



# Annual General Meeting - Update Report

November 2021

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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;
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# Strategy



We have continued with our collaboration based strategy, focusing on the formation of strategic partnerships with industry leading companies who have the expertise to incorporate our graphene-based technologies into commercial products.



- ⬡ Building on our partnerships and technology over 10 years and \$3.8 million in R&D funding, Ionic is now one of the first companies to demonstrate large scale, commercially viable application of graphene technologies
- ⬡ Collaboration model reduces technology validation risks and accelerates paths to market, thereby reducing uncertainty and business risks
- ⬡ Portfolio approach to technologies and applications mitigates the risk of reliance on a single technology and expands market potential

# Impact of COVID-19



In general, 2021 saw significant interruptions to almost all businesses and industries.

- Ionic has experienced some delays due to some restricted lab access and inability to travel for critical meetings and in-person events
- Despite this, we have survived through a range of initiatives and even made some significant progress on our research and development work:
  - Continued research work on shift-work basis in line with COVID-safe guidelines
  - Continued technical collaboration with industry partners via Zoom
  - Settlement of debt, including Directors and consultants fees, with equity
  - Raised further capital of over \$2 million
  - Received funding from AMGC which has contributed to progressing our scale up work

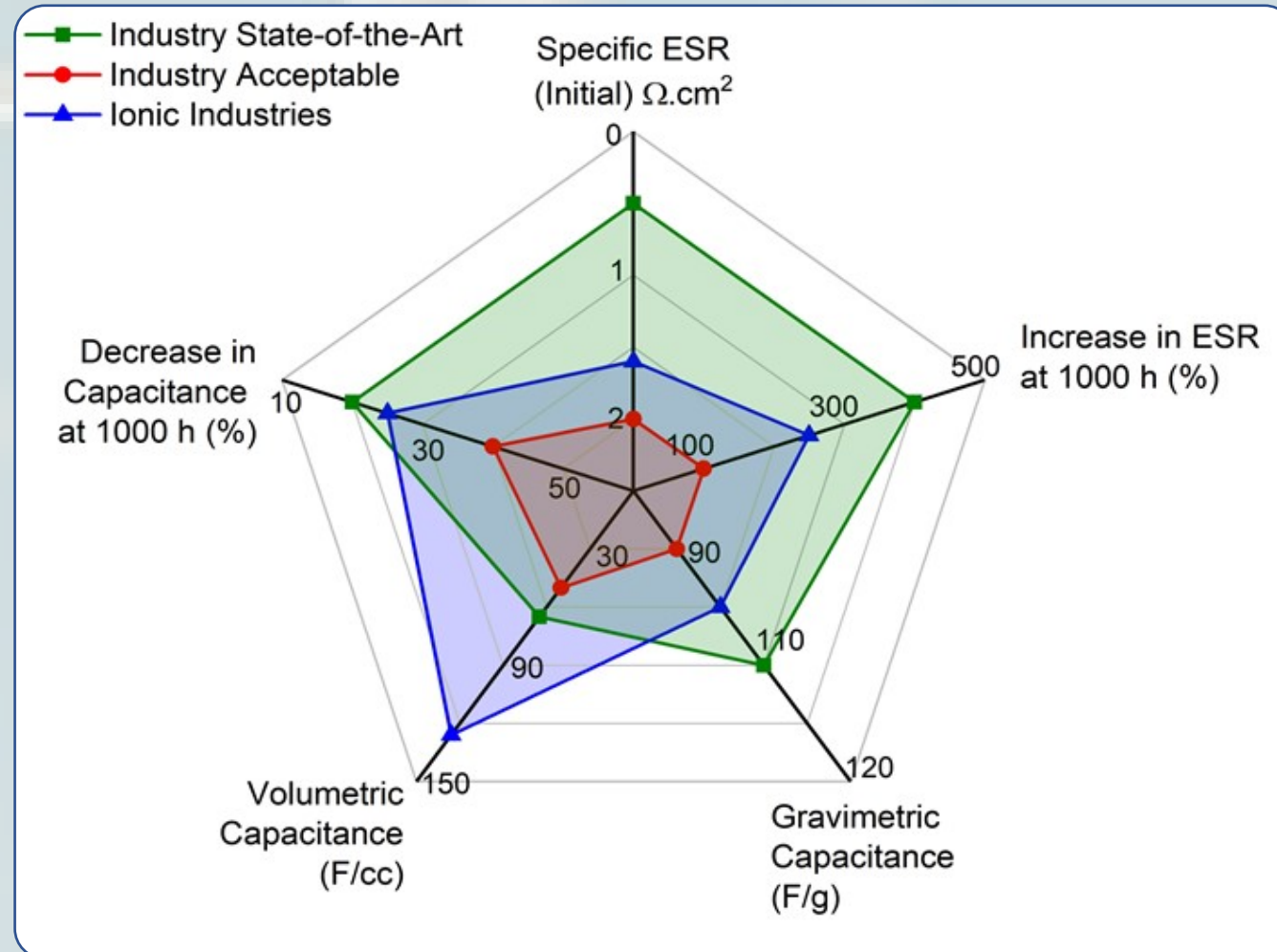
# Research Progress



We have made some good progress on our research and commercialisation objectives:

- ◆ Progress our collaboration with industry partners, with a shift in focus to Australian commercial partners to gain deeper understanding of industry and market requirements
- ◆ Continued improving the performance and manufacturability of our materials:
  - ◆ Optimisation of important performance specifications including equivalent series resistance, gassing and cyclability
  - ◆ Improving the volumetric energy density – now more than double that of activated carbon benchmarks
  - ◆ Enhanced manufacturability with optimised production and coating processes and ink formulation
- ◆ Made significant progress on scale up planning, including schematic designs for factory, procurement of a factory site and procurement of equipment for stage one of the manufacturing plant.

# Current State of Technology



# Next Steps



Having made significant progress on several fronts over the last 12 months, we have a number of near term steps on our path to commercialising our supercapacitor technologies:

- Progress commercial negotiations with industry partners in both supercapacitor industry and end-user applications
- Establishment of manufacturing facility in Glen Waverley, near to Monash University
- Procurement of equipment for phase one of manufacturing facility
- Progress IPO plans with Gadens Lawyers
- Establishment of our own laboratory facilities at the Glen Waverley facility
- Initiation of new hybrid battery capacitor program – with Monash starting Nov 2021



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Thank You

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