

INVESTOR PRESENTATION DNB TMT CONFERENCE

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IDEX VALUE PROPOSITION



Huge addressable market

Three target markets, Cards, Mobile & IoT with billion unit potential

Unique technology

• Flexible off-chip fingerprint sensor solutions at competitive cost

Established international organisation

- Leadership team of industry veterans
- 120* staff with deep biometrics and display integration expertise

Solid financial position

- Publicly listed on Oslo Børs
- Strong balance sheet with ~USD 50 million*, no debt

Extensive IP portfolio

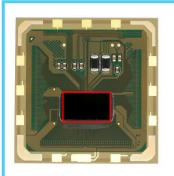
221* granted and pending patents in capacitive fingerprint sensing

^{*}as per 30 June 2017

DIFFERENTIATED OFF-CHIP SENSOR VENDOR

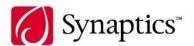


Unique Differentiation (Off-chip capacitive sensors)



- Fundamental IP significant barriers to entry
- Small silicon footprint cost advantage
- IDEX architecture high image quality
- Enabling system level solutions





Conventional Solution (Silicon-based capacitive sensors)

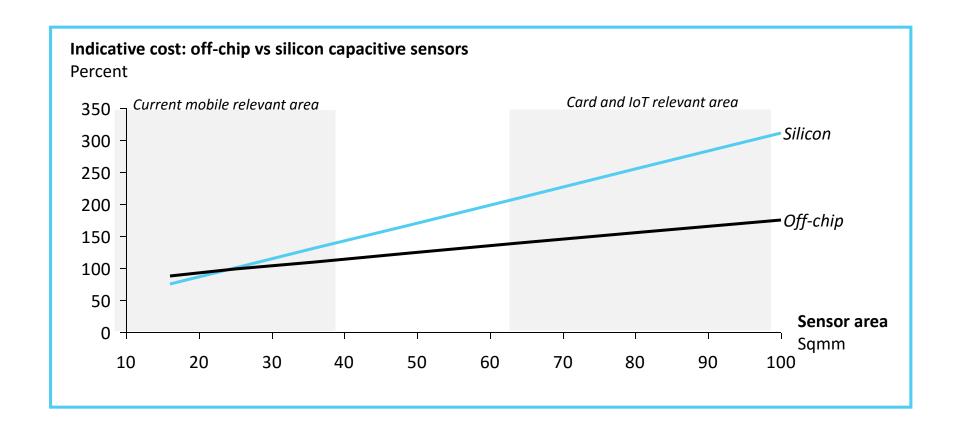


- Lower technology barriers crowded space
- Competitive for small and rigid sensors
- IDEX Cardinal sensor partnership



OFF-CHIP FUNDAMENTAL COST ADVANTAGE





FAVOURABLE TRENDS FOR OFF-CHIP IN TARGET MARKETS





Strong customer pull in emerging market for biometric cards

- Flexible polymer for ISO form factor and durability
- Larger sensor critical for usability due to limited power



Infinity display transition in mobile flagships

- Larger size sensor enhances performance on back of the handset
- In-display sensing compatible with off-chip polymer technology



Fingerprint penetration beyond mobile accelerating in IOT

- Devices with limited power require larger sensors for usability
- Flexible sensors value proposition for wearable applications

INVESTING IN COMMERCIALISATION



Cards



IoT







Platform across target markets

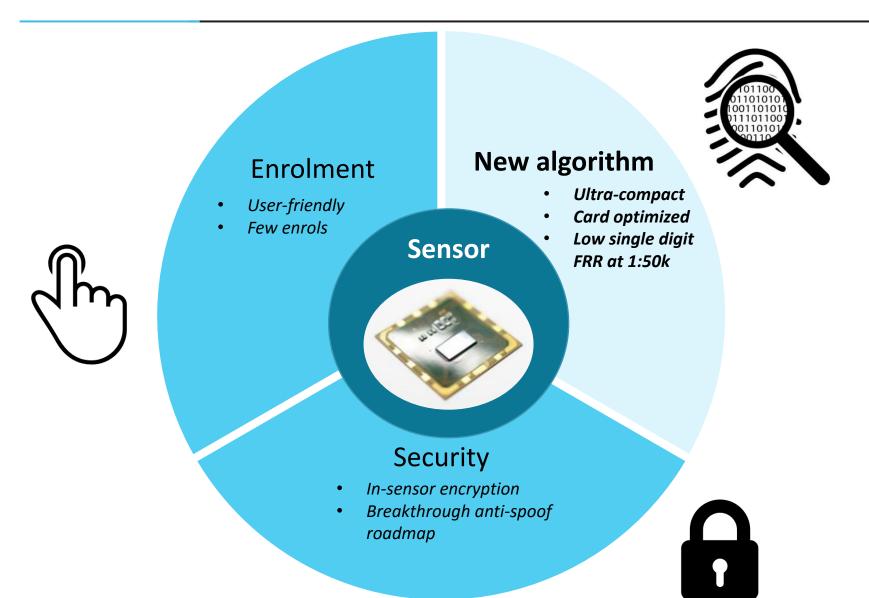
- ASIC fabricated at TSMC foundry low silicon cost
- Modular software suite for target applications across markets
- New architecture simpler packaging to maximise cost benefit

Accelerated product development

- Grown 64% y-o-y to 120 staff
- Critical mass for in-house key capabilities
- Strong focus on card market

MOVING BEYOND SENSOR TO FULL BIOMETRIC SYSTEM MIDEX





END-TO-END SOLUTION FOR COMMERCIAL DEPLOYMENT IDEX





Manufacturing

Compatible with card manufacturing process





Designed into mass enrolment system





Compatible with existing point of sales terminals



MOMENTUM ON MASTERCARD BIOMETRIC PROGRAMME



Successful customer trials in Africa and Europe

High interest from end customers for multiple larger scale pilots 2H 2017

Commercial roll-out target end 2017 following customer pilot approvals



UniCredit Bulbank

Pick n Pay

ABSA

End-to-end contact solution for commercial deployment with OT-Morpho

Preparing for final card certification expected to commence Q4 2017

Dual Interface card solution in development leveraging low power ASIC

EXPANDING THE CARD MARKET – STRONG DEMAND





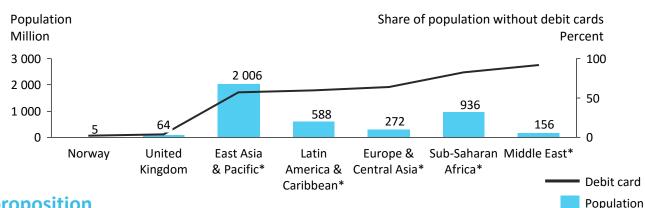
- High customer activity in parallel to the Mastercard programme
 - Initial order from leading Asian security and authentication smart card provider
 - Working with multiple European top tier card and secure element providers
- Launched ground-breaking sensor for contactless smart cards
 - Flexible, low power fingerprint sensor
 - Ready for contactless cards operating with standard NFC terminals

FINANCIAL INCLUSION BIOMETRIC CARD VALUE PROPOSITION



Huge opportunity - more than 2.5 bn people without debit card





Strong value proposition



- Established identification
- Secure way of receiving entitlements
- Access to credit and banking system



- Significant reduction of leakages in distribution
- No new infrastructure needed
- Limited incremental costs



- Generating transactions
- Loyalty to brand

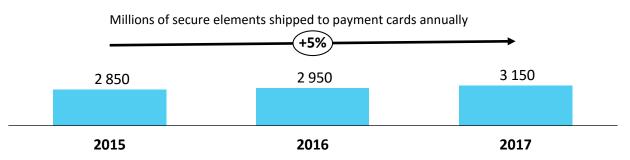
Source: The World Bank
* Developing countries only

BANKING BIOMETRIC CARD VALUE PROPOSITION



Three billion Chip cards issued every year





Strong value proposition



- User friendly easier than PINs, fingerprint familiarity from mobile
- Increased security



- Attractive to become 'top of wallet' card
- Reduced fraud costs in card present situations
- Less forgone revenue due to users not remembering PIN at time of transaction
- Reduced costs with issuing new cards due to wrong PIN entered
- Issuing banks can deepen loyalty by offering differentiated solution

Source: Eurosmart

HIGHLY ATTRACTIVE CARD OPPORTUNITY



Large market potential

- Multiple billion unit verticals
- Significant demand for both contact and contact-less
- Expect higher ASPs than mobile given high value add



First mover advantage

- IDEX furthest ahead in complex card qualification
- Partnered with several tier-one integrators
- Significant momentum with Mastercard



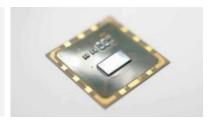
Superior offchip technology

- Low cost due to small silicon footprint <13 sq mm
- Thin polymer, not fragile silicon material
- Sensor optimal for card mass manufacturing



Full biometric system

- Ultra-compact matching algorithm
- Enrolment system
- Best FRR/usability



IDEX LEVERAGING OFF-CHIP STRATEGY IN MOBILE





Mobile currently dominated by front-mounted silicon sensors...

...expected shift to infinity displays and rear mounted sensor



Shift to infinity displays...

- Lack of space for sensor in the front
- Options are to mount the sensor on the back or integrate in-display

...being leveraged by IDEX

- Marketing off-chip sensor for back of the phone applications (with upgraded SW and cost optimised)
- Roadmap to in-display integrated sensor

SUMMARY





 Huge market opportunity with favorable trends for off-chip technology



 IDEX one of two vendors with differentiated offchip technology

 End-to-end card system solution securing scalability



THANK YOU



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