

# IDEX Biometrics

## Capital Markets Day

Oslo, September 20<sup>th</sup>, 2023

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## Agenda

Programme	
10:00-10:30	Registration and Product Demos
10:30-11:30	IDEX Update and QA
11:30-11:45	Break
11:45-12:45	Fireside Chat with Industry Leaders
12:45-13:00	Concluding Remarks
13:00-14:00	Buffet Lunch and Product Demos



## **IDEX Biometrics Team**



Vince Graziani Chief Executive Officer



Catharina Eklof Chief Commercial Officer



Anthony Eaton Chief Technology Officer



Hakan Acar SVP Global Payments



Anette Trulsson Corda SVP Marketing Communication



Claus Hansen VP Sales APAC



Marianne Boe Head of Investor Relations



## IDEX Biometrics a complete platform for biometric authentication solutions



**Target markets** 

#### People

#### Technology

200+ patents, with technologies spanning:

#### Hardware

Industry leading biometric fingerprint technology with highest performance

#### Software

Matching algorithm outperforming the industry standards

#### **Solutions**

End-to-end biometric card solutions for manufacturers, issuers enterprises and governments





Mission

## IDEX Biometrics is ramping up across payments and cyber security



#### **Payments**

- Э 18 banks in motion with IDEX
- Market expansion in Azerbaijan, Bangladesh and India
- ⇒ IDEX Pay passed full
   Mastercard certification

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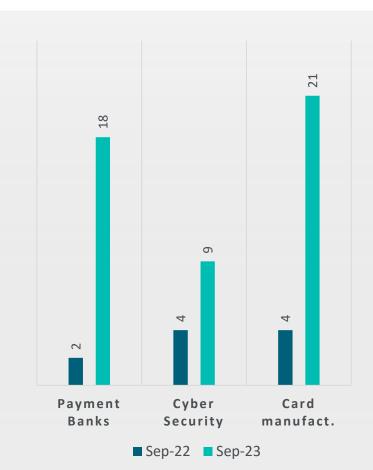
### Cyber security

- 9 partners in commercialization for cyber security
- ⇒ FIDO Alliance membership



## Card manufacturers and technology partners

- ⇒ 20+ card manufacturers selected IDEX, whereof 3 metal card leaders
- ⇒ Strong acceleration in APAC and Eastern Europe



Source: IDEX Biometrics '23



# Market Evolution

## Digitalization

Global shift to a smart all-digital world has made trusted digital identity a must



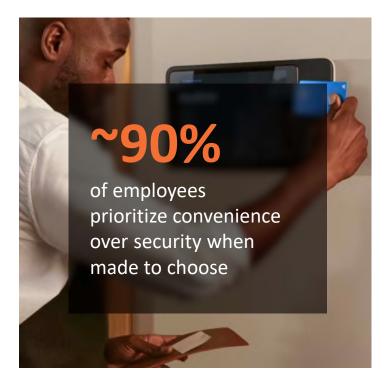
## **Artificial Intelligence**

AI to exploit weaknesses in existing systems through new fraud methods and tools



## **User Experience**

Consumers demand frictionless consumer experience – without compromising on security





EMVCo standardization in progress will accelerate deployment of biometric payment cards globally

### Outset

#### Proprietary Specifications in place



#### No Specifications in place

AMERICAN<br/>EXPRESSDISCOVERPayPalRuPay>FEITIANcitibankcapital OneImage: https://image: h



EMVCo is a global organization that develops and maintains the EMV standard for secure payment transactions.

#### Impact

- ⊖ Streamlining certification labs cost
- Mitigates development risks and complexity across multiple schemes
- Regional and domestic schemes to deploy biometric payment cards
- ⇒ Shorter time to market for scaled biometric programs





The Global Biometric Card Market expected CAGR of 117.8% (2022-2027) to reach a value of **\$2.7B by 2027**, across various segments, including banking, retail, and security gaming<sup>2</sup>

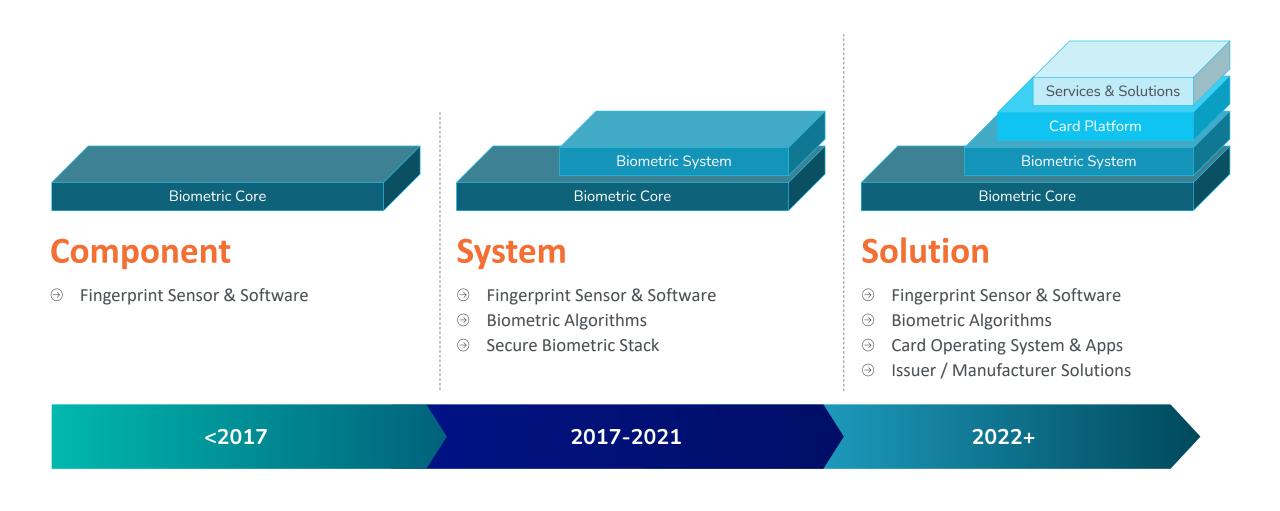
<sup>1</sup> McKinsey 2022 ; <sup>2</sup>Modor intelligence



## IDEX Technology

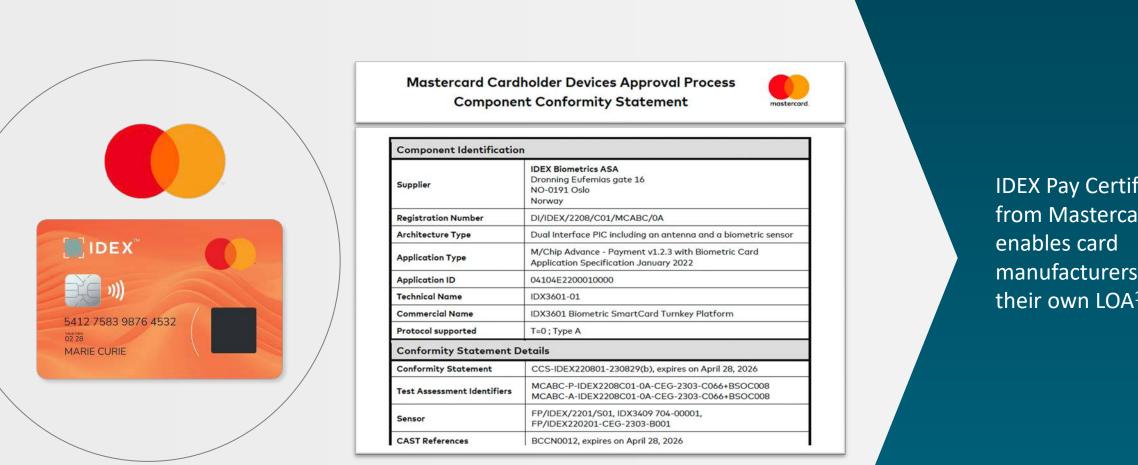


## IDEX Blometrics is becoming an end-to-end solution company





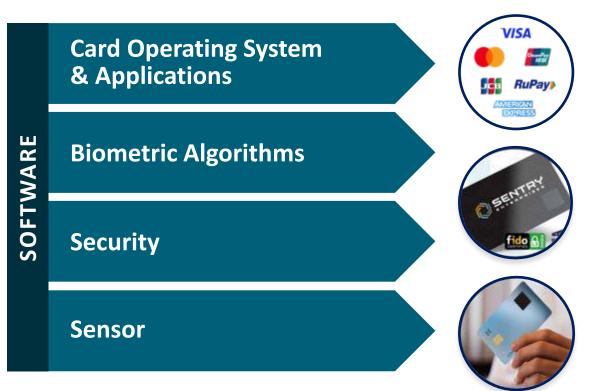
## IDEX Pay Certification – a major company milestone



<sup>1</sup>LOA = Letter-Of-Approval

**IDEX Pay Certification** from Mastercard manufacturers to get their own LOA<sup>1</sup>





#### **Secure Payments**

Seamless and faster experience with enhanced security for consumers and merchants

#### **Cyber Security**

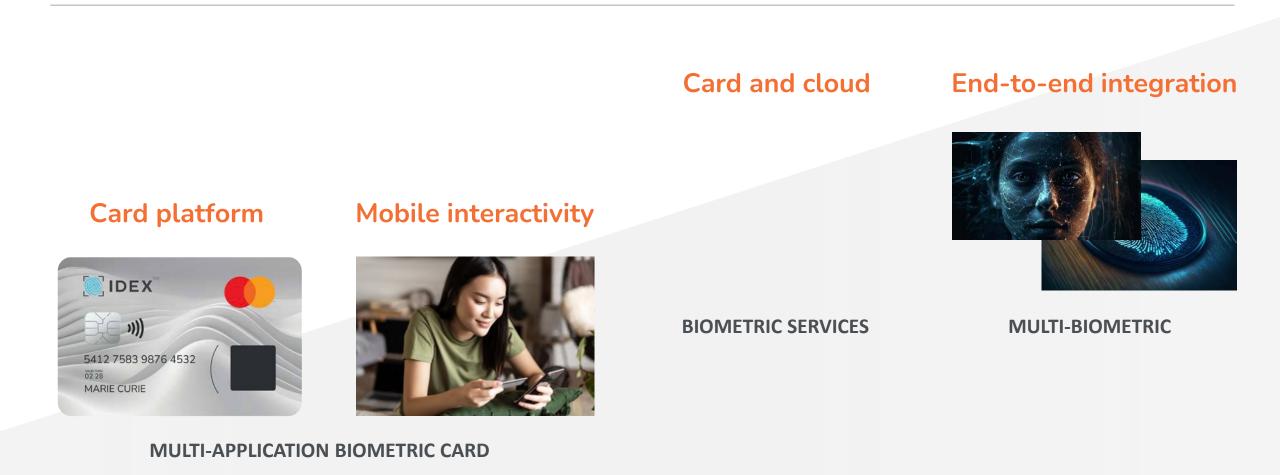
Protect proprietary assets from cyber attacks, reduce fraud risk

**Crypto Asset Management** Access and control crypto funds in a highly secure and authenticated way





## Taking our solution vision to the next level to embrace digital and cloud

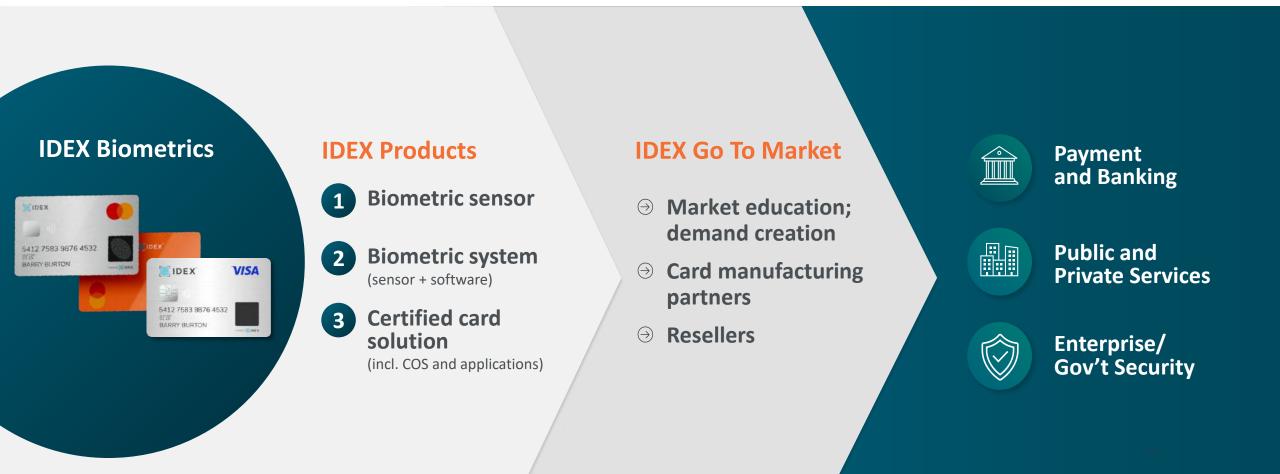




## Commercial Update Go to market strategy



## **IDEX Biometrics business model**





## 18 banks launching biometric payment cards on IDEX Biometrics technology



Note: Sella, manager.one, FAB, Rocker and banks in France are with IDEMIA, Nordic Banksm an KIB with Zwipe and banks in Turkey, Azerbaijan and Bangaldesh with IDEX Pay



## IDEX Biometrics focus markets representing highest potential for growth



## India

- ⊖ Indian Population 1.4 BN
- ⇒ 1bn payment cards in circulation, growing at CAGR 25 %<sup>1</sup>
- ⊖ Governmental focus Rupay now focusing on biometrics
- Government financial plan for digital inclusion



## **Turkey**

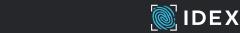
- ⊖ Turkish Population 88 MN
- $\ominus$  265m payment cards in circulation
- $\ominus \quad \text{Largest market in Europe}$
- ⊖ Highly innovative and competitive market leading the banks to invest in differentiation
- $\ominus$  55% contactless penetration
- ⊖ IDEX Biometrics partner with E-Kart (G+D)



## Bangladesh

- ⊖ Bangladeshi Population 173 MN
- ⊖ 33m payment cards in circulation
- ∋ Digital Bangladesh –focus on payments
   growing at CAGR 20 %
- ⊖ 60m unbanked adults, 60% of population
   need digital ID solution for financial inclusion
- Collaboration between banks and government implement card programs

Source: 12022–2026, reaching \$581.2bn in '26; Global Data (2023), <sup>2</sup>203-2026, valued at \$365.1bn in '23; Global Data (2023)



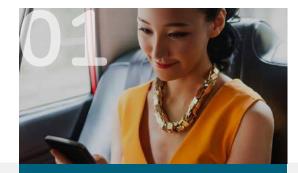
## 21 card manufacturers in commercialization with IDEX Biometrics



## Annual card production of these card manufacturers > 1.5 billion cards



## Specific bank customer segments are driving early adoption



### Premium

Affluent, high networth customers, often frequent travellers and interested in biometric metal cards



#### Corporate

Clients in need of stronger security to conduct high value corporate transactions



### Tech savvy

Young professionals seeking differentiation and preferring challenger banks



## Vulnerable

Elderly or with special needs who struggle to maintain multiple passcodes and PINs or unable to use them

## //Accomplish







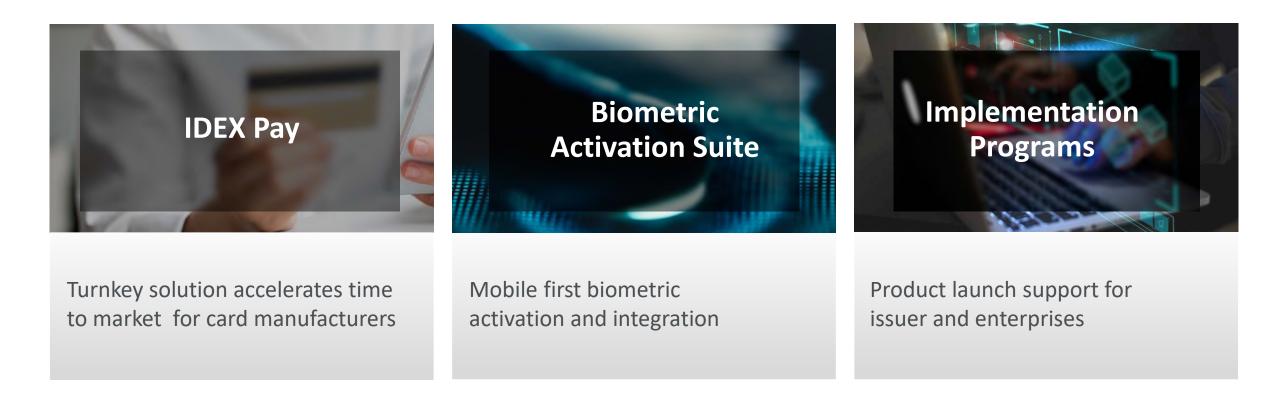


## 9 partners launching cyber solutions with IDEX Biometrics technology



Source: <sup>1</sup> McKinsey, 2022

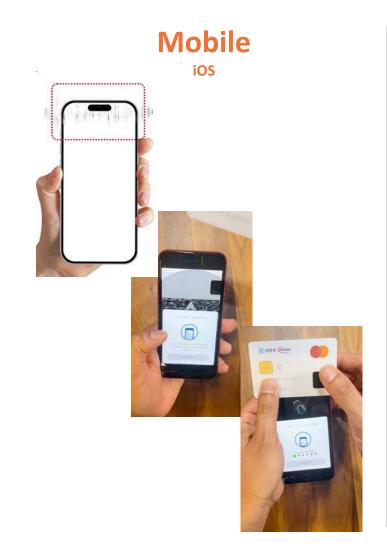




### **Optimizing issuer investment and accelerating time to market**



## Suite of new activation solutions to support IDEX Pay





## **In-branch**

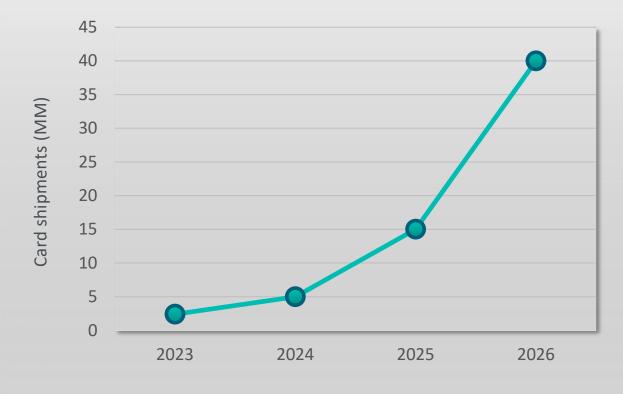




## Repeat – and change Enabling the future of payments and authentication

- $\ominus$  IDEX Pay now certified
- ⇒ IDEX Pay certified solution has accelerated market penetration with 20+ card manufactures in motion, X LOAs expected in 2023
- ⇒ 18 banks and issuers coming to market with IDEX biometric payment solution
- 9 partners for digital authentication and identity access solutions
- ⇒ IDEX is ideally positioned for global scale; one platform addressing multiple markets

#### **Biometric Payment Card Shipments**



Source: IDEX projection



# Business Model and Financial Outlook



IDEX strategic distribution network of manufacturers is the foundation to commercial scale and path to break-even







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