

# 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.

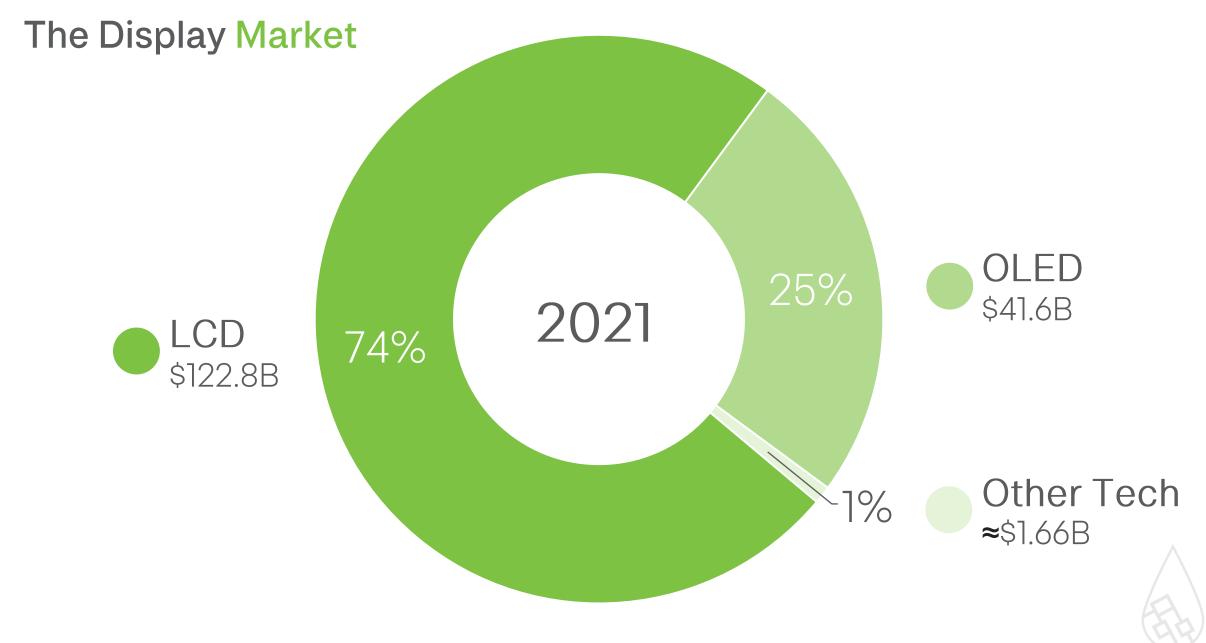
### Design & Prototyping Capability

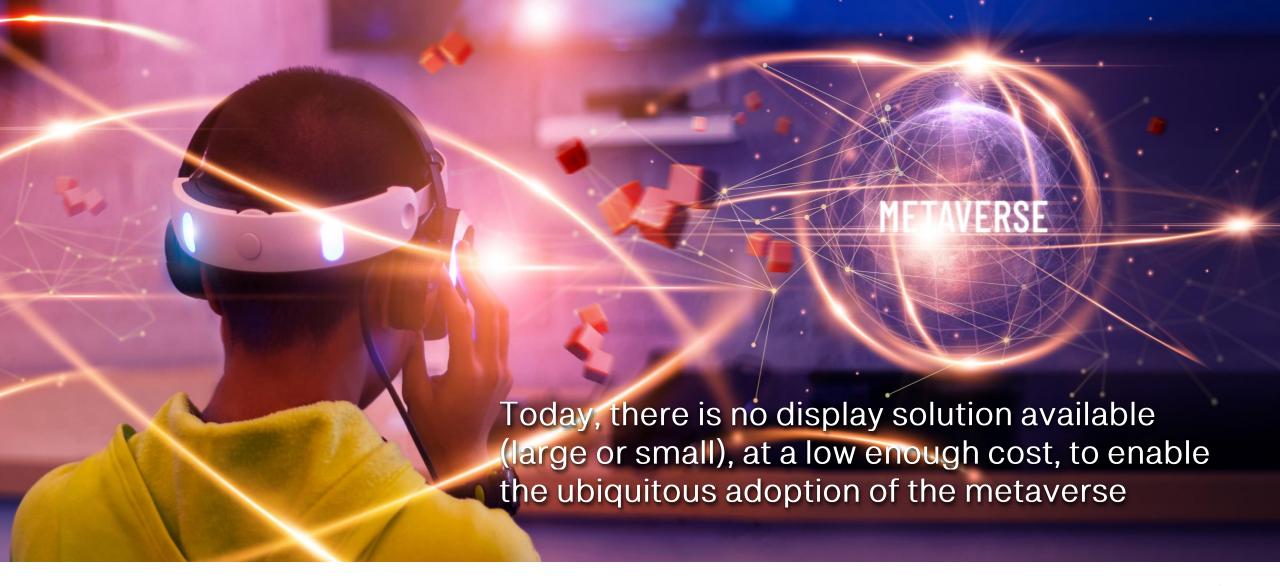
Material supply scaled up at toll manufacturers.

EDA design tools available to enable customers to synthesize circuits.

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









# Displays have two things in common



### **Electro Optic Conversion**

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















### What is needed?



Solution-coated (Printable) frontplanes, OLED and EQD



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

(SmartKem)

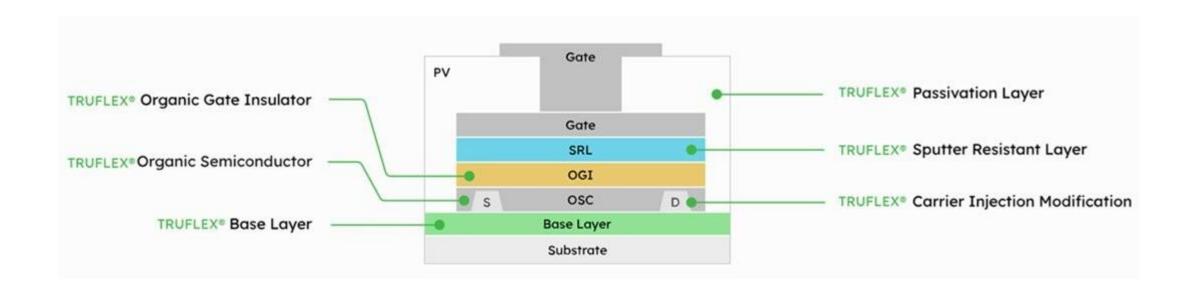


Low temperature processing.

(SmartKem 80°C)



# 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

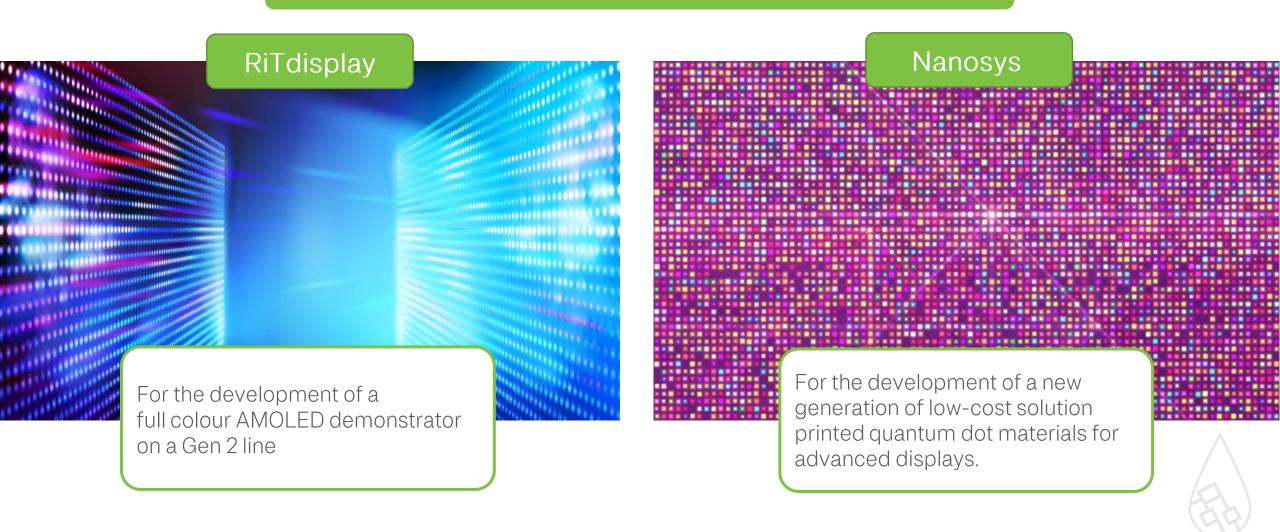
(and ready for next gen printing)

Outperforms market leader a-Si



### **SmartKem's Market Traction**

### JOINT DEVELOPMENT AGREEMENTS



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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