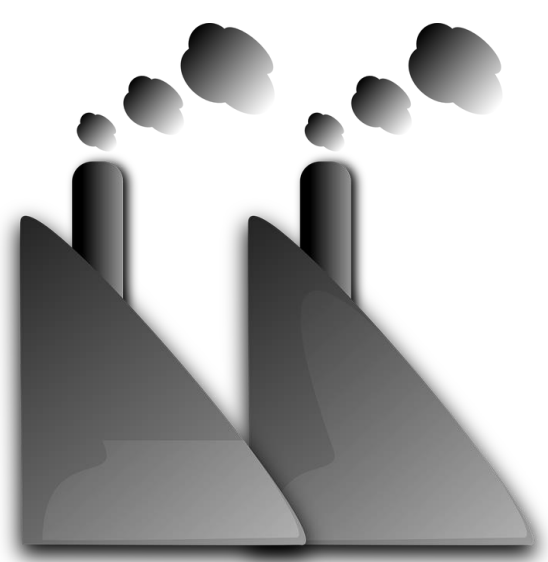


Sustainable membrane solution providers for industry

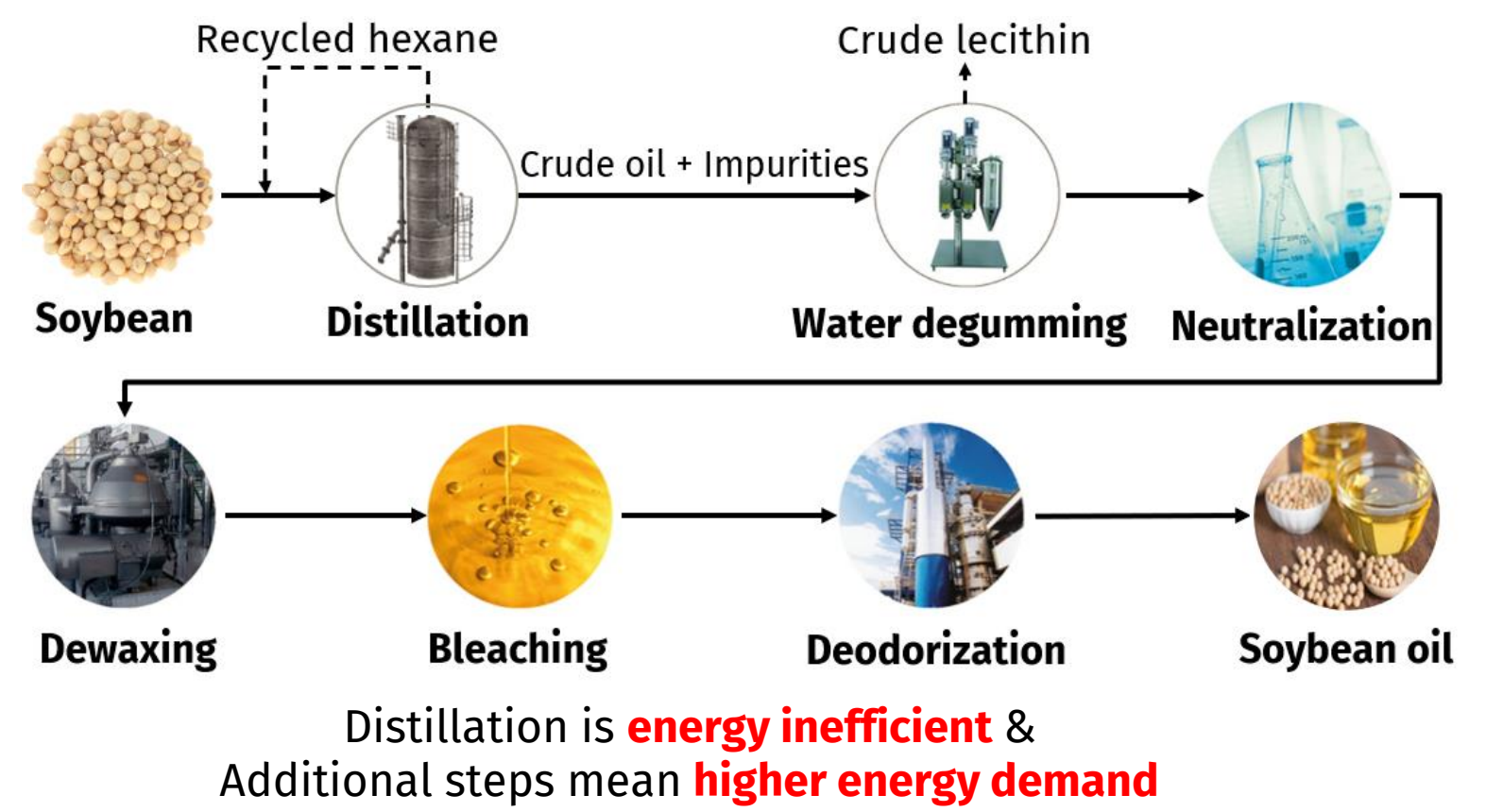
Our Vision: Replace traditional, energy intensive process (e.g. distillation) with membrane separation solution to reduce energy consumption, reduce emission and simplify process.

Problem Statement

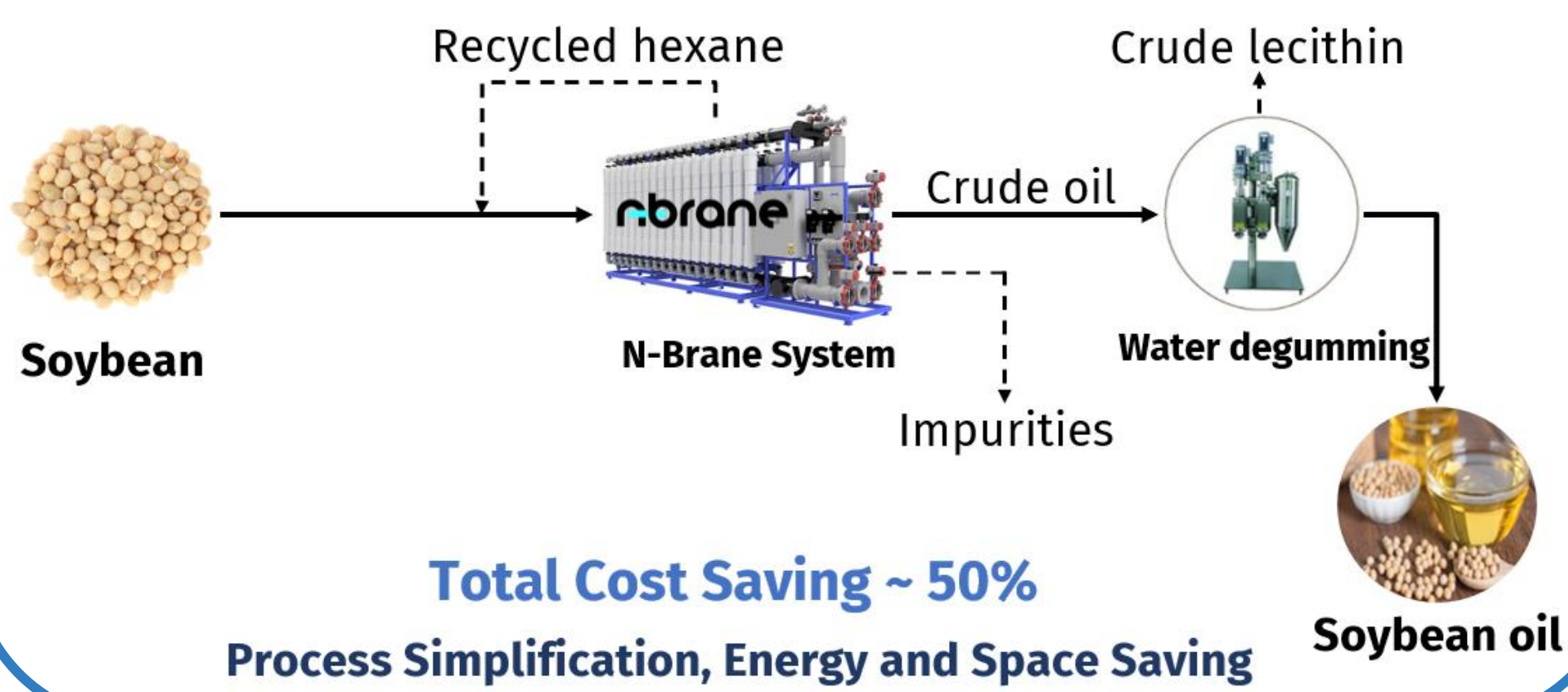


- High carbon emission from industry sector (7.63 billion metric tonnes in 2020)
- Industry sector consumes 37% of global energy (157 x 10¹⁸ J/year in 2020)
- More sustainable solutions are urgently needed to reduce emission

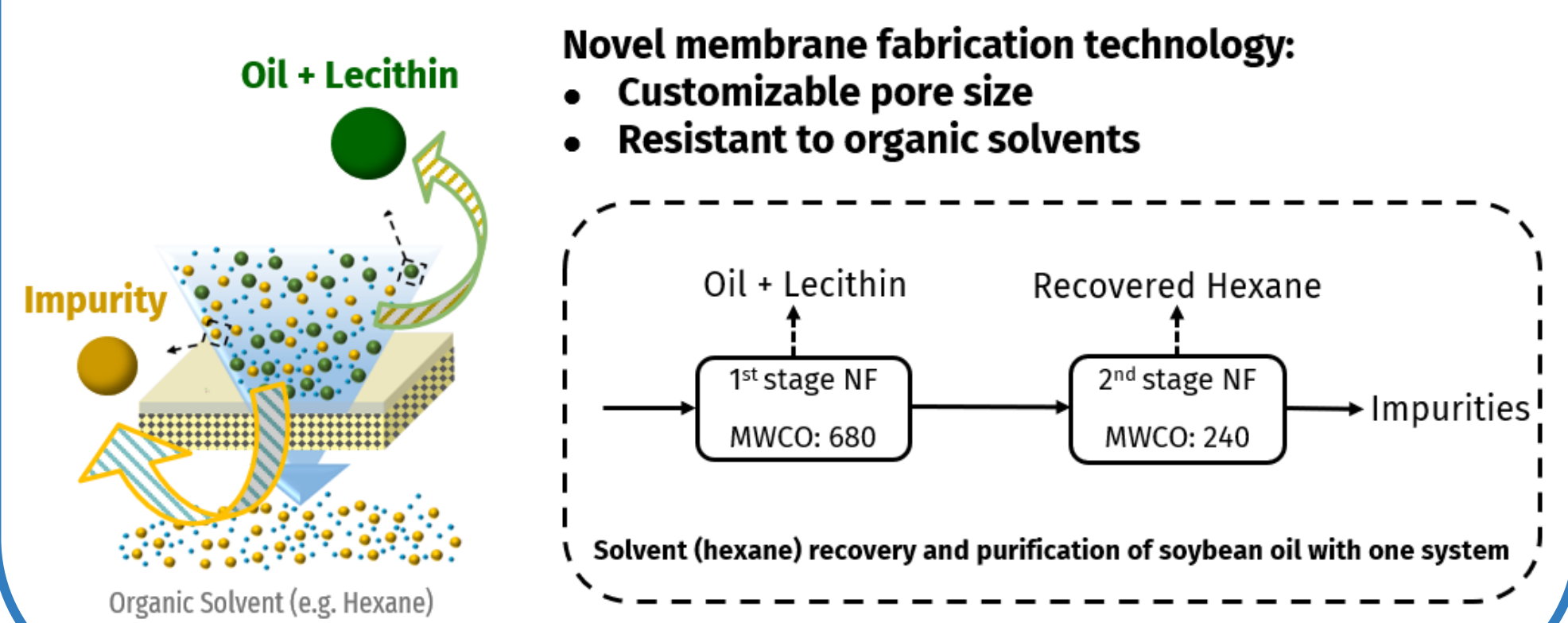
Example: Traditional Soybean Oil Processing



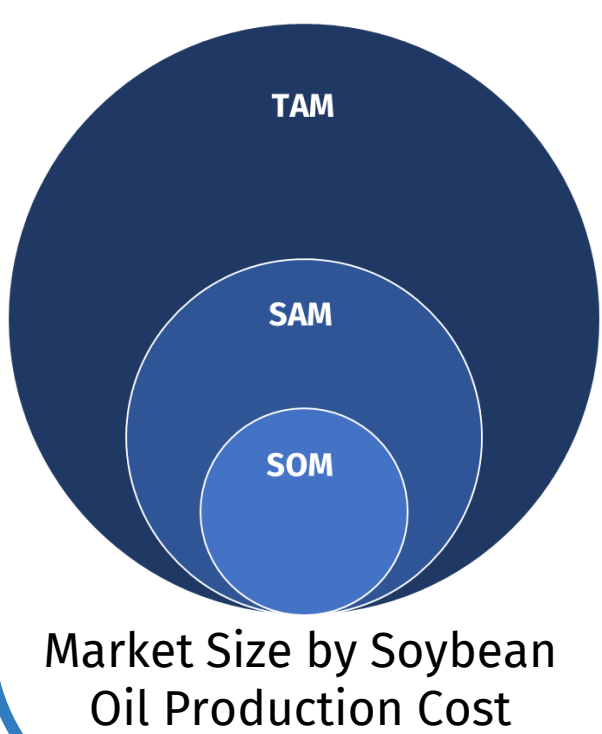
N-Brane Solution



Core Technology



Target Market Size



Total Addressable Market

- Global Market
- **\$1777.5M**

CAGR: 3.3%

Serviceable Available Market

- Asia Market
- **\$719.9M**

CAGR: 4.4%

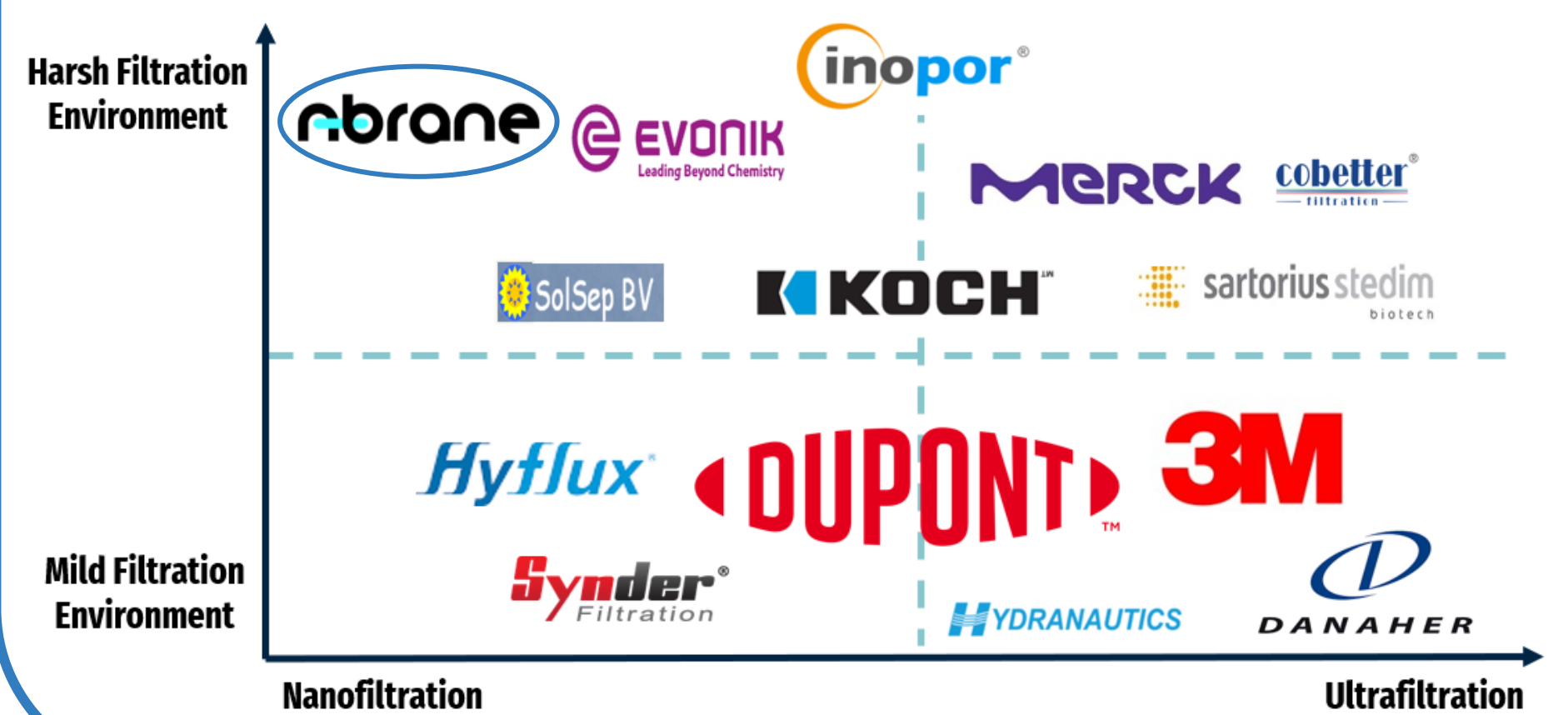
Serviceable Obtainable Market

- China, Singapore and Malaysia*
- **\$57.7M**

CAGR: 4.2%

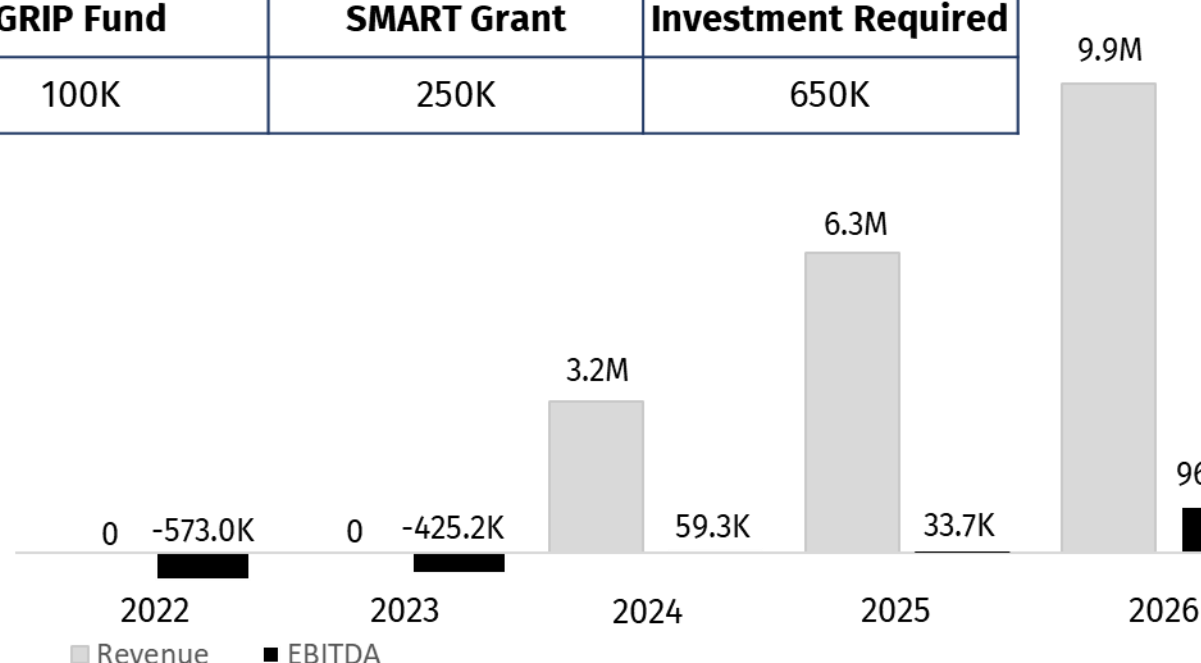
*: 10% of China, Singapore and Malaysia Market

Competitors Landscape



Financial Plan

Total Initial Investment: 1 Million SGD		
GRIP Fund	SMART Grant	Investment Required
100K	250K	650K



2024 Break-Even

30.2% Gross Margin

77% Revenue Growth

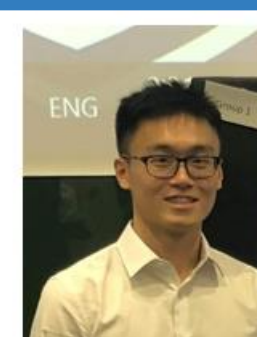
Our Team



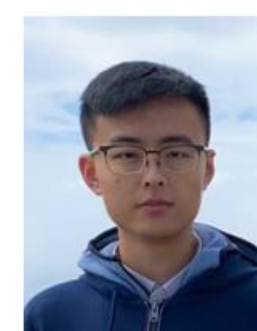
Helen Gao
CEO & CTO
NUS Ph.D
Chemical Engineering
3-year Manufacturing Experience



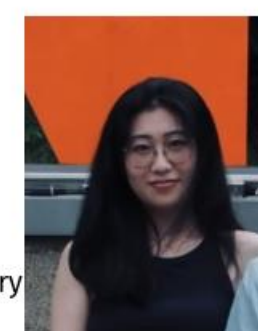
Huang Shan
COO
NUS MSc
Mgt of Technology
4.5-year Industrial R&D Experience



Lim Chit Kai
R&D Head
NUS MSc
Chemical Engineering
1-year Separation Process Design



Liu Yanting
Finance
NUS MSc
Materials Science & Engineering
1-year Lithium Battery Development



Jiang Yixuan
Marketing
NUS MSc
Materials Science & Engineering
2-year Membrane Research Experience



Zhang Chenyang
BD
NUS MSc
Materials Science & Engineering
1-year Internship with Cambridge University

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