

Cautionary Note Regarding Forward Looking Statements

This presentation contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934 and Private Securities Litigation Reform Act, as amended, including those relating to the Company's product development, market opportunity, competitive position, possible or assumed future results of operations, business strategies, potential growth opportunities and other statements that are predictive in nature. These forward-looking statements are based on current expectations, estimates, forecasts and projections about the industry and markets in which we operate and management's current beliefs and assumptions.

These statements may be identified by the use of forward-looking expressions, including, but not limited to, "expect," "anticipate," "believe," "estimate," "potential," "predict," "project," "should," "would," and similar expressions and the negatives of those terms. These statements relate to future events or our financial performance and involve known and unknown risks, uncertainties, and other factors which may cause actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Such factors include those set forth in the Company's filings with the Securities and Exchange Commission. Prospective investors are cautioned not to place undue reliance on such forward-looking statements, which speak only as of the date of this presentation. The Company undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future events or otherwise.



Reshaping the World of Electronics | OTCQB: SMTK

Disruptive TRUFLEX® Technology

A revolutionary semiconductor platform for Organic Thin Film Transistors (OTFTs).

TRUFLEX® is a full transistor stack design and process platform that produces transistors that are flexible, bendable, wearable, and lightweight.

Materials are solution deposited on low-cost plastic and glass at a low temperature (80°C) to make transistor circuits with performance significantly beyond amorphous Silicon (aSi).

TRUFLEX® materials are compatible with existing industry standard manufacturing infrastructure and next generation printing processes.

The platform can be used in several applications including AMOLED displays, Quantum Dot displays, mini / microLED displays, and integrated logic circuits.

World Class Technology Team

42 full time employees with 200+ combined years industrial and R&D pedigree at ICI, Merck, Philips, Kodak, CDT, Motorola.

Extensive, Broad and Defendable IP Portfolio

137 patents across 16 patent families – 122 granted and 15 pending

37 codified trade secrets

Collaborations

2021 JDA with RiTdisplay for the production of a full color demonstration AMOLED display.

2022 JDA with Nanosys for new generation solution printed microLED and quantum dot materials for advanced displays.

Design & Prototyping Capability

Material supply scaled up at toll manufacturers.

EDA design tools available to enable customers to synthesize circuits.

Prototyping available on 4in, 8in, 12in and Gen 2 processes.





Investor Confidence

Funding History

In February 2021, SmartKem raised \$24.6 million in gross proceeds through a private placement of common stock-only at \$2.00 per share.

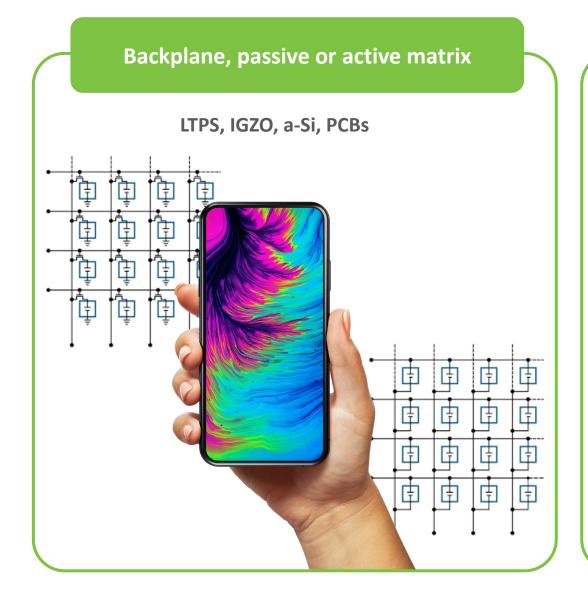
To date, over \$60 million has been invested in SmartKem.

Institutional investors include AIGH, Octopus Ventures, Entrepreneurs Fund LP, and BASF Ventures.

What is a Display?



But they all have two things in common



Electro Optic Conversion

LEDs, MiniLEDs, MicroLEDs, OLEDs, Quantum Dots. (add more pictures)





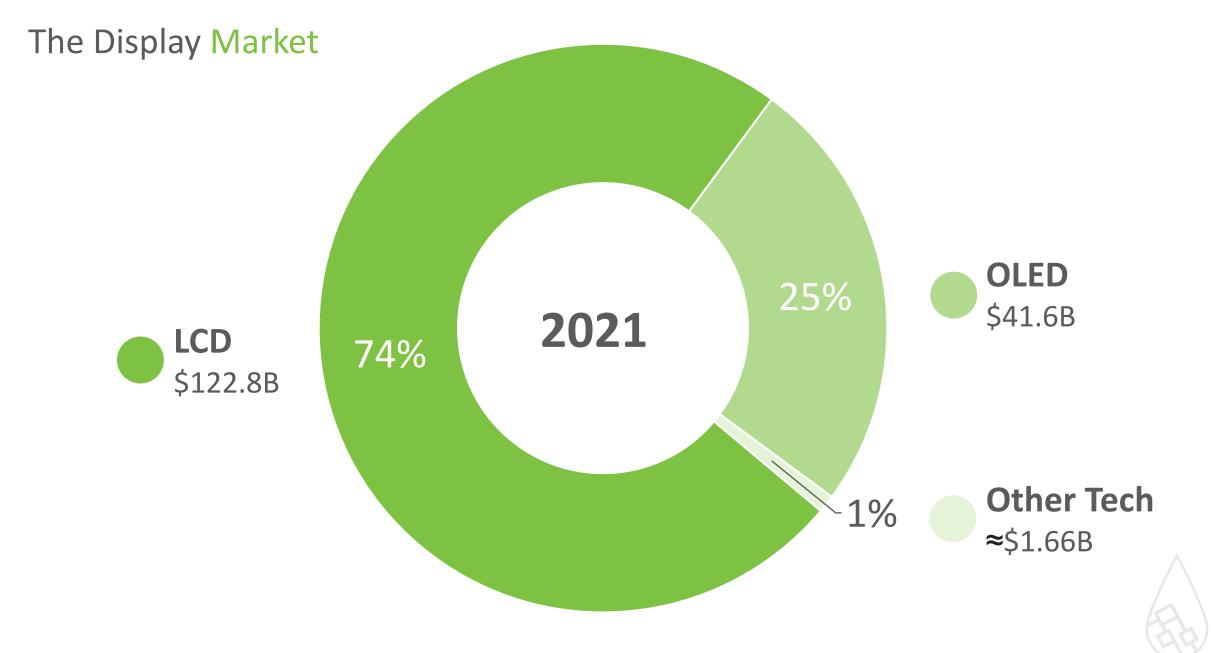




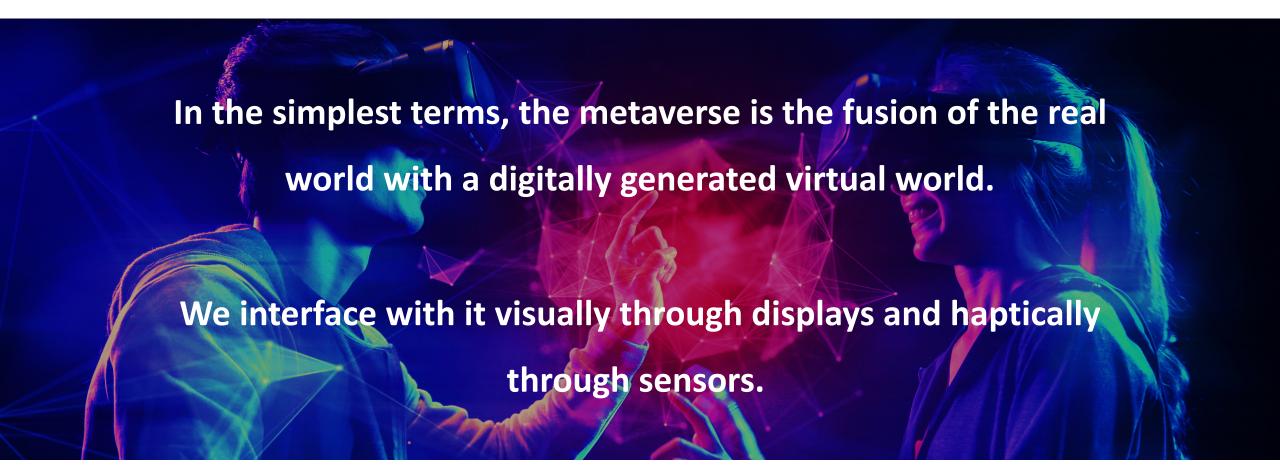




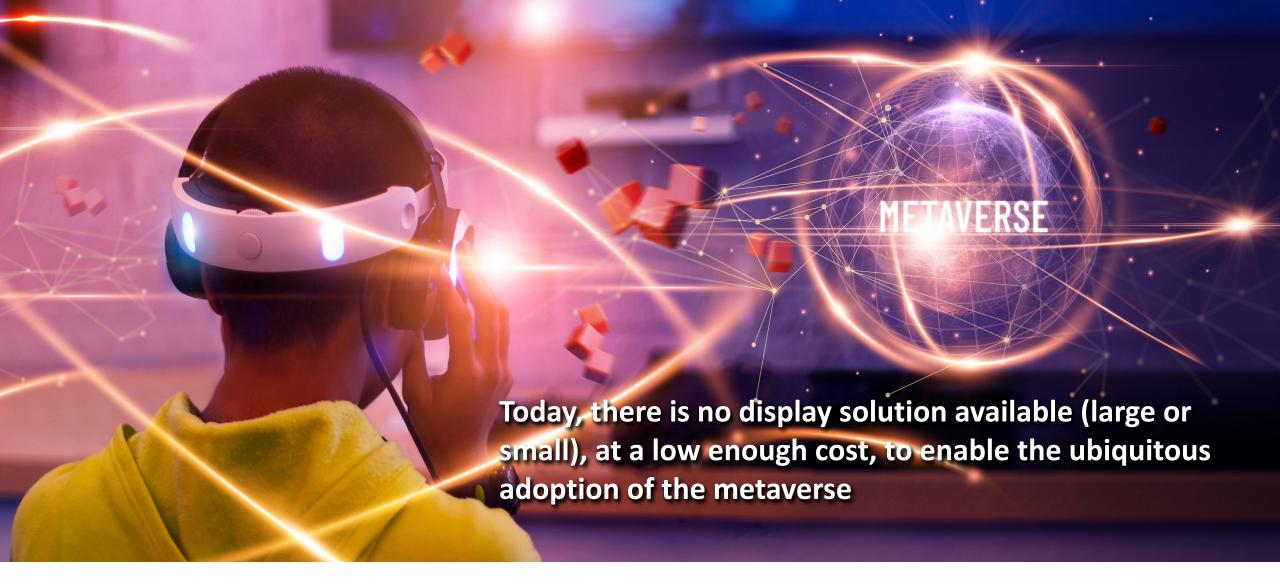




What is the Metaverse?

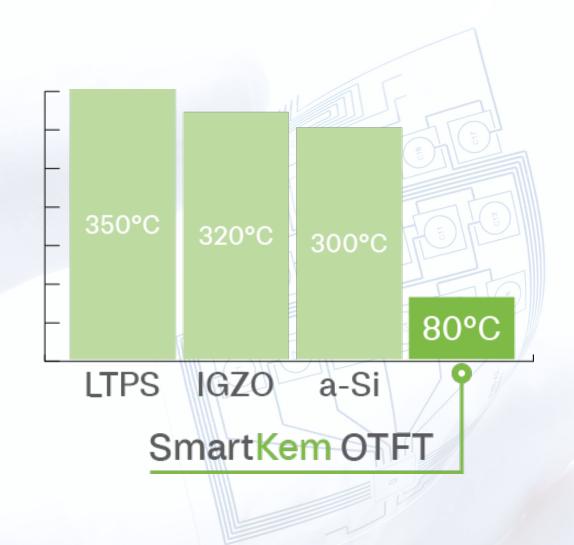








What is needed?



Solution-coated (Printable) frontplanes, OLED and EQD



Solution-coated (Printable)
backplanes that are
monolithically integrated with
solution-coated (Printable)
frontplanes.

(SmartKem)



Low temperature processing.

(SmartKem 80°C)



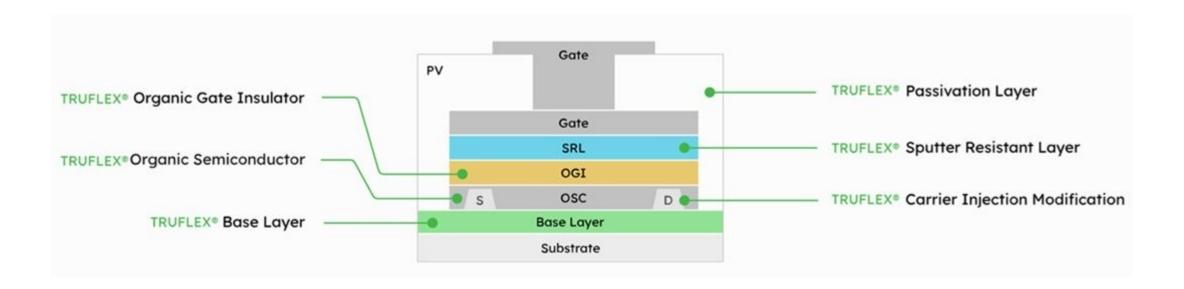
Convergence Plan For Commercialization



Mass Deployment



1. SmartKem's TRUFLEX® Materials



Ease of **Technology Transfer**

Chemistry, process and stack owned

World leading electronic performance

Solution processed
At 80C

Formed on low-cost glass & plastic

Meets industry critical test standards

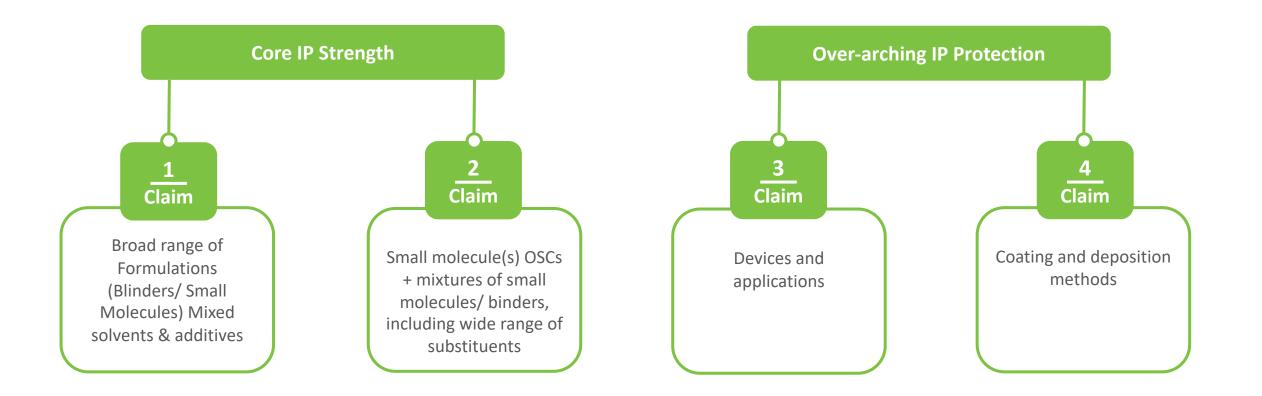
Drop in technology for today's fab lines

(and ready for next gen printing)

Outperforms market leader a-Si



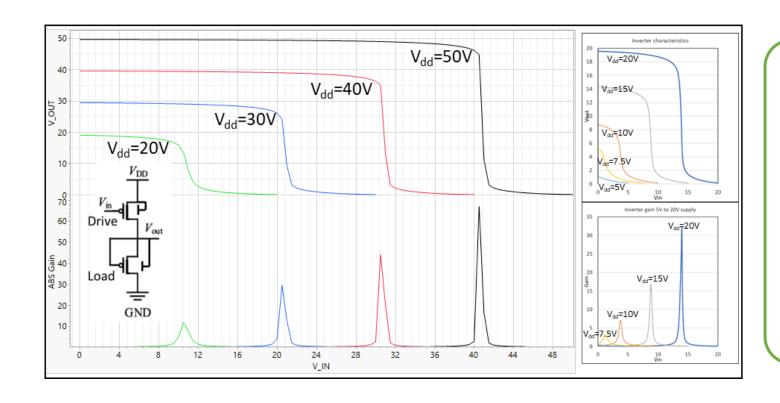
Outstanding IP and Know-How



- >160 patents across 16 patent families 104 granted and >55 pending
- 30 codified company trade secrets files and increasing...
- Strong Freedom To Operate position and no 3rd party licenses required



2. Electronic Design Tools



Cadence

Cadence scripting complete for single gate OTFT, circuits can be designed within the Cadence EDA system

Dual gate OTFT logic capable of operating at voltages <7.5V with high noise margin and gain



2. TRUFLEX® Foundry Services Gen 2.5 Line



Digital Lithography

Access to tool set at Centre for Process Engineering (CPI) in North-East of UK

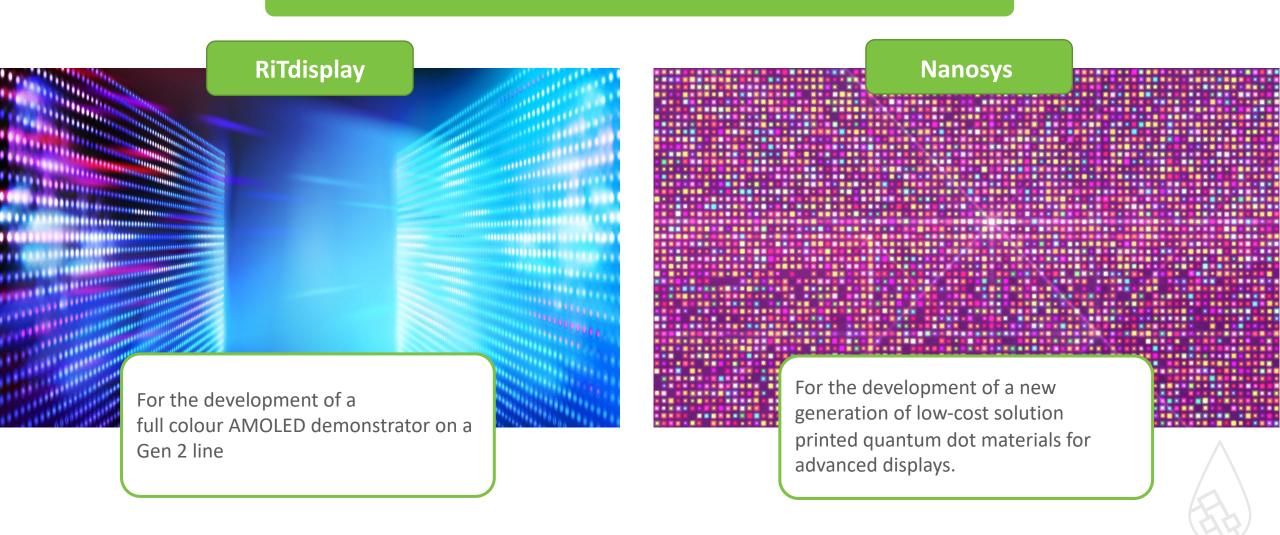
4in, 8in, 12in and Gen2 capability.

Using digital lithography for fullcustom circuits — sheet to sheet initially and then roll-to-roll in the future.



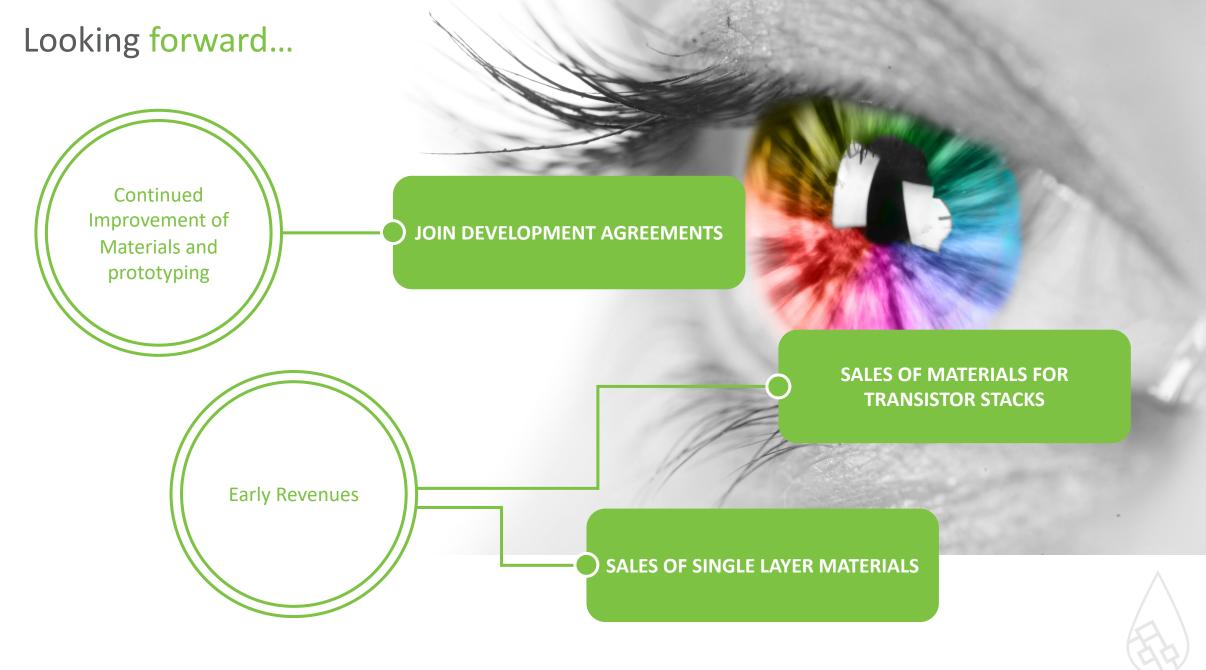
SmartKem's Market Traction

JOINT DEVELOPMENT AGREEMENTS



Market Entry Strategy





SmartKem Officers



Ian Jenks
Chairman and Chief Executive
Officer

lan was formerly the president of Uniphase Inc,
Chairman of Oplink
Communications Inc which he took public on the NASDAQ and spent seven years as a partner of Crescendo
Ventures Ilp Ian has been a director of Techstep ASA,
Paysafe plc., and Brady plc.



Robert Bahns
Chief Financial Officer and
Director

Robert was previously CFO at WaveOptics, which develops components for AR displays. This company was recently acquired by SNAP for more than \$500m. Prior to that, Robert was an investment partner at Imperial Innovations Ltd for fourteen years.



Beverley Brown Chief Scientist

at Imperial Chemical
Industries Ltd. ("ICI"), Zeneca
Group PLC and at the Avecia
Group PLC. Beverley has
worked in the field of organic
semiconductor technology
and in printable electronics
for almost 20 years.



Simon Ogier Chief Technology Officer

at Avecia, Merck, CPI and more NeuDrive Limited. He currently manages a team of 19 engineers and scientists using the equipment for SmartKem's process development and prototype fabrication. Simon has coauthored 30 journal articles and has been co-inventor on 16 patent families.



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THANK YOU

For more information contact us:

Manchester Technology Center Hexagon Tower, Delaunays Road, Blackley, Manchester M9 8GQ UK

> +44 (0) 161 721 1514 enquiries@smartkem.com