

ersonal use only



adisyn

(ASX:A11)



Graphene Materials for UAV Defence Systems

AI1 Drone Radar Absorption Initiative

March 2026



Disclaimer

This information contained in this presentation has been prepared by Adisyn Ltd (ACN 155 473 304) (ASX:A11 or 'the Company') and makes statements about it as well as its subsidiaries, the presentation is for information purposes only. This presentation does not constitute financial product or investment advice or a recommendation to acquire A11 shares and has been prepared without taking into account the objectives, financial situation or needs of individuals. This presentation does not purport to contain all of the information that a prospective investor may require to make an evaluation of the Company or its business activities. Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their own objectives, financial situation and needs and seek legal and taxation advice appropriate to their jurisdiction. A11 is not licensed to provide financial product advice in respect of A11 shares. Certain information in this presentation has been derived from third parties and though A11 has no reason to believe that it is not accurate, reliable or complete it has not been independently audited or verified by A11.

A11, its subsidiaries and their respective logos, are trademarks or registered trademarks of A11, or its subsidiaries. All other registered or unregistered trademarks mentioned in this presentation are the property of their respective owners, and no trademark rights to the same are claimed.

Financial Data - All dollar values are in AUD dollars (AUD or \$) and are unaudited (unless otherwise presented). This presentation has been authorised for release on the ASX by the Board of Directors of A11.

Future performance any forward looking statements, opinions and estimates provided in this presentation are

based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions at the date of this presentation. Forward looking statements including projections, guidance on future earnings, timelines and estimates are provided as a general guide only and should not be relied upon as an indication or guarantee of future performance. An investment in A11 shares is subject to investment and other known and unknown risks, some of which are beyond the control of A11. These forward-looking statements are not guarantees or predictions of future performance and involve known and unknown risks, uncertainties, and other factors, many of which are beyond the Company's control, and which may cause actual results to differ materially from those expressed in the statements contained in this release.

No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this presentation. To the maximum extent permitted by law, Adisyn Ltd and its officers, employees, related bodied corporate and disclaim all liability, including, without limitation, any liability arising out of fault or negligence, for any loss arising from the use of the information contained in this presentation. In particular, no representation or warranty, express or implied is given as to the accuracy, completeness or correctness, likelihood of achievement or reasonableness of any forecasts, prospects or returns contained in this Presentation nor is any obligation assumed to update such information. Such forecasts, prospects or returns are by their nature subject to significant uncertainties and contingencies.

Adisyn Graphene Tech Platform

Adisyn (ASX:A11) is developing advanced graphene solutions addressing two major technology opportunities:

Radar Signature Reduction (emerging vertical)

Problem: Radar detection of drones
Breakthrough: Graphene radar absorption
Markets: Defence, UAV
Market Size UAV: US\$20.7Bn (2026)*
US\$66.5Bn (2035)*

Semiconductor Industry (core track)

Problem: For advanced process nodes, copper interconnects are a bottleneck
Breakthrough: Novel technologies and methods to produce high-quality graphene targeting interconnects
Markets: Semiconductors
Market Size: US\$772Bn (2025)^

Radar Signature Reduction

Graphene Materials for Radar Signature Reduction



The Challenge:

Multi-band Radar Systems Detect UAVs Earlier Than Ever

- Advances in radar technology mean UAVs can now be detected and tracked earlier than ever before. AI-assisted multi-band radar systems are increasingly capable of identifying small, low-altitude UAV signatures.
- Earlier detection significantly expands the reaction window for interception systems.
- As a result, UAVs are increasingly intercepted or neutralized before reaching their intended target.

Materials used in UAVs fail against radar

- Carbon-based materials are excellent for aviation (light & strong) but fail completely against radar due to a large Radar Cross Section (RCS) signature.



The Challenge:

Multi-band Radar Systems Detect UAVs Earlier Than Ever

How Modern Radar Systems Detect UAVs

A radar system:

- Transmits a pulse of radio-frequencies
- The signals hit an object (e.g. a UAV)
- Part of the signal is reflected back to the radar receiver
- The radar measures the strength of the returned signal

That signal strength is usually expressed in decibels (dB) because radar signals vary over extremely large ranges of power

Decibels are a logarithmic scale and a 30dB reduction can equate to a 1,000x decrease in radar signature.

The Physical Meaning of 30dB: Reducing Radar Signature by 1,000 Times

Before: Standard UAV (1 Square Meter)

After: Stealth Butterfly (Only 10 sq cm)

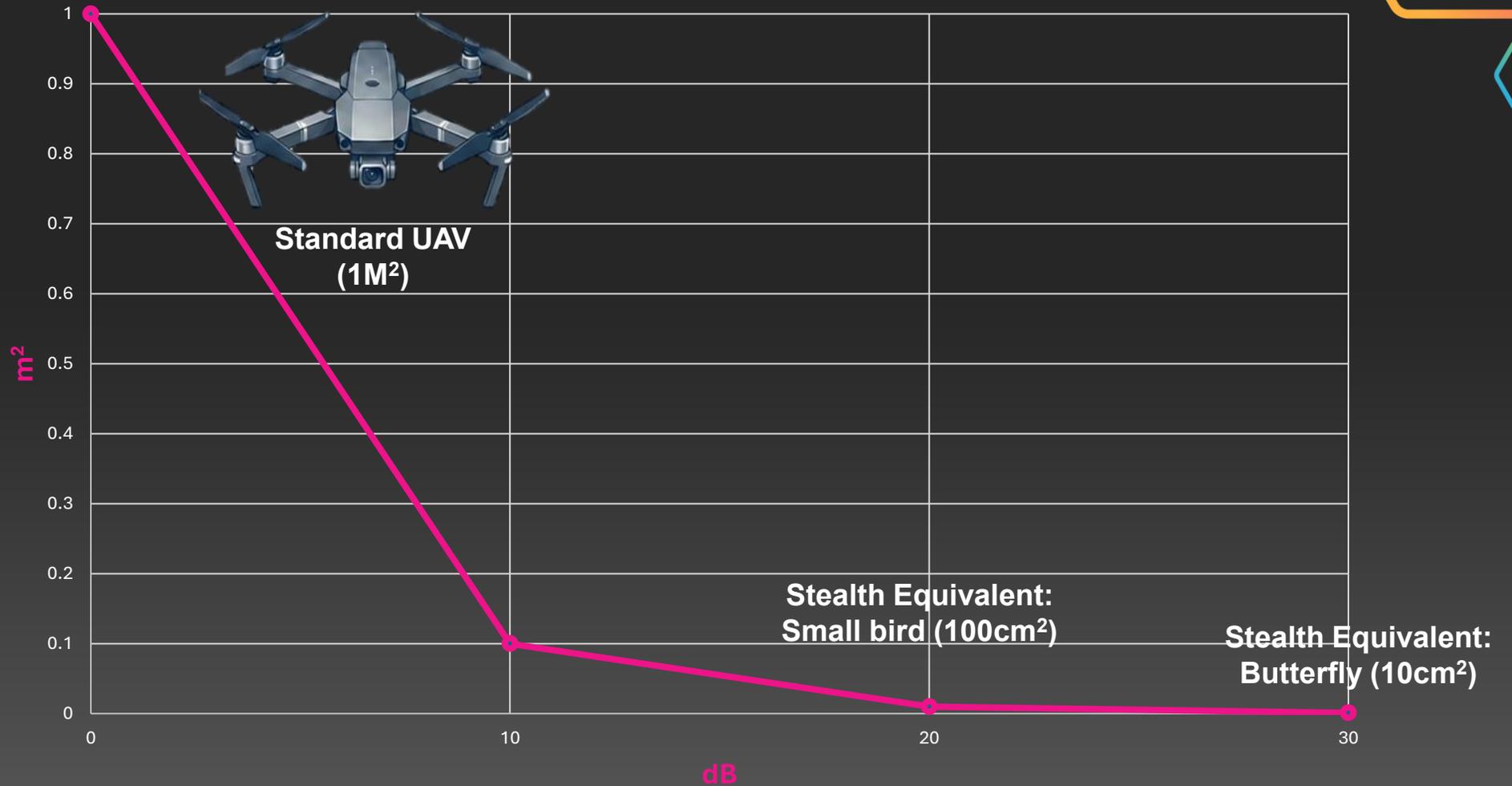


1 Square Meter



10 sq cm Only

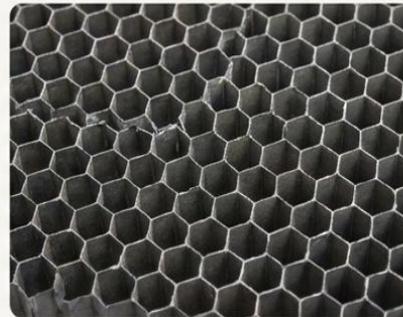
Physical meaning of a 30dB reduction in radar signature



The Adisyn Solution

Graphene-enhanced structural components which are light, strong and possesses significant radar-absorbing properties

Proven Feasibility: 20dB Goal Successfully Achieved in Lab



Current Achievement:

Proven 20dB Reduction

20dB with graphene composites compared to base materials

Successfully Completed

Proven reduction in radar signal return

Optimization Goal:

30dB

Optimization target for 12.2026

Current Achievement:

Proof-of-Concept result - 20dB Reduction (100-fold decrease in radar return) successfully achieved in the lab by integrating advanced 2D graphene materials directly into the printed plastic matrix.

Target Performance:

Ongoing optimization targeting ~30 dB radar signature reduction (can equate to 1000-fold decrease in radar return). This reduction substantially surpasses current conventional products and would permit access to higher-margin markets

Clear Industry Demand

Strategic advantages for aerospace and defence sectors in using graphene-enhanced materials in UAV manufacturing include:

Reduced Radar Detection:

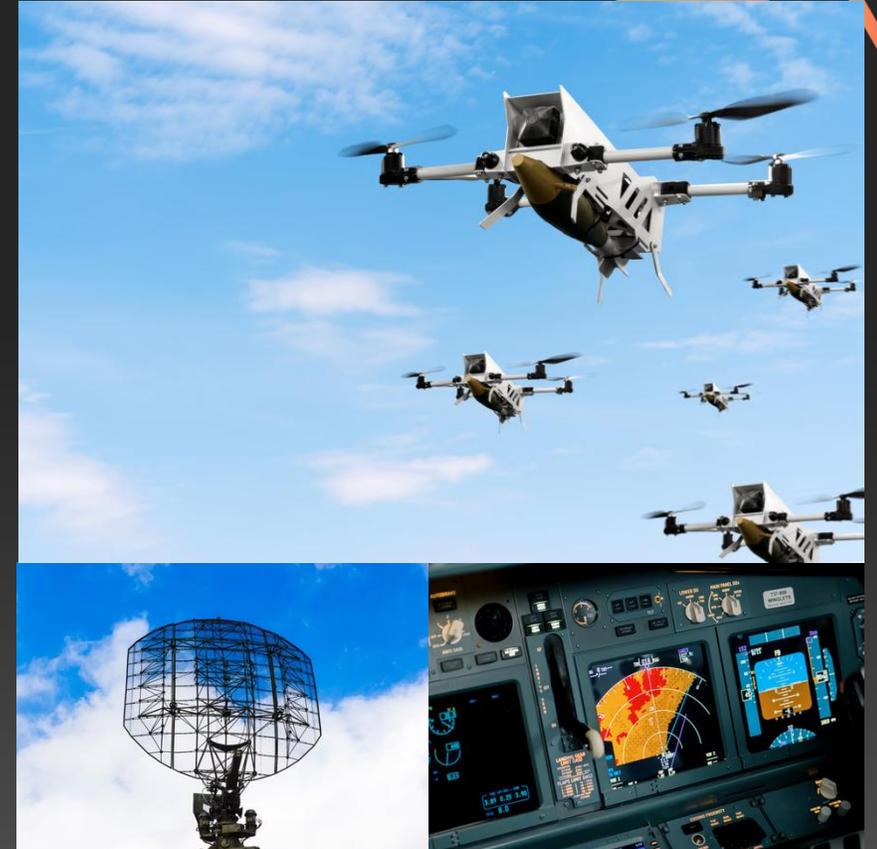
Drastic reduction in RCS, making it significantly harder for air defence systems to detect and track the UAV.

Enhanced Penetration Capability:

Enables silent approach to high-value targets without early detection.

High Survivability:

Increased probability of mission success with minimum losses.



Size of The Prize

Military Drones Market – Global Forecast

- **2026 Market Size: US\$20.7Bn**
- **2035 Forecast Market Size: US\$66.5Bn**

*“Several factors contribute to the growth of the military drones market, such as the increase in defense & homeland security spending, the continual shift towards unmanned and autonomous warfare, growing need for border security and maritime surveillance, and expansion of electronic warfare and payload capabilities.”**

- **Further opportunities in aerospace and other markets**



Proven Scientific Leadership

Prof. Pavel Ginzburg - Full Professor of Electrical Engineering at Tel Aviv University

- ❖ A world-renowned researcher in radar physics and electromagnetics leads the research program.
- ❖ Core Expertise: Metamaterials, radar scattering control, and advanced antenna systems
- ❖ Award Recognition: February 2026 – awarded a prestigious European Research Council (ERC) Proof of Concept (PoC) grant. Only 150 worldwide.
- ❖ Role in Project/company: Technology Leader



TEL AVIV אוניברסיטת
UNIVERSITY תל אביב

Clear Development Roadmap

Visible pathway towards development and eventual commercialisation of radar technology:

- ❖ **Proof of concept (20 dB) ✓**
- ❖ **Subsidiary – 2D Radar Absorbers Ltd ✓**
- ❖ **Ministry of Defence grant application**
- ❖ **Manufacturer collaborations**
- ❖ **Defence-focused advisory board**
- ❖ **Drone company collaborations**



Corporate Snapshot

Adisyn (ASX:AI1) is developing advanced graphene materials addressing two major technology opportunities:

1. Semiconductor Interconnects (core track)

Through 2D Generation (a fully owned subsidiary) – development of novel technologies and methods to produce high-quality graphene, in a low-temperature process, targeting semiconductors interconnect and other applications.

2. Radar Signature Reduction for UAV & defense systems (emerging vertical)

Leveraging deep graphene expertise in developing enhanced composite materials in radar reflection reduction. Successful proof-of-concept (“POC”) program completed in collaboration with Tel Aviv University.

Corporate Snapshot

- Share Price¹ (A\$): 0.049
- Market Cap (A\$): 41M
- Cash 31/12/2025 (A\$): 4.9M

Board of Directors

- Kevin Crofton – Chairman
- Arye Kohavi – Managing Director of Adisyn, CEO of 2D Generation
- Dominic O'Hanlon – Non-Executive Director
- Blake Burton - Executive Director



Board In Focus

Arye Kohavi MD at Adisyn, CEO of 2D Generation



Arye is an Israeli entrepreneur and innovator. He was the founder, president & Co-CEO of Water-Gen, which develops water-from-air and air dehumidification technologies. Kohavi holds an MBA (Finance) and a BA in Economics and Accounting, both from the Hebrew University in Jerusalem.

Awards:

- Arye has been chosen as one of the world's 100 Leading Global Thinkers, and one of the world's top innovators, by "Foreign Policy" magazine.
- Water-Gen, founded by Arye, was chosen as one of the World's 50 Most Innovative Companies, by "Fast Company" magazine.
- As part of Israel's 70th anniversary celebrations, the Israeli Ministry of Economy and Ynet readers chose Water-Gen as one of the "Nine Greatest Israeli Inventions of All Times".
- Water-Gen's Genny was chosen as one of the world's 100 Best Inventions, by TIME magazine.



Kevin Crofton Non-Executive Chairman



Kevin Crofton has more than 30 years' experience in the semiconductor industry, holding senior leadership roles at global technology companies including Lam Research, KLA Corporation, Comet AG, Newport Corporation, NEXX Systems and Aviza Technology.

- In 2006, he led a private equity-backed buyout of Aviza Technology UK, forming SPTS Technologies, where he served as President and Managing Director until 2020. Under his leadership, SPTS grew into a highly profitable market leader generating £500M in revenue, before being acquired by Orbotech, which was later purchased by KLA for US\$3.4B.
- Mr. Crofton served as CEO of Comet AG (SIX:COTN) from 2020 to 2022, delivering 60% revenue growth to CHF600M, nearly doubling EBITDA and increasing market capitalization from CHF0.8B to CHF2.2B.
- He also served eight years on the board of SEMI, including as Vice Chair and Chair, and has advised US Senator Mark Warner on the CHIPS Act and Virginia Governor Glenn Youngkin on semiconductor initiatives. Mr. Crofton holds an MBA from American University and a BS in Aerospace Engineering from Virginia Tech.

Investment Highlights



Adisyn's graphene expertise creates the potential for multiple commercial applications across high-value global industries.

Defence Industry / UAVs:

Graphene-enhanced materials targeting radar signature reduction.

Semiconductor Interconnects:

Graphene-based solutions for next-generation semiconductor devices.



Opportunity to transform a global markets



Major early-mover advantage



World-leading results



Partnerships to drive development



Landmark agreement accelerates research



Strong leadership

ersonal use only



adisyn



CONTACT DETAILS

Arye Kohavi – MD of Adisyn,
CEO of 2D Generation
arye@2DGeneration.com

David Tasker – IR / PR
dtasker@chapteroneadvisors.com.au

Michael Shaw-Taylor – Corporate Advisor
mst@sandtoncapital.com.au

Thank you



adisyn