Blockchain will do for transactions what the Internet did for information.
Dubai will be the first city in the world to conduct applicable Government transactions via Blockchain by 2020

H.H. Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum

On the occasion of launching the Dubai Blockchain Strategy, 5 October 2016
“Crowned the Blockchain capital”

CNN GLOBAL GATEWAY

SMART DUBAI
DUBAI BLOCKCHAIN STRATEGY
Three Strategic Pillars

- **Government Efficiency**
- **Industry Creation**
- **International Leadership**
Achieving efficiency by using blockchain technology in applicable government services

Use Cases

Shared Blockchain Platform

Dubai Blockchain Application Policy
BLOCKCHAIN USE CASES ROLL-OUT PLAN

1. **Identification of Blockchain applications**
   - Mar - Apr 2017

2. **Designing Blockchain use cases strategically and technologically with government entities**
   - Apr - Dec 2017

3. **Implementation of the first stages of blockchain use cases by entities**
   - Jan - Dec 2018

4. **Implementation of Blockchain applications**
   - 2019 +
25 Blockchain Use Cases

- Finance
- Education
- Real Estate
- Tourism
- Commerce
- Health
- Transport
- Security
Finance

Settling payments for Dubai Pay
Implemented

Bitoasis
Cryptocurrency exchange platform
Implemented

Addenda
Insurance payment settlement platform
Implemented

Financial transfers between UAE and India using blockchain
Implemented

Issuing electronic checks
In Progress
**Education**

- **Smart City Academy 10X**
  - Implemented

- **Issuance of digitally accredited degrees from Hamdan Bin Mohammed Smart University**
  - Implemented

- **Issuance of digitally accredited degrees from Zayed University**
  - Implemented

- **Issuance of digitally accredited degrees from Al Mawakeb School**
  - Implemented

- **Completion of enrollment procedures for students moving between emirates**
  - In Progress
Real Estate

- Verification of property title deeds
  Implemented

- Completion of property rent procedures by Wasl Properties
  Implemented

- SmartCrowd portion-based real estate investment
  Implemented
Tourism

1. Atlantis Hotel digital wallet
   In Progress

2. Caesars Bluewater digital wallet
   In Progress

3. Emirates loyalty program
   In Progress

4. Emaar Properties referral and loyalty platform (EMR)
   Loyalty Program
   In Progress
### Commerce

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply chain automation for delivery of e-commerce products</td>
<td>Implemented</td>
</tr>
<tr>
<td>Supply chain management</td>
<td>Implemented</td>
</tr>
<tr>
<td>Unified trade license registry</td>
<td>In Progress</td>
</tr>
<tr>
<td>Digital Silk Road (unification of trader registration, export authorization)</td>
<td>In Progress</td>
</tr>
<tr>
<td>Trade finance and fraud prevention network</td>
<td>In Progress</td>
</tr>
</tbody>
</table>

**Smart Dubai**

**Dubai Blockchain Strategy**
Health

- Licensing of healthcare specialists
  - Implemented

Transport

- Vehicle life cycle
  - In progress
- Registering the Electric Vehicle Green Charger
  - In progress

Security

- Requesting a certificate for a lost passport
  - In progress
DUBAI BLOCKCHAIN POLICY

Developing the first comprehensive blockchain implementation policy globally

Developed in collaboration with all public and private entities working on blockchain applications using the best benchmarks
Key Pillars of the Dubai Blockchain Application Policy

Network Governance
- Ownership and Membership
- Network expansion
- Intellectual Property
- Funding and Monetization

Network Processes
- Data Safety and Security
- Data Use and Coordination
- Audit and Compliance
- Network Security and Risk Management
- Communication and Adoption

Key Enablers
- Legal Support
- Shared Network Services
- Network Architecture and Standards
- Technology Platforms
Developed a shared blockchain platform that allows government entities to implement use cases without investing in individual platforms.
Creating an economic sector and effective blockchain-enabling environment, especially for entrepreneurs and start-ups

Economic Impact of Dubai Blockchain Strategy

Global Blockchain Challenge
SMART DUBAI
DUBAI BLOCKCHAIN STRATEGY

Market Value, Global
2015 - 2025 (million AED)

2015: 1,869
2016: 2,219
2017: 2,656
2018: 3,233
2025: 48,901 (t)

+19%

Portion of global market value in Dubai
1%

Market Value, Dubai
2015 - 2025 (million AED)

2015: 18
2016: 22
2017: 28
2018: 35
2025: 437 (t)

+24%

8K
Global Blockchain Businesses

114
Dubai Blockchain Businesses

1.4%
Global Blockchain Businesses in Dubai
GLOBAL BLOCKCHAIN CHALLENGE 2017
MAY 2017
DUBAI DESIGN DISTRICT

100 Participants
The Sun Exchange allows any person to buy solar panels or rent them to schools and companies in the sunniest places on earth, especially Africa. The Sun Exchange organizes the process of collecting and distributing the monthly rents through bitcoin or local currencies.

Educhain allows organizations to issue and share secured digital records and documents - supported by the blockchain platform, without relying on a third party. This eliminates the burden of processing document requests, which reduces processing time from days to seconds.

Everledger is an emerging global company that uses the best developing technologies including blockchain, smart contracts and machine vision to help reduce risk and fraud against banks, insurance companies and open markets.
GLOBAL BLOCKCHAIN CHALLENGE 2018
MAY 2018
FUTURE BLOCKCHAIN SUMMIT, DUBAI WORLD TRADE CENTER

200 Participants
AID:Tech

Supported by digital identity on the Blockchain platform, Aid:Tech Solutions helps deliver benefits including international transfers, social welfare, aid, healthcare and peer-to-peer donations on behalf of partners.

Smart Crowd

The Smart Crowd platform holds the key to the real estate market for ordinary investors. For the first time in the Middle East, the average investor can build a personal investment portfolio through a convenient online platform, with investments as low as 5,000 dirhams.

Codex

Codex is a decentralized record of unique assets like paintings, watches, and more. Codex securely stores an Item ID on a blockchain platform, allowing for an easier way to buy, sell and manage assets of all kinds.
GLOBAL BLOCKCHAIN CHALLENGE 2019

MAY 2019
FUTURE BLOCKCHAIN SUMMIT, DUBAI
WORLD TRADE CENTER

700+ Participants
Quantstamp is a company that provides blockchain security solutions, develops automatic security tools and audits smart contracts.

iGrowchain is a platform that helps unemployed farmers and supports unutilized land to produce high-quality organic food. It provides farmers with sustainable income using an online blockchain software for agricultural management.

Grayblock Power sells blockchain-enabled financial products to raise capital for developers of utility and power infrastructure assets at competitive rates.
Leading the theoretical and practical aspects of blockchain applications and putting Dubai on the global map for thought leadership in the field

Global Excellence

Events
SMART DUBAI RECEIVED THE CITY AWARD AT THE 2017 SMART CITY EXPO IN BARCELONA
GENERATING MEDIA BUZZ THAT HAS PLACED DUBAI ON THE MAP AS THE BLOCKCHAIN CAPITAL OF THE WORLD
SMART DUBAI
DUBAI BLOCKCHAIN STRATEGY

DEVELOPING GLOBAL REPORTS IN COOPERATION WITH THE UN, WORLD ECONOMIC FORUM AND OTHERS
Global precedence two years in a row, 2018-2019
LAUNCH OF THE GLOBAL BLOCKCHAIN EXHIBITION DURING EXPO 2020 AND A PERMANENT BLOCKCHAIN CAMPUS
DUBAI: BLOCKCHAIN CAPITAL OF THE WORLD
THANK YOU