



INVESTOR UPDATE WEBCAST - APRIL 4, 2022

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.

Financial Results

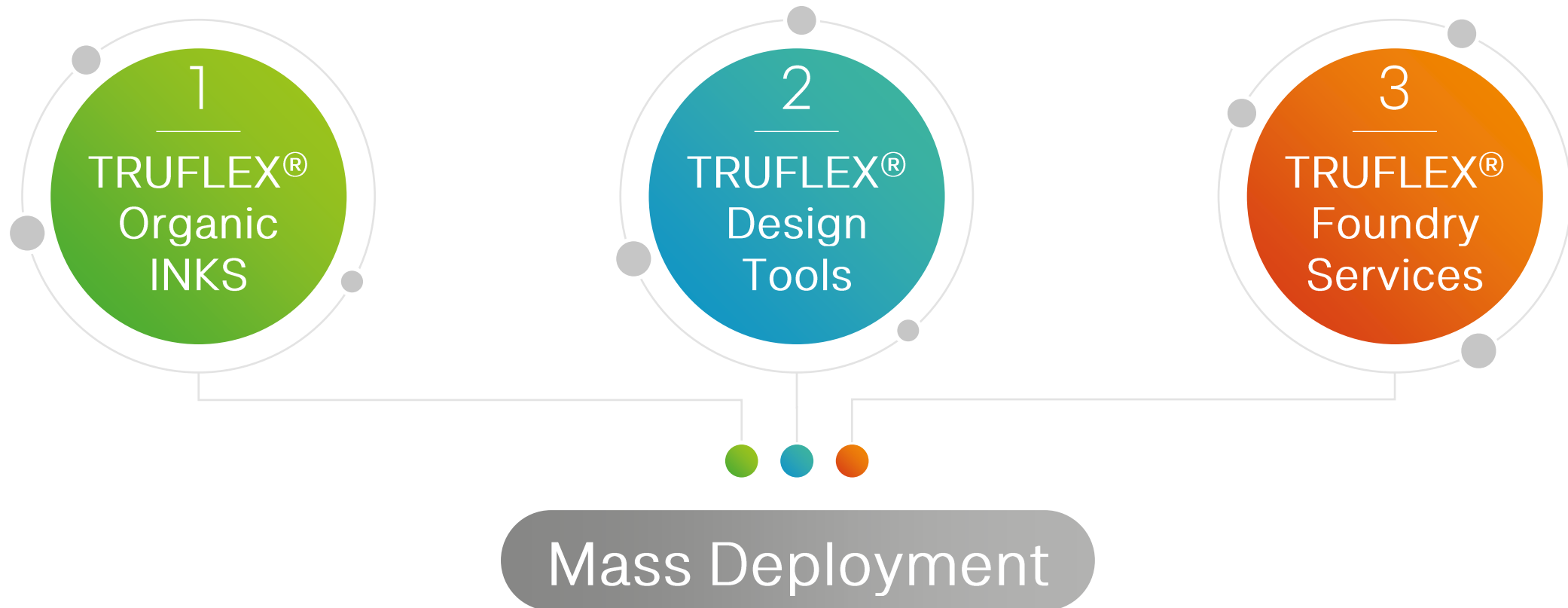
- Completed a Share Exchange with SmartKem Ltd in February 2021 and conducted a private placement raising \$24.6m
- Received a further investment totalling \$2m from Octopus Titan VCT plc and Octopus Investments Nominees Ltd (existing shareholders) in January 2022 in accordance with the Octopus Letter Agreement

Income Statement (FY 21 vs FY 20)	Balance Sheet (12/31/21 vs 12/31/20)
Revenue = \$18k (y/y -81%)	Assets \$15.1m vs \$2.9m as of Dec 31, 2020 <ul style="list-style-type: none"> \$12.2m cash \$1.1m R&D tax credit receivable
Other Operating Income= \$1.3m (y/y -11%) <ul style="list-style-type: none"> Smartlight grant = \$0.2m R&D tax credit = \$1.1m 	Liabilities \$1.5m vs \$1.1m as of Dec 31, 2020 <ul style="list-style-type: none"> No debt
Operating expenses <ul style="list-style-type: none"> Research and Development excluding stock based compensation = \$5.2m (y/y +21%) SG&A excluding stock based compensation = \$4.9m (y/y +184%) 	Stockholders equity \$13.5m vs \$1.85m as of Dec 31, 2020
Transaction expenses = \$1.3m	

Stock commenced trading on OTCQB market in February 2022



Convergence for **Mass Deployment** Success



TRUFLEX® Organic Inks

Inter-Layer Dielectric

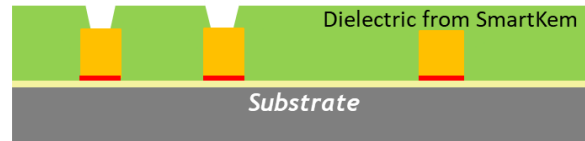
- Joint development with ITRI
- Low temperature processing
- Best in class planarization



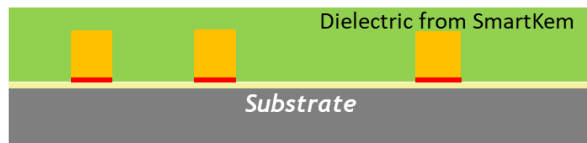
Step1 : Prepare u-LED or Cu Line substrate



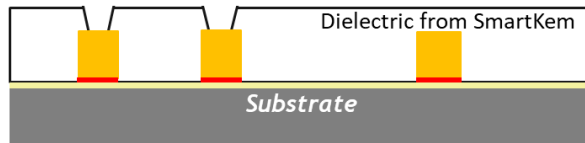
Step4: Development (PGME/PGMEA) to get via hole



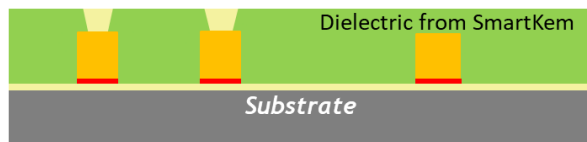
Step2: Coating smartkem ILD (negative-type ILD)



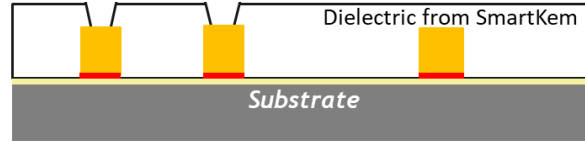
Step5: UV Exposure (Cross-Linking)



Step3: Stepper exposure



Options (Can add oven bake to increase cure%)



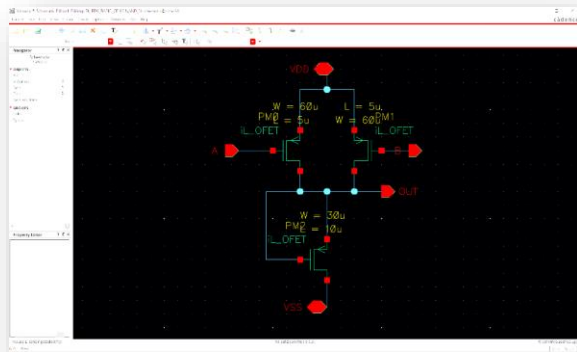
EDA Tools – PDK integrated into Cadence workflow



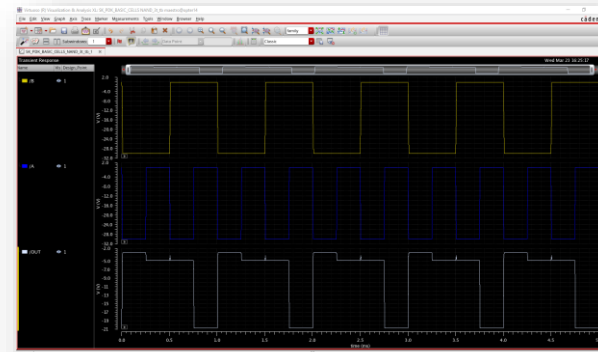
The screenshot shows the Cadence Virtuoso environment. On the left, the Library Manager displays the SK_PDK library. The central Cell Editor shows a schematic for a transistor cell with labels like `[@instanceName]`, `[@partName]`, `cdsTerm("s")`, `cdsParam(1)`, `cdsParam(2)`, `cdsParam(3)`, and `cdsTerm("d")`. On the right, the Verilog code editor shows the implementation of the `threest_pcell` module, including electrical parameters and behavioral code.

- Single gate PDK undergoing testing/validation
- Dual gate PDK expected end Q2 2022

Single gate OTFT layout via p-cell



NAND layout

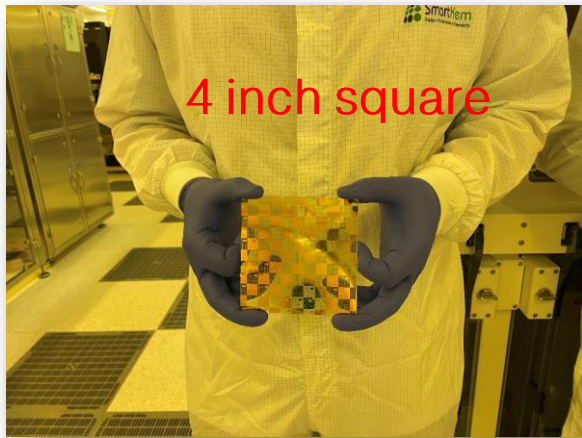


NAND
simulation



Foundry Services

SmartKem process scale up to larger sized substrates at CPI, UK



Process size	Status
4"	Complete
8"	Complete
12"	Stabilising
Gen2	End Q2 2022
Gen2 flex	End Q3 2022
Up to 12" digital lithography	End Q2 2022

SMARTKEM TRACTION WITH
JOINT DEVELOPMENT AGREEMENTS

PIPELINE BUILDING | RITDISPLAY | UCSB | NANOSYS

RiTdisplay JDA



In October 2021, SmartKem announced a joint development agreement with RiTdisplay to collaborate on the production of a full color demonstration AMOLED display.

RiTdisplay are the #1 producer of PMOLED displays (small sized).

PMOLED is limited to small resolution (max 200 lines), small size, low luminance (<50% of normal AMOLED).

RiTdisplay project with SmartKem is to develop active matrix OTFT driven OLED displays.

Project targeted at full colour AMOLED on Gen 2 line.

AMOLED
colour



PMOLED 2
colour



PMOLED
monochrome



PMOLED
monochrome



UCSB Membership



In December 2021, SmartKem announced that it became a member of the University of California, Santa Barbara (UCSB) Solid State Lighting & Energy Electronics Center (SSLEEC) which is conducting innovative research into the development of microLED displays.

SmartKem will have the right to obtain access to technologies and intellectual property developed by the Center.





SmartKem and Nanosys announced on February 2nd a joint development agreement to collaborate on a new generation of low-cost solution printed MicroLED and quantum dot materials for advanced display.

Both companies believe a “fully solution-printed display” using SmartKem Organic TFT (OTFT) and Nanosys’s microLED and quantum dot nanoLED technologies should result in the creation of a new class of low power, robust, flexible, lightweight displays.





Smartkem

OUR TRANSISTORS YOUR ADVANTAGE

THANK YOU

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