Build a Secure Cyberspace 2017 "Smart Home, Safe Living" Seminar Mobile Payment - Paying with Ease and with Piece of Mind

CONNED X20V - GET-VALUE TRACE USER STATUS PRINT_VALUE ONSRN

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Evolution Security Consulting

- Founded in 1999 in the UK, Evolution is a specialised network and Internet system security firm.
- Headquarters of the group is located in London, and with offices in 8 locations worldwide. Hong Kong is the regional quarter for APAC.
 - Two 24x7 PCI Monitoring Datacenters in Channel Islands and Derby, UK.
- Provides full range of Professional Security Consultation and Compliance services.







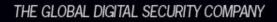
Evolution PCI DSS Qualifications



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- Evolution is an accredited PCI QSA (Qualified Security Assessor)
- Providing full-cycle PCI-DSS services, (security assessment, remediation, professional consultancy service)

- Hong Kong's Most Valuable Companies Awards 2015 and 2016
 - Most Trusted Compliance and Security Solutions
 - Best Compliance and Corporate Security Services







Mobile Payment

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Digital Wallet

- A Digital Wallet is a secure place that contains one or more currency purses
 - Shoppers can fund a Digital Wallet in several different ways

 Once funded, shoppers can use Digital Wallet online to buy goods or services



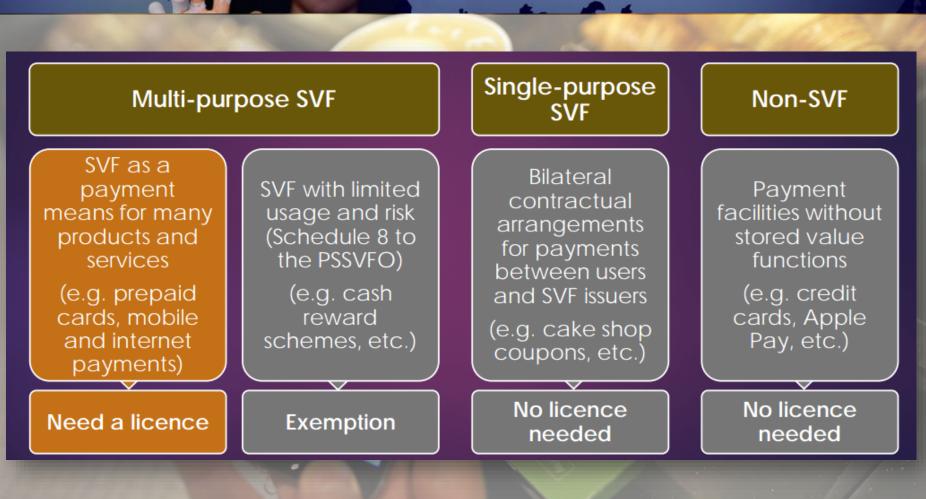


Digital Wallet

- HKMA has granted a total of 13 SVF (Stored Value Facility) licenses
 - In Q1 2017, the total number of transactions by SVF was 1.35 billion, with the transaction value at HK\$29.4 billion







*Source: Hong Kong Monetary Authority





Demonetization

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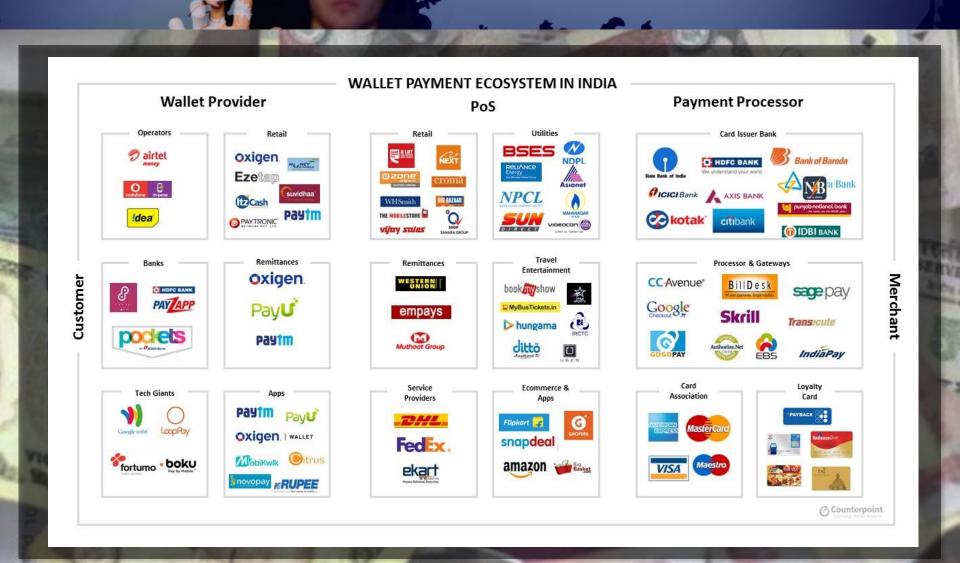
Demonetization

On November 8, 2016, the Government of India announced the demonetisation of all ₹500 and ₹1,000 banknote

Overnight, 90% of the nation's currency was killed.







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Benefits of Mobile Payment

- No only more convenient for consumers
- Additional benefit for merchants and card operators
- And for everyone in the mobile payment ecosystem







Consumers' Concerns on Mobile Payment



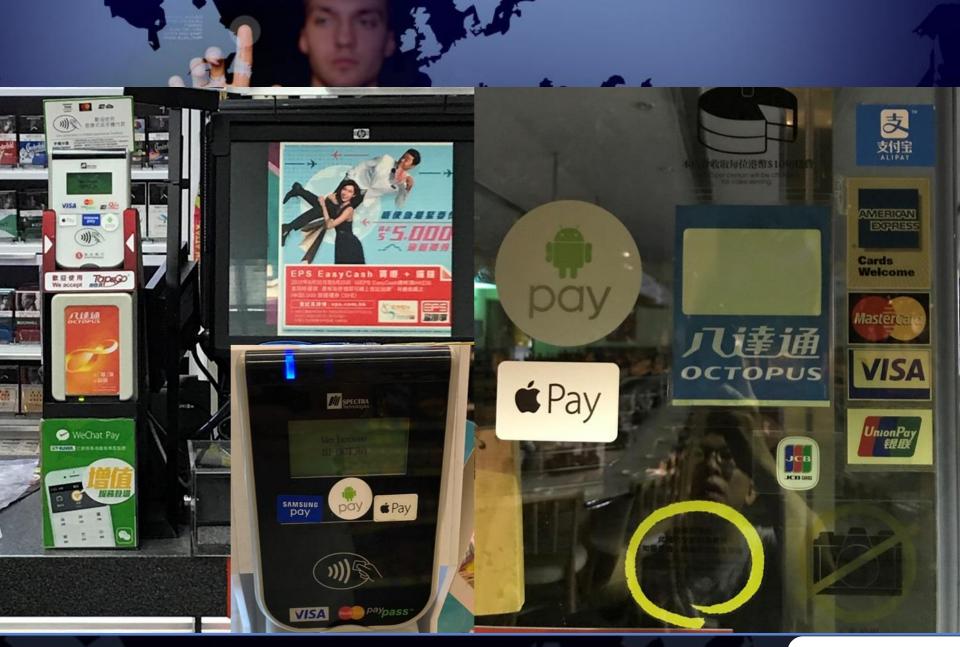


Security

- Multi-factor authentication
- Technologies such as E2EE (End-to-End Encryption) and Tokenization are deployed
- EMVCo has published a document providing a standard for the formatting, encoding, and decoding of data embedded in QR codes when used for payment purposes
- Generally more secured than traditional payment card transactions







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Diversity of Providers

- Causing confusions for consumers
- Slowing down technology evolutions
- Could pose security risk
- Jeopardize the development of the mobile payment market in HK





Privacy Protection

- New payment technologies make it much easier for data mining on consumers' spending behavior
- Consumers raising questions on how their personal data is being protected
 - Additional concerns on their spending and transaction history



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Kai Ngo Kai paid Eric Tang

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Elvin Yu paid Eric Tang 20:41 01/07/2017

03:58 19/08/2017



Kai Ngo Kai paid Eric Tang 10:03 19/06/2017



Elvin Yu paid Eric Tang 22:37 17/06/2017



Elvin Yu paid Kai Ngo Kai 17:26 17/06/2017

Send money

Privacy on P2P Payment







Consumers' Responsibilities

- Setup additional authentication layer
- Only use the wallet and mobile payment methods you needed
- Take good care of your devices
- Have a clear understanding on what needs to be done in case of a lost device
 - Stay updated, stay educated







Security [®] Standards Council

Guideline:	PCI Mobile Payment Acceptance Security Guidelines
Version:	2.0
Date:	September 2017
Author:	Emerging Technologies, PCI Security Standards Council

PCI Mobile Payment Acceptance Security Guidelines for Merchants as End-Users

Fresh off the press from PCISSC





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