

ASX Announcement
9 January 2025

2D Generation Acquisition Completed

Acquisition of leading semiconductor technology

Highlights:

- Adisyn has formally completed the acquisition of 100% of semiconductor IP business, 2D Generation
- All securities have now been issued to 2DG shareholders, of which all are escrowed for 6 to 24 months
- 2D Generation's founder and CEO, Arye Kohavi, to join the board as non-executive director
- 2D Generation's semiconductor IP is a critical advancement in semiconductor technology that will enable the next generation of Generative AI and semiconductor solutions for large data centres and beyond
- AI1 is preparing for an exciting 2025 as it looks to advance its newly acquired semiconductor technology including:
 - Continuing to further develop and refine processes by applying 2DG's current Atomic Layer Deposition (ALD) machine
 - Taking delivery of the latest Beneq ALD
 - Working closely with leading semiconductor companies to drive material outcomes
 - Identifying and developing additional applications for our core technology
 - Engaging experienced semiconductor personnel to accelerate development of the interconnect and other opportunities

Adisyn Ltd (**ASX: AI1**) ("**Adisyn**" or the "**Company**") is pleased to announce the successful completion of the acquisition of a 100% interest in 2D Generation Ltd ("**2DG**") (the "**Acquisition**") (ASX: 4 Nov 2024).

All securities relating to the Acquisition have now been issued. All shares issued to shareholders of 2DG have been escrowed for at least 6 months from settlement of the Acquisition, with approximately 80M shares escrowed for 2 years.

2DG's Founder and CEO, Arye has a successful track record as an entrepreneur and innovator. He was the founder, president & Co-CEO of Water-Gen, which developed water-from-air and air dehumidification technologies and was acquired for a significant amount. Kohavi holds an MBA

(Finance) and a BA in Economics and Accounting, both from the Hebrew University in Jerusalem. Arye has been the recipient of a number of 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 of year 2019, by TIME magazine.

As required under Australian law, Arye's appointment will not take effect until he has obtained a director identification number (Director Id). It is anticipated that Justin Thomas will step down as non-executive director upon the appointment of Arye.

Background to 2D Generation's Solution

2DG has developed a patented solution allowing graphene coating at sub-300 degrees centigrade, an achievement that has never been successfully completed prior to 2DG. This opens the door to the next generation of semiconductors capable of further miniaturisation, lower power consumption, less heat and greater computational power.

2D Generation's innovative technology centres around the aim of improving the performance and capabilities of the interconnect.

- An interconnect in a semiconductor refers to the conductive pathways that connect different components or regions within an integrated circuit (IC).
- These interconnects are crucial for the functionality of the IC as they facilitate the flow of electrical signals between transistors, capacitors, resistors, and other elements on the chip.
- Interconnects can be made of various materials, typically metals like aluminium or copper, and they can be implemented in different layers within the semiconductor structure.
- As IC's have become more complex, with smaller and more densely packed features, the design and materials used for interconnects have evolved to address issues such as resistance, capacitance, and signal integrity but have reached scalability limitations.

The interconnect field has emerged as a critical technological barrier hindering industry progress. Overcoming this challenge is recognised as the "Holy Grail" within the industry, promising

accelerated rates of and continued miniaturisation. Industry giants recognise that the entity with a viable solution stands to gain a substantial competitive advantage.

Enter 2D Generation. With its groundbreaking innovation enabling in-situ ALD graphene deposition on the interconnect at below 300 degrees Celsius. An achievement that has never been done successfully prior to 2DG. This focus on graphene integration sets 2D Generation apart, presenting a disruptive technology that has the potential to reshape the landscape of semiconductor manufacturing.

Looking Forward

Managing Director of AI1, Blake Burton, says “we are extremely excited to have completed this transformational acquisition, and I welcome all new shareholders to AI1. The team is eager to execute on our strategy and bring 2DG’s revolutionary semiconductor technology to the world.”

Founder and CEO of 2D Generation, Arye Kohavi, says “with the acquisition now complete, we can focus on delivering meaningful results for our shareholders. We continue to develop and refine our processes using our current Atomic Layer Deposition (ALD) machine, while we await delivery of the latest Beneq ALD. We remain excited about the opportunities available through the ConnectingChips consortium and our partnerships with world leading semiconductor companies. We will also continue to identify and develop additional applications for our core technology, which has the potential to not only revolutionise how we make chips but other high-tech products as well.

-ENDS-

This announcement has been approved for release by the board of Adisyn Ltd.

Further Information:

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About 2D Generation

2D Generation is a high-tech company specialising in graphene-based solutions for the semiconductor industry. Founded by experienced entrepreneurs and scientists, the company is dedicated to overcoming current technological limitations by developing faster, stronger, and more energy-efficient computer processing solutions. These advancements will support the next generation of AI, data storage, telecommunications, cybersecurity, mobile devices, and more.

About Adisyn

Adisyn (ASX: AI1) is a provider of managed technology services and solutions, primarily targeting the SME market. The company aims to be the preferred sovereign provider for SMEs in the Australian defence industry supply chain. Adisyn's offerings include a range of solutions tailored to this growing market segment, leveraging internal capabilities and strategic partnerships, particularly in cybersecurity and AI.

Forward-looking statements:

Statements contained in this release, particularly those regarding possible or assumed future performance, revenue, costs, dividends, production levels or rates, prices, or potential growth of Adisyn Ltd are, or may be, forward-looking statements. Such statements relate to future events and expectations and as such, involve known and unknown risks and uncertainties. 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.

The Company cautions shareholders and prospective shareholders not to put undue reliance on forward-looking statements, which reflect the Company's expectations only as of the date of this announcement. The Company disclaims any obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by law.