

Nanotechnology That Makes Manufacturing Better

Our Nanoimprinting technology can improve the manufacturing process and performance of AR/VR lenses while reducing the cost.

Problem

Poor performance of optical components results in a poor AR/VR experience

- **Transmittance (85%)**
- **Low field of view (20-35°)**

Other shortcomings in manufacturing

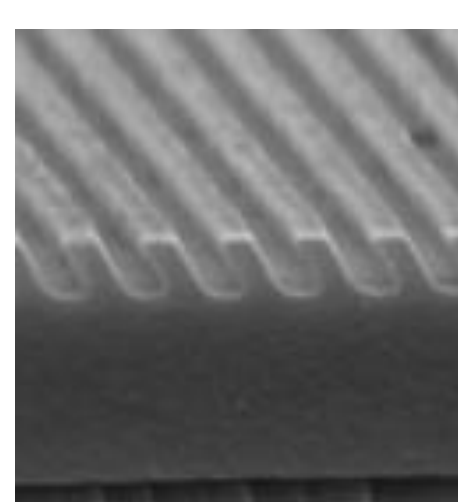
- Complicated process
- Difficult mass production
- High cost



The Lenses

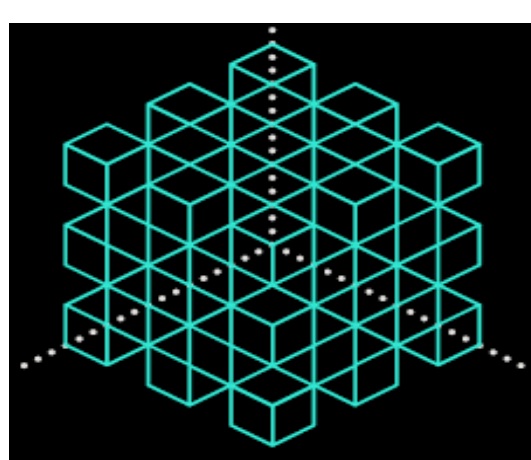
Business Model

B2B



S\$ 15/lens (average)

Nanoimprinting Processing

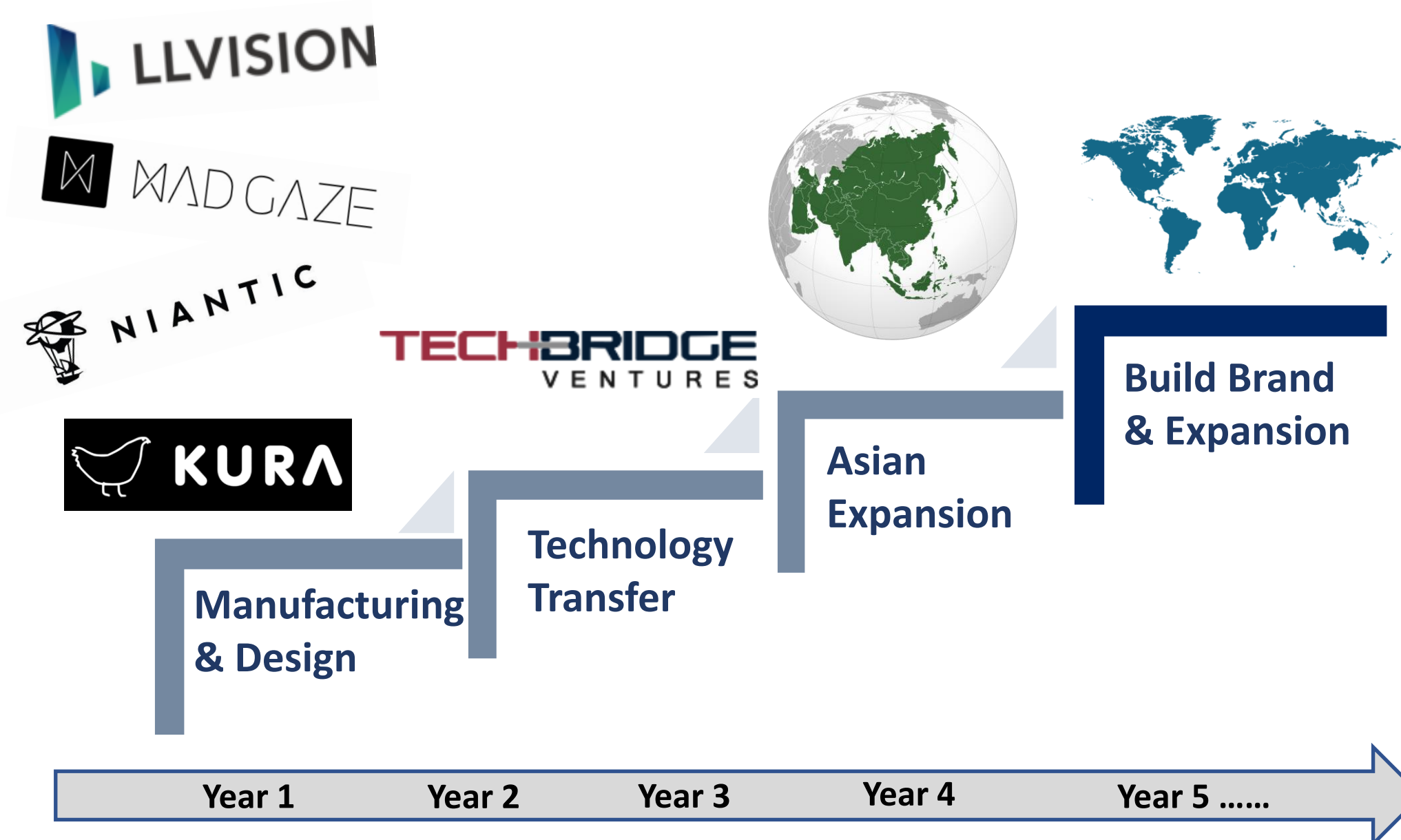


(Flexible pricing via customers)

Nanostructure Design & Production

Direct Customers: AR/VR Device Companies

Go To Market Strategy



Our Teams



CHEW Ker Yee
Co-founder & CEO



DR LOKE Yee Chong
Chief Scientist



Zhang Yiwei
Technical Leader
3 years in materials science research



Chen Luming
Business Development
3 years working experience in BCI



Wang Shuangxu
Financial Researcher
2 years researching in microelectronics project

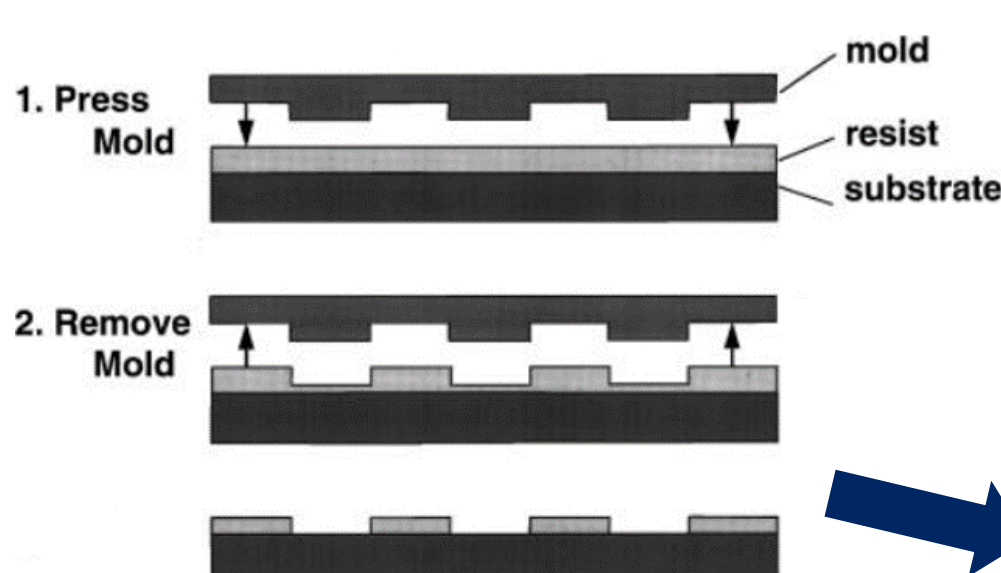


Wang Jiaqi
Market Researcher
2 years internship in R&D department

Solution

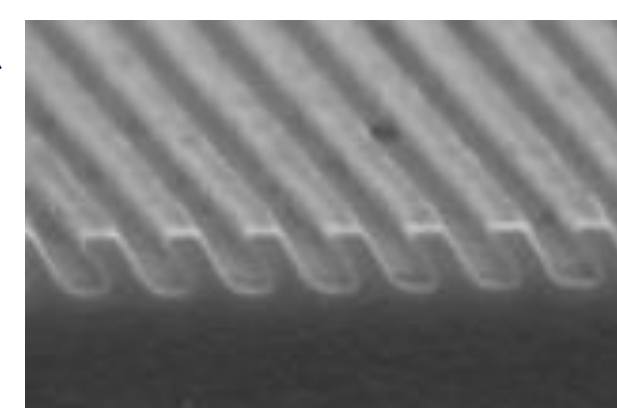
Nanoimprinting Technology

Nano-fabrication



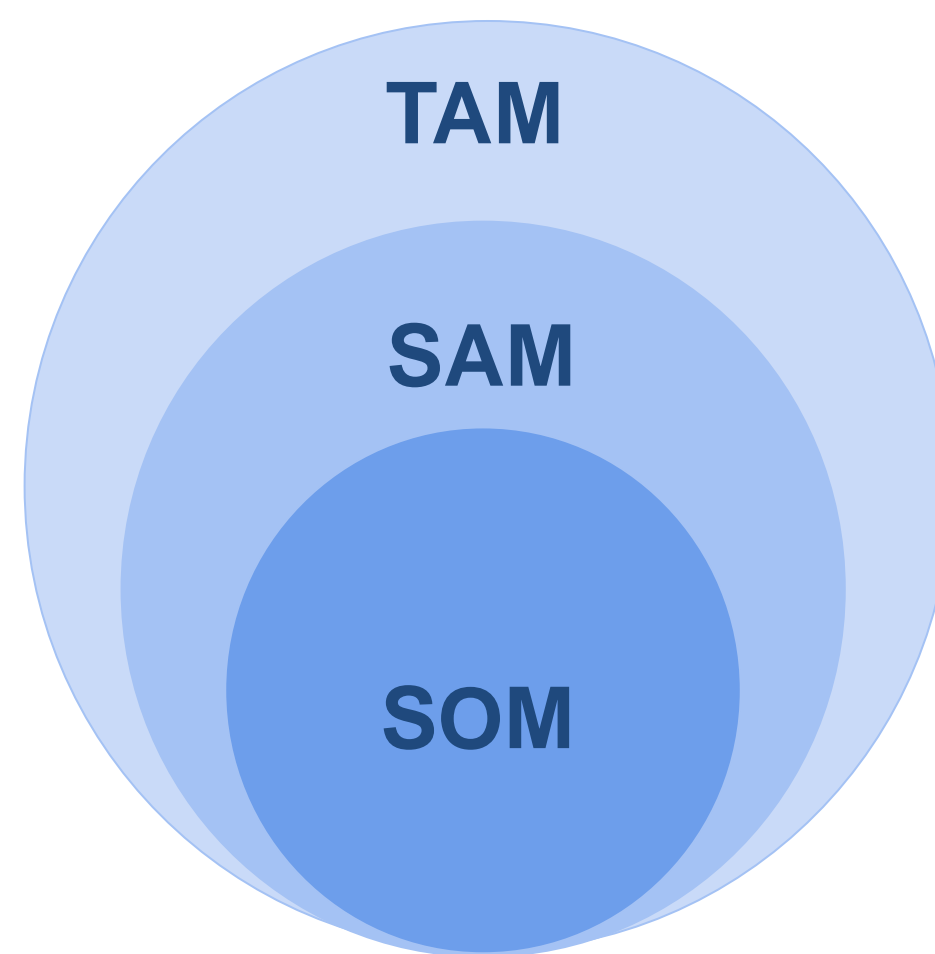
Nanostructured gratings

Performance of Lenses	<ul style="list-style-type: none"> ➢ High transmittance (>95%) ➢ Large FOV (~60°)
Manufacture Process	<ul style="list-style-type: none"> ➢ Simple process (3 steps) ➢ Mass production (Increased by 20~30%) ➢ Lower cost and price (30-50% lower)



The substrate can be glass or resin.

Potential Market Size



Total Available Market

Global: ~S\$ 280 B (by 2022)
(AR/VR devices market)

Serviceable Available Market

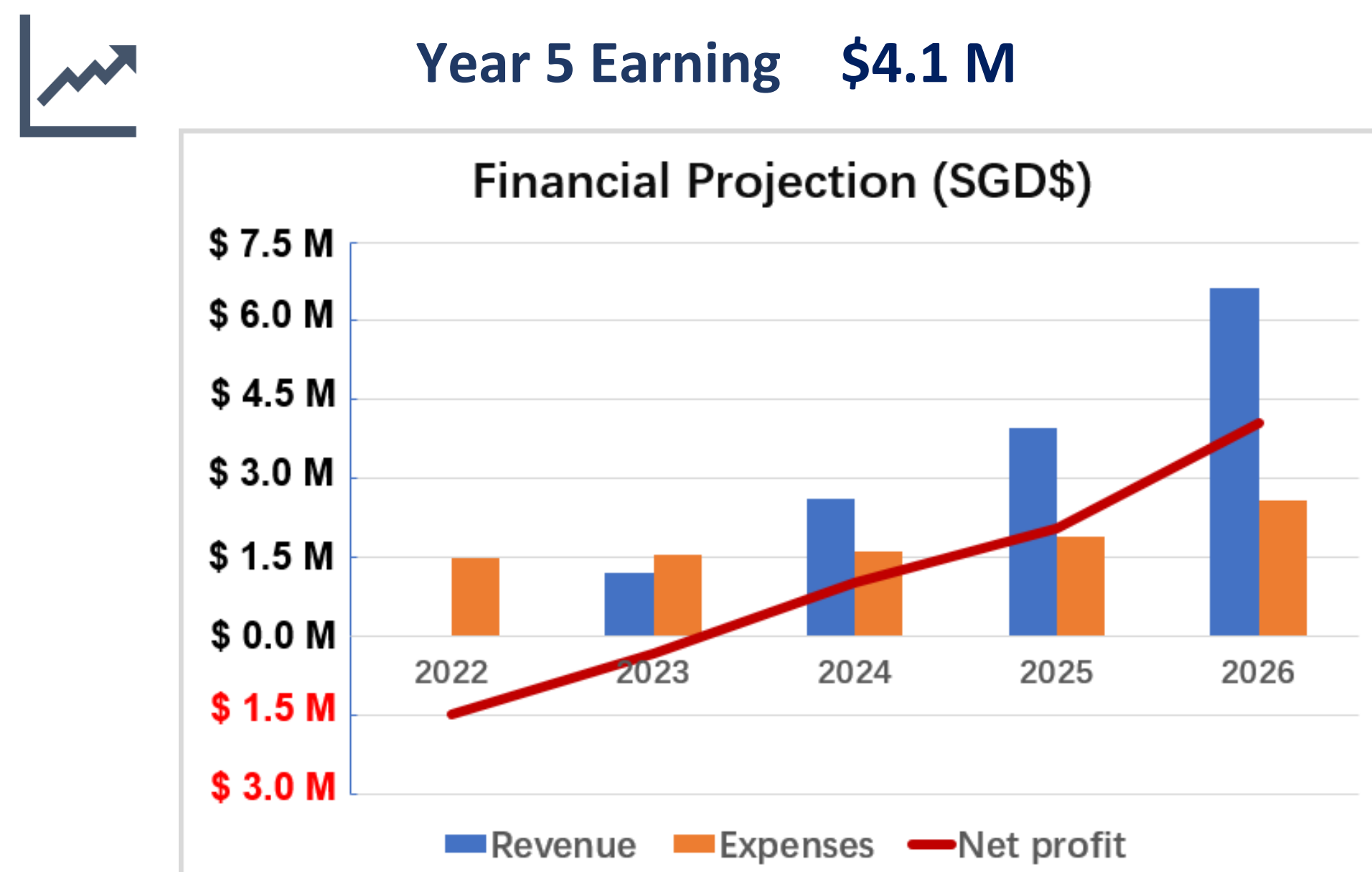
Asia-Pacific: ~S\$ 47 B (by 2022)
(AR/VR devices market)

Serviceable Obtainable Market

~S\$ 47 Million
(Lenses: 1% of the AR/VR market)

Source: <https://www.prnewswire.com/news-releases/asia-pacifics-172bn-augmented-reality-ar-and-virtual-reality-vr-market-2019-2026-300975339.html>

5-year Financial Projection



Break-even Date The **Third Year (2024)**

Contact

For more information and business enquiries, contact us at info@winovus.com.sg or scan the QR Code at the side --->

