

iM3NY

An Introduction

February 2021

Imperium3 New York (dba iM3)

iM3 Mission

Lead technical innovation and development to enable a *greener, cleaner planet* that is sustainable for future generations.

Specifically, evolve technologies that will *advance Lilon battery technologies to lead global standards for performance and environmental impact.*

iM3 Goal

Build technical expertise and manufacturing capability to be –

- Recognized global leader in Lilon battery performance
- The leader in Lilon battery clean manufacturing capability.

iM3 will supply the world's great OEMs with Lilon batteries that meet or exceed all current standards and expectations

Large-scale Lithium-ion Battery Manufacturing

Based in Endicott NY USA

iM3NY - Milestones

2017

- Formation of Imperium3 with C4V technology licensing agreement
- New York State Government Incentives Awarded - Huron Campus, Endicott NY

2018

- Alev0 Battery Plant Acquisition and Relocation - \$170M of fully operational machinery
- Commencement of Feasibility Study and Detailed Engineering
- Detailed product design review and revised design identified and charted
- Manufacturing Re-Engineering Design Complete

2019

- Fundraising begins – disrupted in early 2020 due to pandemic

2020

- Fund Raising resumes for Phase 1

2021

- First Funding Round Achieved with further funding to be completed Q'1 / Q'2
- Completion of Modification and Reassembly of Plant
- Equipment Installation, Test and Commissioning by end of Q'4

2022> 2025

- First Volume Production - Q'2 2022
- Capital raise to achieve 30 GWh production
- Commence production of incremental capacity > 30 GWh

SENIOR MANAGEMENT –

In Place



Bill Shannon

COO

- Ex –Duracell, H&T (Div President), largest cell can manufacturer
- 25+ years in lithium ion



Chaitanya Sharma

CEO

- Ex-Lithium Americas, Tesla (1st engineer for Gigafactory)
- MS Mechanical Stanford Uni
- BTech Mechanical IIT Roorkee



Mike Driscoll

CFO

- Former CFO/CEO of OneCare, ThinSoft, AT&T



Priyadarshi Panda, PhD

VP, Engineering

- Ex- Applied Materials, LAM Research, Intel
- PhD Chemical MIT
- BTech Chemical IIT Kanpur



Brandon Jordan, PhD

Sr. Dir, Engineering

- Ex- LAM Research, Phoenix Systems
- PhD Physics Uni of Nebraska
- BS Physics Uni of Nebraska



Paul Stratton

SVP, Sales & Marketing

- Ex- Duracell, KMP Growth One (Business Owner)
- 35+ years experience in Strategy, Sales & Marketing,
- 18+ in lithium ion industry

Board of Directors - 5 Person

Entrepreneurial Spirit with Deep Industry Experience – Transitioning



Mike Driscoll
CFO

- Led IPO for Technology Applications in 1990
- Former CFO/CEO of OneCare, ThinSoft, AT&T



Chaitanya Sharma
CEO iM3

- Tesla, Lithium Americas
- 10 years of infrastructure development experience
- Stanford, IIT



Shailesh Upreti
Chairman iM3

- 20 years of Li-ion battery experience
- 100+ publications and technology patents



Frank Poullas
CEO

Magnis Energy Technologies
A Publicly Traded Enterprise on
the Australian Stock Exchange

1 New Board
Member from
Magnis Energy
Technologies to
be Appointed

Advisory Board with Broad Depth and Experience



Robert Dobbs

Advisory Board Member

- 45+ years in manufacturing and new technology
- Co-Founder of Primet Precision Materials



M. Stanley Whittingham

Advisory Board Member

- BU Professor
- Inventor of Li-ion battery
- **Nobel Prize in Chemistry 2019**



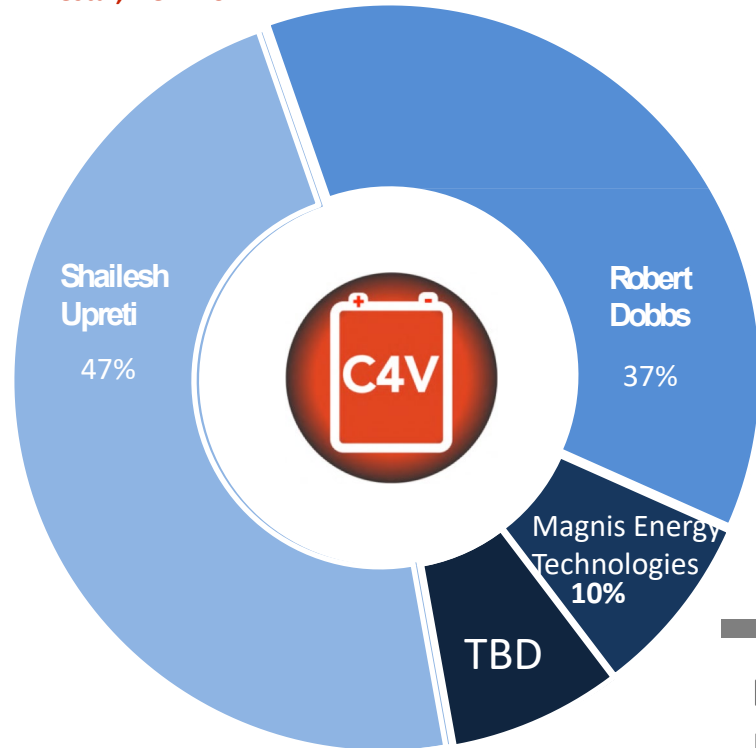
Mike Driscoll

Advisory Board Member

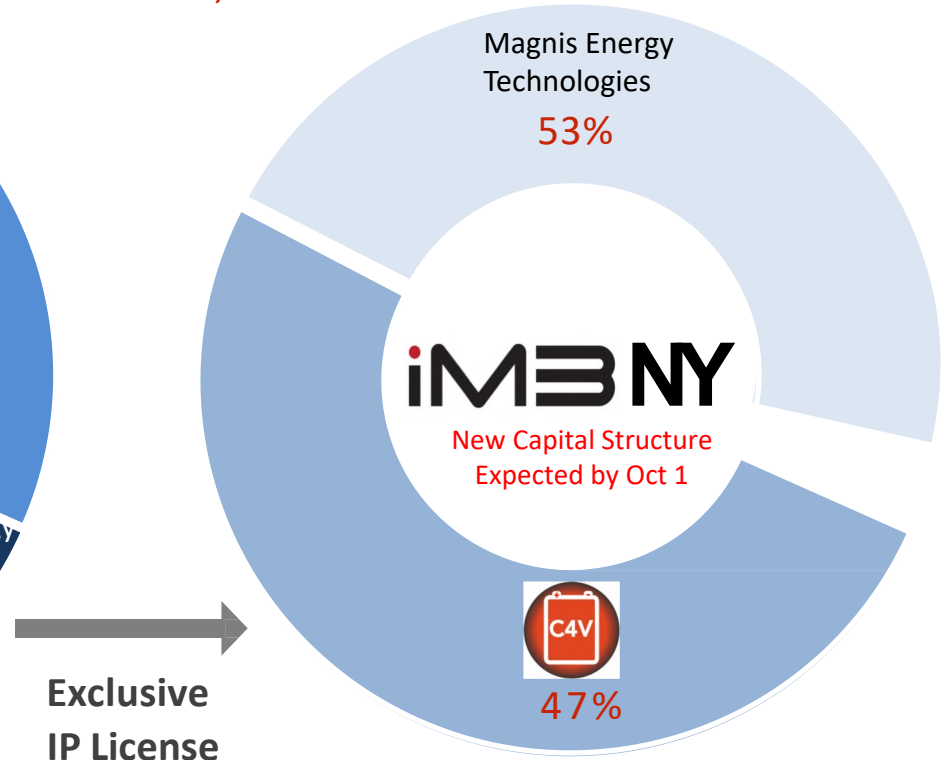
- Led IPO for Technology Applications in 1990
- Former CFO/CEO of OneCare, ThinSoft, AT&T

Exclusive Technology License - C4V to iM3 NY

TECHNOLOGY / R&D
Vestal, New York



MANUFACTURING
Endicott, New York



iM3 Product Advantages – 1st Generation Product - BMLMP

Exclusive License – C4V Patented IP Portfolio (24)

	Patent number
1	US9799883
2	CA2927222A1
3	CN105531853A
4	EP3008767A1
5	US20140363635
6	US20170373317
7	WO2014201049A1
8	US14300209
9	US20140363635A1
10	US9337478B2
11	US20140227595A1
12	US13815258
13	US15149112
14	US15271807
15	US9799883B2
16	US15699815
17	US9793541B2
18	US20170012285A1
19	WO/2014/127014
20	20170012285
21	20160254527
22	20140363635
23	20140227595
24	AP/P/2015/008749

Yields –

1. 3.9V Chemistry
2. 15 – 20% Gain in Capacity vs LFP
 - 190 KWh/KG
 - 400 KWh/L
3. Cycle life approaching 6,000 and view to 10,000+
4. Clean and Green – No Nickel or Cobalt
5. Greatly Enhanced Safety – reduced need for pack level safety devices
6. Light-weight - 70% less than Lead-acid and 20% less than LFP

Market Changing Advances from iM3 with C4V Cathode Technology

Gen 1 Product – Production Available – January 1, 2022 – Samples Q3 '21

iM3 introduces BMLMP cells with patented Bio Mineralization

+20 % capacity gain vs LFP competition – 190+ Wh / Kg vs 150 Wh / Kg
400 Wh / l

3.9 volts – highest of lithium cells versus - 3.7v nickel and 3.2v LFP

6,000 plus cycles - 6 times greater than Nickel cells

Vastly improved safety versus nickel based cells yields improved energy density at pack level

Ultra Rapid Charge capability – 6 Minutes to 85% capacity

Made in the USA with patented American technology

iM3 Cells are the Greenest of any Lilon cells available from materials through manufacturing process

Gen 2.0 – Production Available – January 1, 2024 – Samples June 1, 2021

iM3 will introduce BNCA cells with patented Bio Mineralization

Reduced cobalt design – most environmentally friendly

20% capacity gain vs NCA / NCM competition 300 Wh/Kg vs 250 Wh/Kg

Silicon Doped Anode – Patented methodology

Made in the USA with patented American technology

Further Technical Details Available Upon Request