology products at Elsight across military, homeland security, and IoT markets, Mr Goldner brings an established network of relationships with defence agencies, government procurement organisations, UAV platform developers, and technology distributors that are directly relevant to 1414 Degrees' drone division. He will leverage these relationships to identify and develop new commercial opportunities, customer relationships, and distribution partnerships for the Company's drone technology.
- **International Market Penetration –** Mr Goldner has a proven track record of opening new markets across the United States, Europe, and Asia for Israeli and international technology companies, including closing first-in-market distribution deals in multiple geographies. He will assist 1414 Degrees in developing and executing an international market entry strategy for its drone division, identifying the right distribution partners, channel structures, and customer engagement approaches for each target geography and ensuring the Company builds a genuinely global commercial footprint.
- **Israeli and Middle East Defence and Technology Ecosystem –** As a deeply connected participant in Israel's world-leading defence and technology ecosystem, Mr Goldner brings valuable relationships across Israeli defence agencies, technology companies, and investors that can accelerate 1414 Degrees' engagement with the Israeli and broader Middle East defence and energy storage markets. Israel's defence technology sector is one of the most sophisticated and internationally networked in the world, and Mr Goldner's connections within it represent a significant commercial asset for the Company.
- **Strategic Investor Networking –** Having supported multiple capital raising rounds for early-stage technology companies across the battery, defence, and green energy sectors, Mr Goldner will assist 1414 Degrees in identifying and engaging strategic investors, corporate venture funds, and sovereign defence funds whose investment mandates align with the Company's technology and commercial ambitions.

**4. John Keith King – Former Senior Engineering & Technical Leadership, Northrop Grumman & General Dynamics; The White House, Pentagon, Joint Chiefs of Staff, U.S. Dept of State**

Mr King is a highly accomplished United States Solutions Architect and Systems Engineer with over 30 years of experience at the highest levels of the U.S. Government and military establishment, in designing and implementing advanced technology solutions for critical national and global missions. Mr King held a Top Secret/ SCI clearance with NATO Secret and Yankee White Access (US DoD personnel who work in support of the U.S. President or Vice President) during U.S. Government service.

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As the Lead Engineer for the U.S. Presidential Direct Communications Link, Mr King ensured 100% uptime of secure, direct communication channels between The White House, the Kremlin, the Pentagon (Joint Chiefs of Staff), and the U.S. Department of State. His expertise in secure communications extended to supporting international diplomacy and national security through initiatives like the Nuclear Risk Reduction Center, coordinating with high-profile entities such as the National Security Agency (NSA) and the Defense Information Systems Agency (DISA).

A decorated US Navy veteran and leader, Mr King's career includes spearheading transformative projects in both the public and private sectors. At USSPACECOM, he advanced cyber defense capabilities by integrating Artificial Intelligence and Machine Learning technologies while crafting strategic cyber policies to address emerging threats. As Enterprise Architect for USAFRICOM, he delivered a 44-rack Modular Mobile Data Center and led a comprehensive overhaul of enterprise-wide systems across three continents, significantly improving operational readiness and data security.

Mr King also played a pivotal role at SMX, contributing to a $1.5 billion contract proposal by driving digital transformation initiatives, including IoT, blockchain, and cybersecurity integration. His background in private industry includes leadership roles at Northrop Grumman, General Dynamics and Lucent Technologies, where he managed large-scale network projects and cutting-edge technology deployments. Mr King brings with him a global professional audience and extensive network spanning senior government, military, and technology leaders across the United States and internationally.

In his advisory role, Mr King will assist 14D with the following:

- **U.S. and Allied Defence Market Access** – Drawing on his extensive relationships across U.S. Combatant Commands, the Pentagon, and allied defence establishments, Mr King will assist 14D in identifying and pursuing market opportunities with U.S. and NATO defence organisations, helping the Company navigate procurement, compliance, and build relationships.
- **Government and Pentagon Engagement** – With direct experience working across the Joint Chiefs of Staff, the U.S. President, Russian government engineering counterparts, multiple Combatant Commands, and senior U.S. Government agencies, Mr King will support the Company in establishing and developing relationships with key government agencies in the United States and allied nations who are actively evaluating next-generation autonomous and drone technologies.
- **Defence Procurement Strategy** – Mr King's hands-on experience with large-scale U.S. Department of Defense contract proposals — including serving as one of eight formally designated Key Personnel on a $1.5 billion EUCOM and AFRICOM procurement proposal — will assist 1414 Degrees in understanding, structuring, and positioning itself for defence procurement processes, including U.S. Federal Acquisition Regulation (FAR) frameworks and allied government tender processes.
- **Command, Control, Communications and Cyber (C4/C5ISR) Architecture** – Mr King's expertise in secure communications architecture, satellite systems, and multi-domain operations will inform the technical development and positioning of the 14D Aerospace & Defence business, particularly as the Company seeks to align its products with the operational requirements and technical standards of defence and government customers.
- **Security Clearance and Classified Programme Navigation** – As a holder of an active Top Secret/SCI clearance with extensive experience in classified programme environments, Mr King will provide guidance on the security frameworks, clearance requirements, and classified programme structures that govern defence technology procurement in the United States and allied countries — critical considerations for any company seeking to supply drone security technology to military and government customers.
- **Strategic Partnerships with U.S. Defence Primes and Technology Companies** – Having collaborated throughout his career with major U.S. defence contractors including Northrop Grumman and General Dynamics, Mr King will assist 1414 Degrees in identifying and facilitating partnerships with U.S. defence

prime contractors and technology companies that could accelerate the Company's market penetration, product development, and route to contract.

- **Middle East and Emerging Market Opportunities** – Mr King maintains relationships across Gulf-region government and technology ecosystems. He will assist 1414 Degrees in assessing and pursuing opportunities in the Middle East and other high-growth emerging markets where demand for advanced drone technology is expanding rapidly.
- **Access to Sovereign Defence Funds** - Strategic introductions within sovereign, defence, and critical infrastructure investment ecosystems, and actively engaging with these funds to present and showcase the merits of 14D's technology to encourage investment.

**5. Eli Gur – Former VP Products, Elsight Ltd (ELS.ASX); Intel Corp; Rafael Advanced Defense Systems**

Mr Gur is an Israeli technology executive and product strategy leader. He has held senior product and executive roles at companies operating at the forefront of UAV connectivity, automotive technology, and defence systems, including Elsight Ltd, SheeldS, and Rafael Advanced Defense Systems (Israel's largest defence prime), as well as a long track record of founding and advising early-stage deep-tech companies.

Most recently, Mr Gur served as VP of Products at Elsight, a specialist in UAV (unmanned aerial vehicles) and UGV (unmanned ground vehicles) technology. In this role, he tripled the company's product lines, drove a hardware and software platform from initial concept to an approved Proof of Concept of approximately 250 units, achieved full production readiness for scaling to over 10,000 units, and initiated revenue streams exceeding $1 million.

He also developed hardware and software products for defence applications at Rafael Advanced Defense Systems. At Seraphim Optronics, a specialist in electro-optical systems for covert surveillance, he built the software department from the ground up. His leadership led to the product's acceptance into a strategic U.S. defence customer's portfolio, opening new revenue streams in highly competitive global B2G markets.

Additionally, he launched an automotive OTA product adopted by 15 OEMs and over 100,000 vehicles in its first year, co-invented two U.S.-granted patents, and drove multi-million-dollar annual revenue.

In his advisory role, Mr Gur will assist 1414 Degrees across the following areas:

- **UAV and UGV Product Strategy –** Refining the product strategy, ensuring that the Company's technology suite directly addresses the performance, integration, and operational requirements of UAV and UGV developers and operators in both defence and commercial markets.
- **Concept-to-Production Readiness –** Drawing on his proven track record of taking complex hardware and software platforms from early concept through to scalable manufacturing readiness, Mr Gur will advise on the transition from prototype technology to full commercial-scale production. He will provide practical guidance on the product development, manufacturing, and quality assurance frameworks required to execute this successfully.
- **Israeli and Middle East Defence Market Access –** Identifying and pursuing partnerships, customer relationships, and market entry opportunities in a region where demand for advanced drone and energy storage technology is expanding rapidly.
- **Go-To-Market Strategy and Enterprise Sales Enablement –** Developing compelling commercial frameworks, pricing models, and sales enablement tools for 14D's Aerospace & Defence division to convert technical capability into commercial traction.
- **Product Innovation and IP Development –** Identifying and securing intellectual property opportunities arising from the application of SiNTL technology to unmanned systems, increasing the Company's competitive position and long-term commercial value.

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**6. Captain Russ Matijevich – Former Chief Innovation Officer, Airbus US Space & Defense; Strategic Adviser to multiple Airbus-funded startups, Former Chief Engineer, BAE Systems**

Cpt Matijevich served as Chief Innovation Officer and Chief Growth Officer at Airbus US Space & Defense, where he developed mission architectures for advanced autonomous unmanned aerial systems, large aircraft self-protection systems, and unmanned surface vessels for island defence. He has also served as Chief Engineer at BAE Systems, and as Vice President of Strategic Development at HawkEye 360, leading Congressional and Executive Office engagement for a commercial RF signal geolocation satellite company. Through his own firm, Matijevich International LLC, he continues to advise across counter-UAS, electronic warfare, unmanned systems, and ISR, with clients spanning all major U.S. satellite manufacturers and commercial space operators.

Cpt Matijevich is a retired United States Air Force officer and C-suite defence technology executive with nearly four decades of experience spanning military operations, national security space programmes, unmanned systems, electronic warfare, and advanced technology commercialisation. His career also encompasses senior leadership roles at Northrop Grumman, and SAIC, as well as engagement with the U.S. Office of the Secretary of Defense, the National Reconnaissance Office, U.S. European Command, and U.S. Space Command. He has been directly trusted by Presidential Appointees, Members of Congress, and U.S. and Allied Military Flag Officers as an adviser on national security and advanced technology.

During his 22-year Air Force career, Cpt Matijevich served as Deputy Director of Space Policy in the Office of the Secretary of Defense at the Pentagon, developing and implementing DoD space policy worldwide and working directly with counterparts in the UK Ministry of Defence and Australian Department of Defence. At the National Reconnaissance Office, he served as the NRO Director's personal representative to U.S. European Command, was deployed by-name request with Joint Special Operations Task Force during Operation Iraqi Freedom, and developed EUCOM's counter-terrorism overhead collection plan. He later served as Chief Engineer and Programme Manager for the Transformational Communications Satellite programme, overseeing a $600 million budget and $1.3 billion in contracts with Boeing, Ball Aerospace, Lockheed Martin, Northrop Grumman, and MIT Lincoln Laboratory — achieving all Technology Readiness Level requirements twelve months ahead of schedule.

Cpt Matijevich holds a Bachelor of Science in Aerospace Engineering from Mississippi State University and a Master of Science in Astronautical Engineering from West Coast University. He is a U.S. Coast Guard Licensed Ship's Master and has published extensively on smallsat technology, counter-UAS, and national security space policy.

Cpt Matijevich will be assisting 14D in the following key areas:

- **UAV Technology Positioning** – assisting 14D in ensuring its drone technology is architected and positioned to directly address the operational requirements of U.S. and allied military and government customers, to increase competitiveness in the defence procurement processes.
- **U.S. and Allied Defence Market Access** – Having worked directly within the Office of the Secretary of Defense, the National Reconnaissance Office, U.S. European Command, and allied defence establishments in the UK and Australia, Cpt Matijevich will leverage his relationships to introduce 1414 Degrees to key decision-makers and procurement authorities.
- **Congressional and Executive Branch Engagement** – Cpt Matijevich has a well-established track record of engaging directly with Members of U.S. Congress and Executive Office officials on national security technology policy, and will assist 1414 Degrees in building profile and advocacy with key government stakeholders whose decisions shape defence technology procurement budgets.
- **Strategic Partnerships with Defence Primes** – Having held senior roles at Airbus, BAE Systems, Northrop Grumman, and SAIC, and built relationships with Boeing, Lockheed Martin, and MIT Lincoln

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Laboratory, Cpt Matijevich is well-placed to facilitate partnerships between 14D and major global defence prime contractors that could accelerate 14D's product development and route to contract.

- **Unmanned Systems Architecture and CONOPS Development** – Drawing on his extensive experience designing mission architectures and concepts of operations for advanced unmanned aerial and surface systems, Cpt Matijevich will assist 14D in developing the operational and technical frameworks that underpin its drone division's product offering, ensuring alignment with the requirements of defence and government end users.
- **Scaling Strategies** – technical assistance and guidance on scaling up 14D's technology to create larger and higher-capacity batteries designed for more demanding applications.
- **Exploring additional potential applications for 14D's technology** – exploring, evaluating, and spearheading peripheral use applications for the Company's SiNTL technology beyond the drone market, including potential applications in robotics, unmanned ground and underwater vehicles, electrically-powered aircraft, sea glider vehicles, autonomous delivery vehicles, and other emerging platforms that could materially expand the addressable market for 14D's technology.
- **Liaison support with George Washington University** – assist Peter Yaron and the 14D team with technical liaison, testing programs, product development and assessment of new opportunities to fast-track commercial development from lab-based research into defence-ready applications.

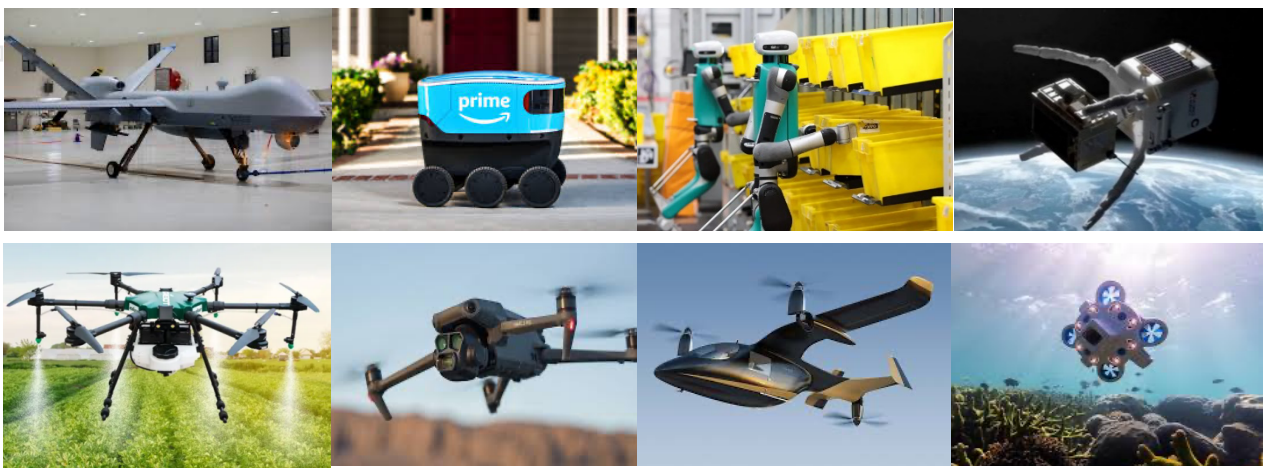
Commenting on the formation of the Advisory Board, Dr Kevin Moriarty, Executive Chairman said:

"The formation of this Advisory Board marks a significant step in 1414 Degrees' commercialisation journey. We have brought together six experts with direct relationships across the Pentagon, Lockheed Martin, Airbus, Northrop Grumman, Rafael, GE Aviation, BAE Systems and many other leading organisations – people who understand both the technology and the procurement pathways that matter in this sector.

The global drone and UAV market is experiencing a significant shift, with billions of dollars being spent on unmanned air, ground and sea vehicles. The biggest constraint on these systems is battery performance. We believe SiNTL™ addresses that problem directly.

The Advisory Board is actively engaging and we look forward to reporting meaningful progress to shareholders as these efforts develop.

Examples of potential applications and addressable markets for 14D's Aerospace, Drone & Defence division:




*Top row L to R: military UAV, Amazon delivery UGV, warehouse robotics, satellite*
*Bottom row L to R: agricultural drone, surveillance drone, eVTOL electrically-powered aircraft, sea drone*

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*Left: NASA's proposed lunar terrain vehicle (LTV)*

## SiNTL™ Applications for Drones and UAVs

The fundamental performance requirements of drone and UAV applications align directly with the specific technical characteristics and current development stage of 14D's SiNTL next generation battery material:

- **Superior Energy Density:** Drones are acutely sensitive to weight and energy capacity. SiNTL has demonstrated 530 mAh/g specific capacity in test cells — approximately 50% higher than the theoretical maximum of conventional graphite anodes (~370 mAh/g). Higher energy density translates directly into longer flight times, greater payload capacity, or smaller and lighter battery packs for the same performance — a critical advantage in any airborne application.
- **Lower Cycle Life Requirements Create an Ideal Early Market:** Unlike electric vehicles, which demand thousands of charge-discharge cycles, commercial drones typically require far fewer cycles in operational use. This characteristic makes the drone market the ideal early-stage commercial entry point for 14D's silicon anode technology, which currently offers outstanding energy density but continues to mature in cycle life performance. The Company is targeting the drone market as its first commercial deployment precisely because the technology's current performance envelope is optimally matched to this application.
- **Drop-In Manufacturing Compatibility:** SiNTL is being developed as a direct drop-in replacement for graphite anodes in existing lithium-ion battery production lines. Laboratory testing has demonstrated process compatibility with standard manufacturing equipment, significantly reducing the barriers for battery cell manufacturers to adopt the technology without capital-intensive retooling.
- **Fast Charging Advantage:** Drones operating in high-utilisation commercial or military environments require rapid recharge turnaround. The SiNTL aluminium coating is designed to support faster charge rates than graphite — a commercially significant feature for fleet operators.
- **Stability and Safety:** The proprietary aluminium coating process developed by Professor Michael Wagner's team at George Washington University (GWU) not only mitigates the volume-expansion degradation challenge of silicon anodes but also renders the nanoparticles air- and water-stable — a critical safety and handling attribute for commercial and defence-grade battery production.
- **Scalable, Low-Cost Synthesis:** SiNTL is produced through a one-step, low-temperature aluminium coating method that avoids hazardous reagents such as hydrofluoric acid or silane. This process simplicity underpins a clear pathway to scalable, cost-competitive production — essential for penetrating high-volume commercial markets.

## Built on a Silicon Materials Platform

The establishment of 14D's Aerospace, Drone & Defence Division builds on the Company's core clean energy storage business. SiNTL™ is a natural extension of the same technology base that underpins SiBrick, SiBox and SiPHyR - deep expertise in silicon materials science and high-temperature processing, now directed toward battery materials. Together, these four technologies form a complementary silicon-based energy platform.

The Advisory Board's networks across defence procurement, government agencies and strategic investment are also expected to benefit the Company's broader energy storage business.

| | |
|---|---|
| SiNTL™ | Silicon nanoparticle battery anode technology (exclusive global licence, George Washington University). Aluminium-coated nanoparticles for next-generation lithium-ion batteries with superior energy density and fast charge capability. The primary technology for 14D Aerospace & Defence. |
| SiBrick® | Silicon-based thermal energy storage media storing renewable electricity as high-temperature heat for industrial decarbonisation and grid-scale applications and forming the foundation of the Company's long-duration energy storage systems. |
| SiBox® | Long-duration energy storage technology that converts low-cost renewable electricity into dispatchable high-temperature heat, supporting industrial decarbonisation across energy-intensive sectors. |
| SiPHyR® | A silicon-based methane pyrolysis reactor integrating thermal storage to produce low-emissions hydrogen and solid carbon using renewable energy sources. Carbon output is being explored as a high-value graphitic material capable of combining with SiNTL™ nanoparticles in composite anode production. |

**AUTHORISED BY:**

Dr Kevin Moriarty, Executive Chairman on behalf of the Board of Directors

For investor enquiries or further information, please contact:
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## Appendix

Standard industry rates will apply to retainers. A total of 1 million ordinary shares escrowed for 4 months and 11 million options will be issued to advisory board members. Option terms as follows:

### Advisory Board Option Incentives by Expiry Date

| Security | Number | Exercise price (A$) | Expiry date |
|---|---|---|---|
| Unlisted options | 1,000,000 | 0.20 | 30 June 2028 |
| Unlisted options | 2,000,000 | 0.30 | 30 June 2028 |
| Unlisted options | 1,000,000 | 0.25 | 30 June 2029 |
| Unlisted options | 2,000,000 | 0.30 | 30 June 2029 |
| Unlisted options | 3,000,000 | 0.40 | 30 June 2029 |
| Unlisted options | 1,000,000 | 0.50 | 30 June 2029 |
| Unlisted options | 1,000,000 | 0.50 | 30 June 2030 |

- All securities issued for nil cash consideration as part of Advisory Board remuneration.
- The backgrounds, credentials and professional relationships of Advisory Board members as described in this announcement are based on information provided by those individuals to the Company.
- All options are unlisted and designed to align advisers with medium-term share price performance (FY28–FY30).

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## ABOUT 1414 DEGREES LIMITED

1414 Degrees (ASX:14D) is advancing an integrated clean-energy and industrial decarbonisation platform spanning grid-scale storage, industrial heat, hydrogen and advanced battery materials.

The Company's strategy combines near-term infrastructure revenue with scalable technology commercialisation, underpinned by deep expertise in energy-dense silicon systems and materials engineering. 1414 Degrees owns the Aurora Energy Precinct in South Australia, a development-ready energy and industrial site spanning 16km² within the Upper Spencer Gulf Renewable Energy Zone. Aurora is designed for firmed renewable electricity and co-located high-demand users, with grid access, development approvals and proximity to fibre infrastructure supporting global connectivity. The site is strategically positioned to support data centre operators and other energy-intensive industries requiring reliable, low-emissions power at scale. The Stage 1 140 MW / 280 MWh Battery Energy Storage System (BESS) represents a near-term revenue opportunity, with expansion potential aligned to customer demand.

### Core Platforms:

**SiBrick®:** Silicon-based thermal energy storage media forming the foundation of the Company's long-duration energy storage systems.

**SiBox® (Industrial Heat-as-a-Service):** Long duration energy storage technology that converts low-cost renewable electricity into dispatchable high-temperature heat, supporting industrial decarbonisation across energy-intensive sectors.

**SiPHyR®:** A silicon-based methane pyrolysis reactor integrating thermal storage to produce low-emissions hydrogen and solid carbon using renewable energy sources.

**SiNTL™:** A silicon-enhanced anode material designed to increase lithium-ion battery energy density while remaining compatible with existing manufacturing processes.

1414 Degrees' technologies are unified by a single materials platform — leveraging silicon to store, convert and enhance energy across multiple sectors.

For more information, please visit www.1414degrees.com.au

### Forward-looking statements

This announcement includes forward-looking statements which may be identified by words such as 'anticipates', 'believes', 'expects', 'intends', 'may', 'will', 'could', or 'should' and other similar words that involve risks and uncertainties. These forward-looking statements are based on the 1414 Degrees' expectations and beliefs concerning future events as at the date of this announcement. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of 1414 Degrees, which could cause actual results to differ materially from such statements. 1414 Degrees makes no undertaking to update or revise the forward-looking statements made in this announcement to reflect any change in circumstances or events after the date of this announcement.