



Annual General Meeting 2015

Mark Muzzin CEO

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- 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 SER, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
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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.

Launched our new graphene brand, Ionic Industries, demerged it from SER and appointed a new Board

Bench-scale graphene facility – graphene emerges from the lab to product manufacturing

Exclusive worldwide licence to commercialise Monash graphene IP

Second Australian Research Council Linkage grant on graphene Nano-filtration membranes

Scoping study for graphene oxide pilot plant and a marketing study on SuperSand

Graphene membrane manufacturing machine commissioned

Associate Professor Mainak Majumder addressed the prestigious Royal Society London

Key paper published on planar super-capacitors which places Ionic as the leaders

Spencer renewed access approval agreement

As at 14 October 2015:

ASX code SER (listed August 1991)

Shares Issued	348.6m
Share Price	A\$0.029
Market Cap	A\$10.1m
Top 20	Circa 37%

Approximately 2,250 shareholders

Directors

Mr Glenister Lamont	(Chairman/Non Executive)
Mr Peter Armitage	(Non Executive)
Mr Anthony Rechner	(Technical Director)

CEO

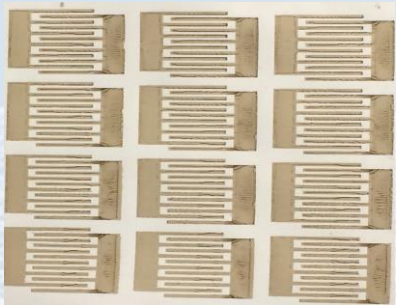
Mr Mark Muzzin

Company Secretary

Ms Melanie Leydin

Ionic Industries will be at the forefront of the race to commercialise cutting edge nano materials based on our proprietary graphene technologies through manufacturing and application in a broad range of industries in water treatment, energy storage, and nano-filtration.

Ionic Industries Update



Ionic Industries continues to forge ahead in the development of graphene-based nano-filtration and energy storage technologies.

- We are currently in negotiations with several major international companies regarding the upscaling and production of graphene oxide nano filtration membranes and super-capacitors
- We have made significant advances in our plans for graphene oxide production. As a result of our research, we have significantly reduced the energy and materials required, boosted efficiency and reduced costs, increased the production capacity of our planned pilot plant, reduced waste and the high costs of waste disposal, making the whole process more cost effective, as well as greener. The redesigned pilot plant will be able to supply sufficient high quality GO to support the next stages of product development and customer engagement in each of our planned product lines

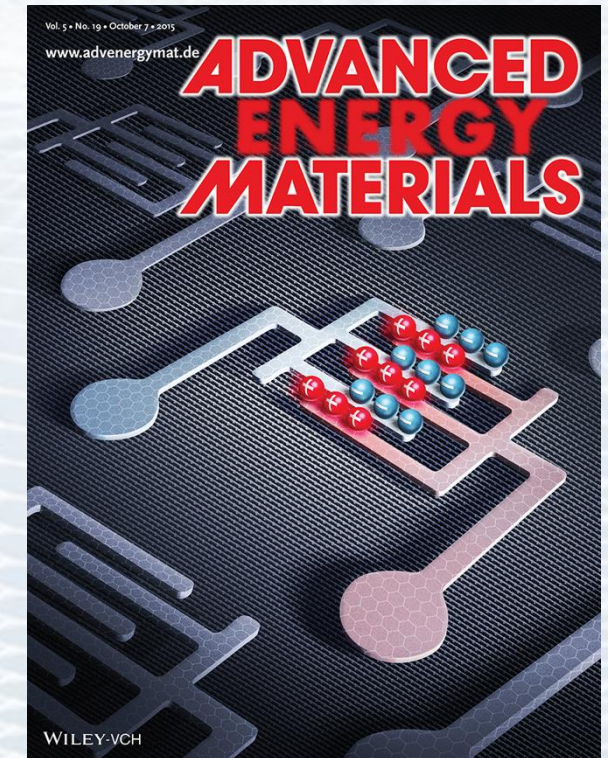
Our negotiations on these issues address a broad range of sensitive intellectual property issues surrounding our own technologies as well as those of our potential partners. We are excited about these developments and look forward to updating shareholders further as these issues progress and information can be publicly released.

Ionic Industries Update

Our research team has continued their success, building on the work achieved under successive Australian Research Council linkage grants with a string of significant, peer-reviewed publications, including:

- “Miniaturized Super-capacitors: Focused Ion Beam Reduced Graphene Oxide Super-capacitors with Enhanced Performance Metrics”, published in Advanced Energy Materials, 2015.
- “Electrochemical Capacitance of Ni-doped Metal Organic Framework and reduced graphene oxide composites: More than the sum of its parts”, ACS Applied Materials and Interfaces 2015

Overall, SER’s major holdings in Ionic Industries (in addition to Valence Industries) bring enormous intrinsic value to SER shareholders.

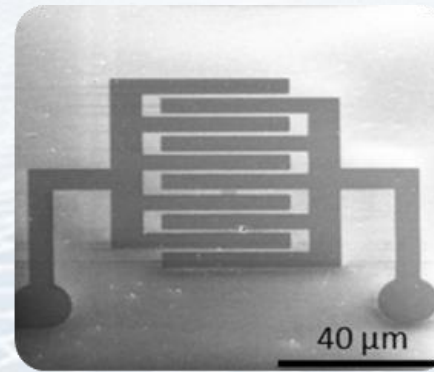


Current Edition Cover Featuring Ionic Industries' Research

Micro Planar Super-capacitors: Recent Test Results

The leading micro planar super-capacitor in the world – as measured by 4 parameters:

- ◆ Energy density
- ◆ Response time
- ◆ Capacitance
- ◆ Resistance



Best power density



Fastest response



Lowest loss



Incredible cycle life

Parameters	Ionic's Technology	Best competitors	What this means
Response time (ms)	0.033	19	rapid power surge and faster charging
Energy density (Wh/cm ³) at a similar power density	0.173	0.002	Sustain high power for longer time
Capacitance (mF/cm ²)	102	2.314	More energy in same volume
Equivalent series resistance (mΩ cm ²)	0.35	3600	Less losses

Nano-filtration Membranes: Latest Capabilities

- Received an Australian Research Council industry linkage grant
- Patent pending in Australia – IP Licence
- Current capability to create 120 x 130mm membranes
- Scalable process with technology to create large graphene membranes



High chemical resistance making them safer and lower maintenance



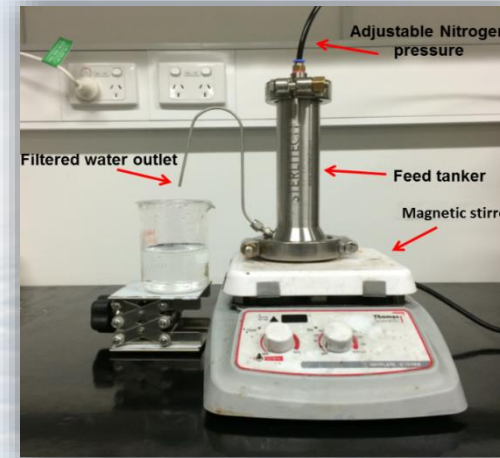
10 x higher flux than polymer membranes resulting in much greater efficiency



High mechanical strength for reduced maintenance and lifetime cost



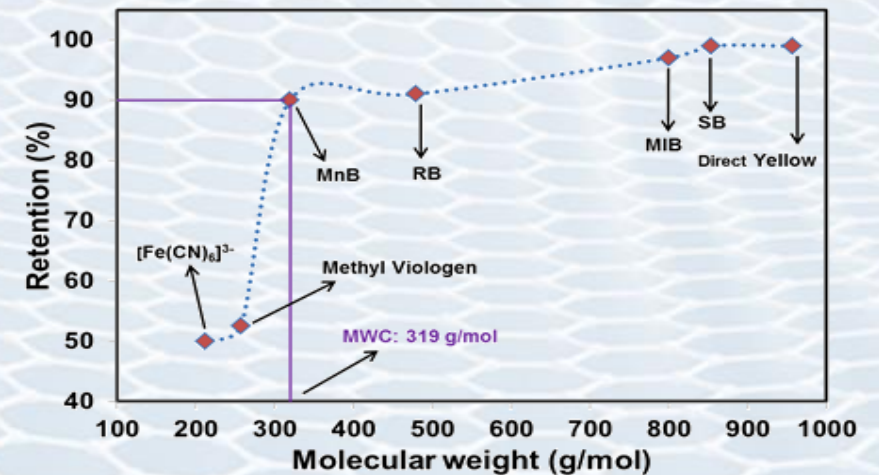
Tuneable selectivity during manufacture for precise customisation



Membrane testing setup

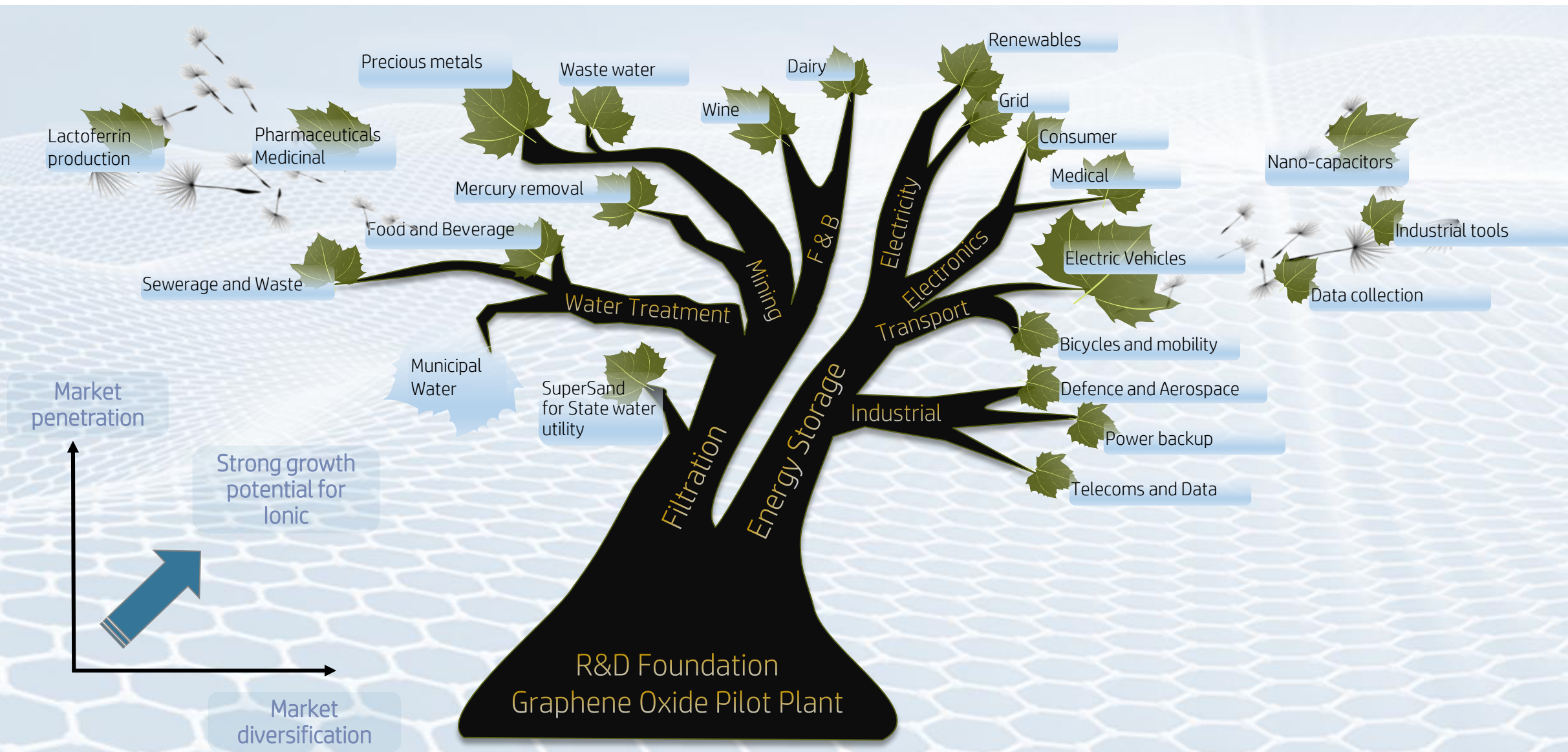


Reduced GO membrane with 4.7 cm diameter



Effective filtration of a wide range of contaminants

We Are Continuously Identifying New Market Opportunities



Current Target Markets



Since 2010, we have led the way in research, development and commercialisation of graphene technologies in several key areas and we will leverage these technological advances, and compete in global markets with enormous growth potential

- SPENCER JOINT VENTURE (SER 75%) EL 5010 - SOUTH AUSTRALIA
- MYALL CREEK (SER 50%) EL 5011 - SOUTH AUSTRALIA
- CASTERON (SER 5%) EL 5040 - VICTORIA
- FALCON BRIDGE (SER 95%) E38/1970 - WESTERN AUSTRALIA

SER holds investments in a number of companies

	<i>Shares held</i>
Valence Industries Limited*	21,788,907
Ionic Industries Limited	87,155,625
Oil Basins Limited	13,000,000
Magnum Gas & Power Limited	20,000,000

*SER holds a 1.5% royalty from any graphite sales of Uley graphite by Valence Industries

SER holds significant intrinsic value

The shareholdings in Valence Industries and Ionic Industries in time should reap substantial investment return for SER shareholders

Thank you