



# Investor Presentation

February 2018

Certain statements contained in this presentation, including information as to the future financial or operating performance of Ionic Industries Ltd (“Ionic”) and its projects, are forward looking statements. Such forward looking statements:

- include, among other things, statements regarding incomplete and uncertain proposals or targets, production and prices, operating costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Ionic, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward looking statements.

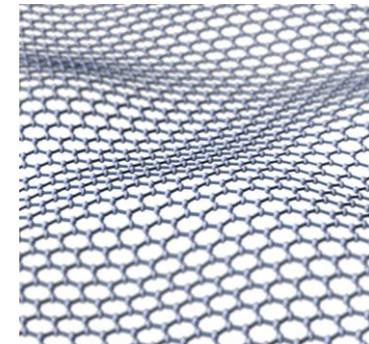
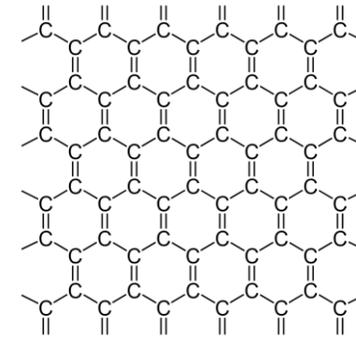
Ionic disclaims any intent or obligation to update publicly any forward looking statements, whether as a result of new information, future events or results or otherwise. The words “believe”, “expect”, “anticipate”, “indicate”, “contemplate”, “target”, “plan”, “intends”, “continue”, “budget”, “estimate”, “may”, “will”, “schedule” and similar expressions identify forward looking statements.

All forward looking statements made in this presentation are qualified by the foregoing cautionary statements. Recipients are cautioned that forward looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein

Graphene is a carbon allotrope consisting of a single layer of carbon atoms arranged in a lattice structure. The potential commercial applications for graphene are vast and it has the capacity to change the face of almost every industry in the world – from electronics and renewable energy to water treatment, construction and aerospace engineering.

Graphene has a plethora of “super” qualities:

- the strongest material ever tested
- the most electrically and thermally conductive material
- impervious to all gases
- extraordinarily hydrophobic
- it is only one atom thick, therefore nearly transparent

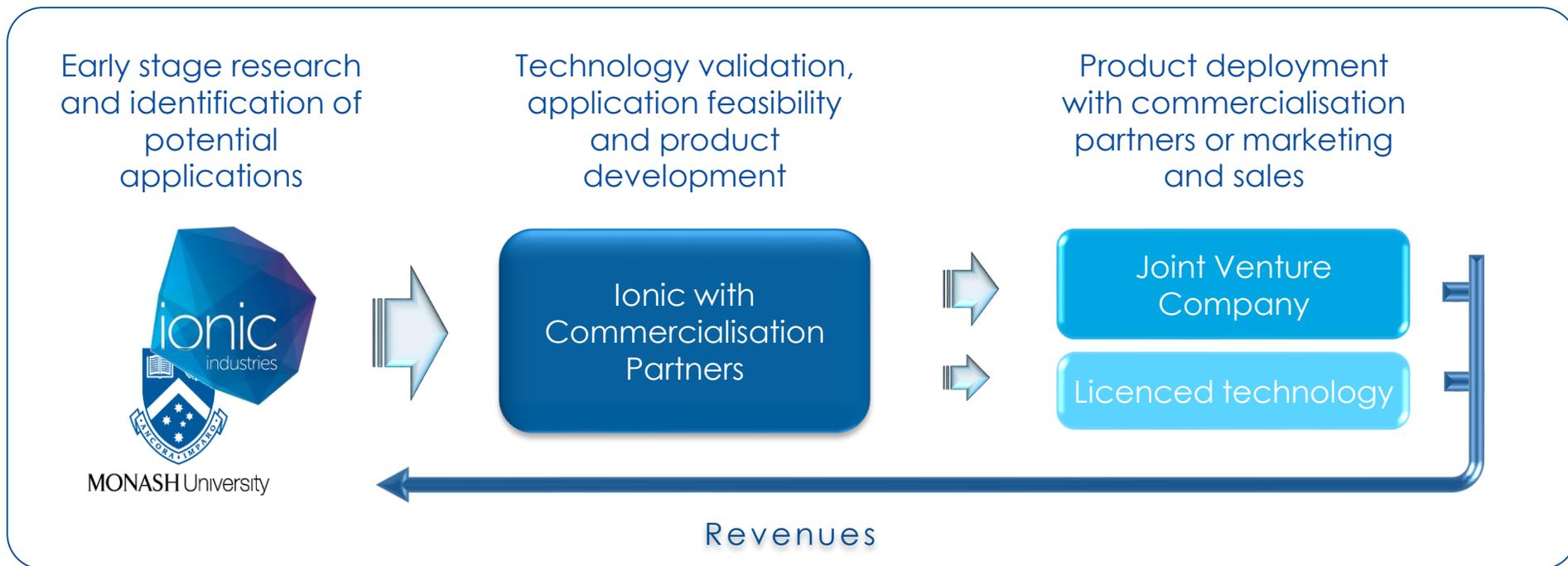


**Leveraging our research team's expertise in graphene materials, Ionic is commercialising technologies to confront some of the greatest challenges facing human kind today in the fields of water treatment and energy storage.**

# An Innovative, Partnership Strategy

Our strategy involves the formation of strategic partnerships with industry leading companies who have the expertise to incorporate our graphene-based technologies into commercial products.

Working with our partners will provide critical validation of our technologies, demonstrate a clear path to commercialisation and revenues and show how we will deliver value for our shareholders.



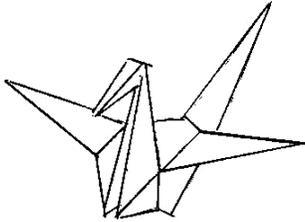
Ionic's membrane and adsorbent water treatment technologies are closest to commercialisation



- Work is ongoing in close collaboration with CleanTeQ and funded under a \$1.2 million government CRC-P project
- The next major milestone will be confirmation of economic products in the next 4-8 weeks, which will trigger the formation of our JV with CleanTeQ
- Primary target markets are industrial scale nanofiltration wastewater treatment in China and Middle East
- Secondary target markets will include wastewater treatment in India and global markets with a reverse osmosis membrane.
- The advantages of Ionic technology will be a cheaper NF membrane that significantly outperforms current polymer technologies in terms of flux, anti-fouling and functionalisation

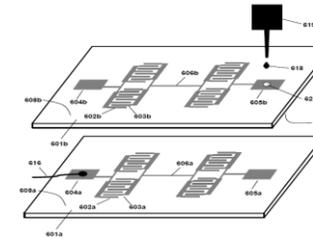


Ionic's supercapacitor technologies are next generation energy storage with vast potential applications



Based on our previous patents and know-how developed over the past 6 years, we have developed a simple graphene supercapacitor that will open the door for entirely new applications:

- Cheap to produce, so good for low cost / disposable applications
- Meeting high power requirements, but lower energy density than our MICRENS
- IoT, remote sensing and RFID markets - \$27 trillion by 2027



New patent: Capacitive energy storage device and method of producing same

- A planar micro supercapacitor printed on a porous film – with **no current collector** which means much lower volume and smaller devices;
- Our technique of stacking multiple layers of planar supercapacitors to create a 3D device that has ground-breaking energy and power density characteristics; and, most importantly,
- Target markets in medical devices and wearable electronics, with a longer-term focus on larger applications

Shares on Issue	582,161,459
Maximum Raising (no minimum)	\$3,492,000
Issue Price of Shares	\$0.04
Shares on offer	87,300,000
Last agreed price	\$0.04
Options extant	144,402,610

Ionic has assessed that it will qualify as an Early Stage Investment Company (ESIC) under the Federal Government's Innovation policies and investment in an ESIC carries unique taxation advantages. These include that investors will obtain a tax offset (essentially a tax deduction) of up to 20% of any investment in Shares made under this Offer.

In addition, any Shares issued before 30 June 2018 will be tax free from capital gains tax for up to 10 years provided they are held for not less than 12 months.

As in all cases, investors are advised to seek their own financial guidance on these issues.

Collaboration agreement provides Ionic with exclusive global licence to commercialise technologies developed by the NSEL at Monash University

Board of Directors

Simon Savage – Managing Director  
Peter Armitage - NED  
Merlin Allan - NED

Shareholders:

2,303

Top 20 Shareholders:

44.6% pre-capital raisings



Led by A/Professor Mainak Majumder, our Monash Research team is up to 11 graduate and post-doctoral experts across a range of disciplines including chemistry, nano-fluidics, reaction engineering, micro / nano-fabrication, colloidal systems and electro-chemistry.



ionic  
industries

**Thank You**

Simon Savage

Managing Director

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While there are no companies in the Australian market following the same model as Ionic, there are several companies that serve as a useful comparison



## Talga Resources (ASX:TLG)

- Mining company with high grade Scandinavian graphite resources and funding some research on graphene materials in Germany
- Market capitalization ~\$127 million
- ~20% of current expenditure on research and development activities



## First Graphene Limited (ASX:FGR)

- Graphite mining company with Sri Lankan graphite resources and funding graphene research with Swinburne University
- Market capitalization ~\$54 million
- ~20-30% expenditure on research and development activities