



دبي الذكية  
SMART DUBAI

SMART DUBAI

# DUBAI BLOCKCHAIN STRATEGY 2020

ACHIEVEMENTS REPORT



# 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”



**1** SMART CITY ON THE BLOCKCHAIN  
BARCELONA SMART CITY - EXPO



## CNN GLOBAL GATEWAY





# THREE STRATEGIC PILLARS



**Government  
Efficiency**



**Industry  
Creation**



**International  
Leadership**



**Government  
Efficiency**

**Achieving efficiency by using blockchain  
technology in applicable government  
services**

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**Use Cases**

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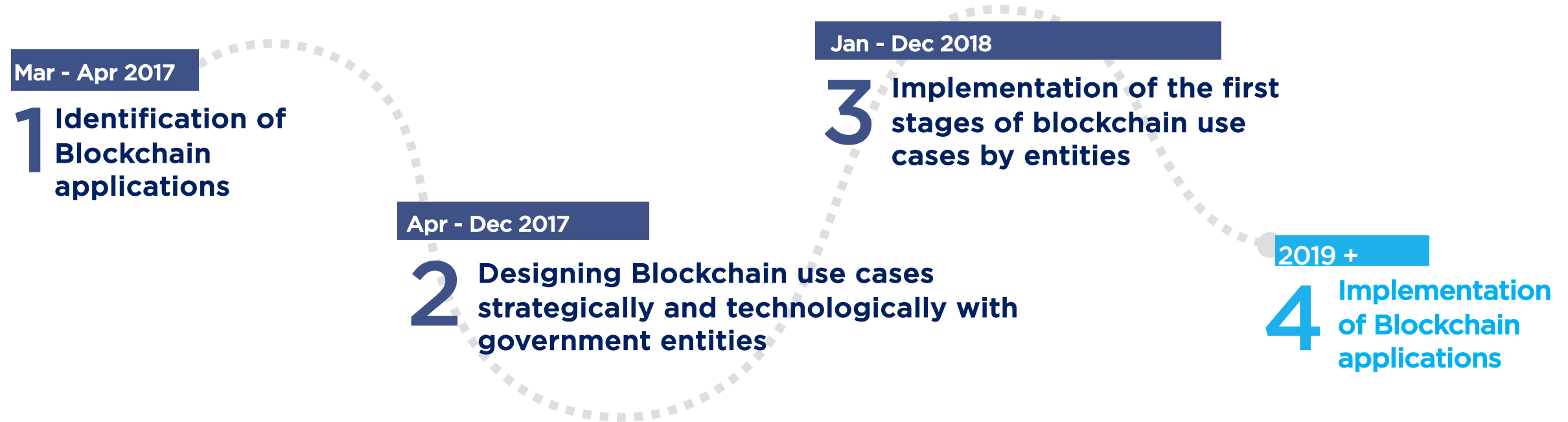
**Shared Blockchain Platform**

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**Dubai Blockchain Application Policy**



## BLOCKCHAIN USE CASES ROLL-OUT PLAN





# 24

## Blockchain Use Cases



Finance



Education



Real Estate



Tourism



Commerce



Health



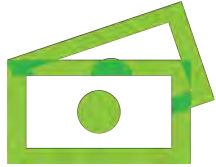
Transport



Security



# Finance



**Settling payments for Dubai Pay**

Fully implemented



**Bitoasis Cryptocurrency exchange platform**

Fully implemented



**Addenda Insurance payment settlement platform**

Fully implemented



**Financial transfers between UAE and India using blockchain**

Fully implemented





# Education



**Smart City  
Academy X10**  
Fully implemented



**Issuance of  
digitally  
accredited  
certifications from  
Hamdan Bin  
Mohammed Smart  
University**  
Fully implemented



**Issuance of  
digitally  
accredited  
certifications  
from Zayed  
University**  
Fully implemented



**Issuance of  
digitally accredited  
certifications from  
Al Mawakeb School**  
Fully implemented



**Completion of  
enrollment  
procedures for  
students moving  
between emirates**  
Under implementation





# Real Estate



Verification of  
property titles

Fully implemented



دائرة الأراضي والأملاك  
Land Department

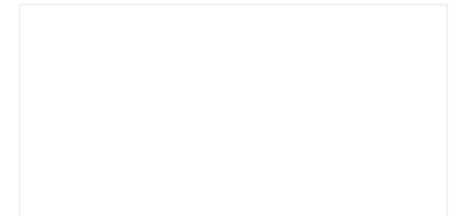
Completion of  
property rent  
procedures by Wasl  
Properties

Fully implemented



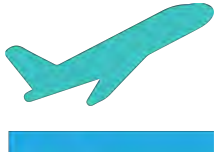
SmartCrowd  
Partial real estate  
investment

Fully implemented





# Tourism



**Atlantis Hotel  
digital wallet**  
Fully implemented



**Caesars  
Bluewater digital  
wallet**  
Fully implemented



**Emirates loyalty  
program**  
Under  
implementation



**Emaar Properties  
referral and loyalty  
platform (EMR)  
Loyalty Program**  
Under implementation





# Commerce



**Global commodity supply chain management**  
Fully implemented



**Retrospective trade license record**  
Under implementation



**Digital Silk Road for trade finance, registration and supply solutions**  
Under implementation



**Trade finance and fraud prevention network**  
UAE Trade Connect  
Under implementation





## Health

**Licensing  
healthcare  
specialists**  
Fully implemented



## Transport

**Vehicle life cycle  
monitoring**  
Under  
implementation



**Registering the  
Electric Vehicle  
(EV) Green  
Charger**  
Under  
implementation



## Security

**Requesting a  
certificate of loss  
Or a passport**  
Under implementation



## SMART DUBAI

DUBAI BLOCKCHAIN STRATEGY  
GOVERNMENT EFFICIENCY

## DUBAI BLOCKCHAIN POLICY

Developing the first comprehensive blockchain implementation policy globally

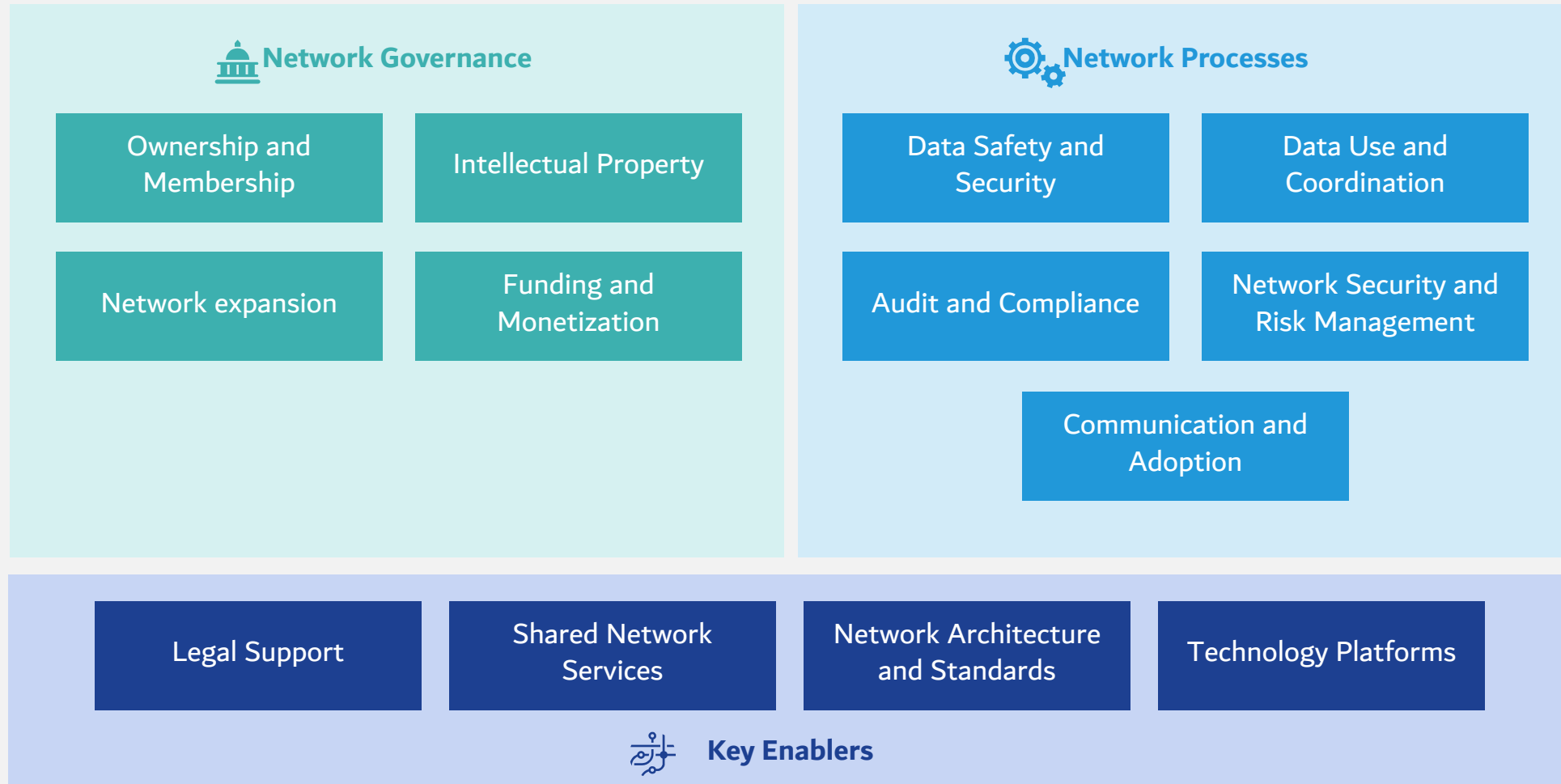
Developed in collaboration with all public and private entities working on blockchain applications using the best benchmarks





# DUBAI BLOCKCHAIN IMPLEMENTATION POLICY PILLARS

## Key Pillars of the Dubai Blockchain Application Policy





# BLOCKCHAIN PLATFORM AS A SERVICE

Developed a shared blockchain platform that allows government entities to implement use cases without investing in individual platforms





**Industry  
Creation**

**Creating an economic sector and effective  
blockchain-enabling environment,  
especially for entrepreneurs and start-ups**

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**Economic Impact of Dubai  
Blockchain Strategy**

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**Global Blockchain Challenge**

# SMART DUBAI

## DUBAI BLOCKCHAIN STRATEGY

### INDUSTRY CREATION

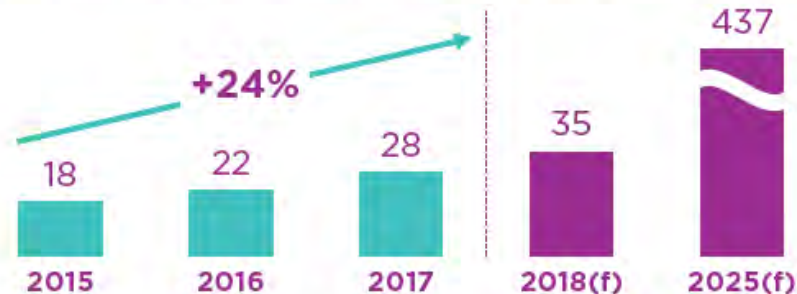


**Market Value, Global** القيمة السوقية، العالمية  
2015 - 2025 (million AED) 2025 - 2015 (مليون درهم)



**1%** جزء من القيمة السوقية العالمية في دبي  
Portion of global market value in Dubai

**Market Value, Dubai** القيمة السوقية، دبي  
2015 - 2025 (million AED) 2025 - 2015 (مليون درهم)



**8K** شركات البلوك تشين العالمية  
Global Blockchain Businesses

**114** شركات البلوك تشين في دبي  
Dubai Blockchain Businesses

**1.4%** شركات البلوك تشين العالمية في دبي  
Global Blockchain Businesses In Dubai

## SMART DUBAI

DUBAI BLOCKCHAIN STRATEGY  
INDUSTRY CREATION

# GLOBAL BLOCKCHAIN CHALLENGE 2017

MAY 2017  
DUBAI DESIGN  
DISTRICT

100  
Participants





# GLOBAL BLOCKCHAIN CHALLENGE 2017 WINNERS



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.

SMART DUBAI  
DUBAI BLOCKCHAIN STRATEGY  
INDUSTRY CREATION

# GLOBAL BLOCKCHAIN CHALLENGE 2018

MAY 2018  
FUTURE  
BLOCKCHAIN  
SUMMIT, DUBAI  
WORLD TRADE  
CENTER

200  
Participants





# GLOBAL BLOCKCHAIN CHALLENGE 2018 WINNERS

AID:Tech



tge.aid.technology

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.



Crowd



www.smartcrowd.ae

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.



codexprotocol.com

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.

**SMART DUBAI**  
DUBAI BLOCKCHAIN STRATEGY  
INDUSTRY CREATION

# GLOBAL BLOCKCHAIN CHALLENGE 2019

**MAY 2019**  
**FUTURE  
BLOCKCHAIN  
SUMMIT, DUBAI**  
**WORLD TRADE  
CENTER**

**700+**  
**Participants**





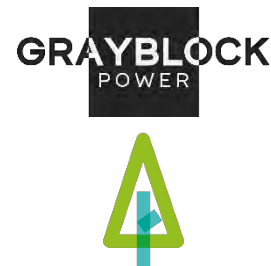
# GLOBAL BLOCKCHAIN CHALLENGE 2018 WINNERS



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



**International  
Leadership**

**Leading the theoretical and practical  
aspects of blockchain applications and  
putting Dubai on the global map for  
thought leadership in the field**

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**Global Excellence**

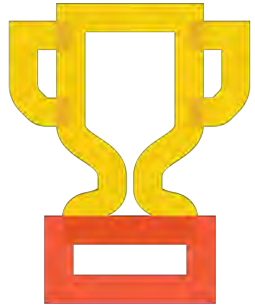
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**Events**

## SMART DUBAI

DUBAI BLOCKCHAIN STRATEGY

INTERNATIONAL LEADERSHIP



**FIRST SMART CITY  
ON THE  
BLOCKCHAIN**

BARCELONA  
SMART CITY - EXPO

**SMART DUBAI RECEIVED  
THE CITY AWARD AT THE  
2017 SMART CITY EXPO IN  
BARCELONA**



**SMARTCITY**  
EXPO WORLD CONGRESS

  
Fira Barcelona



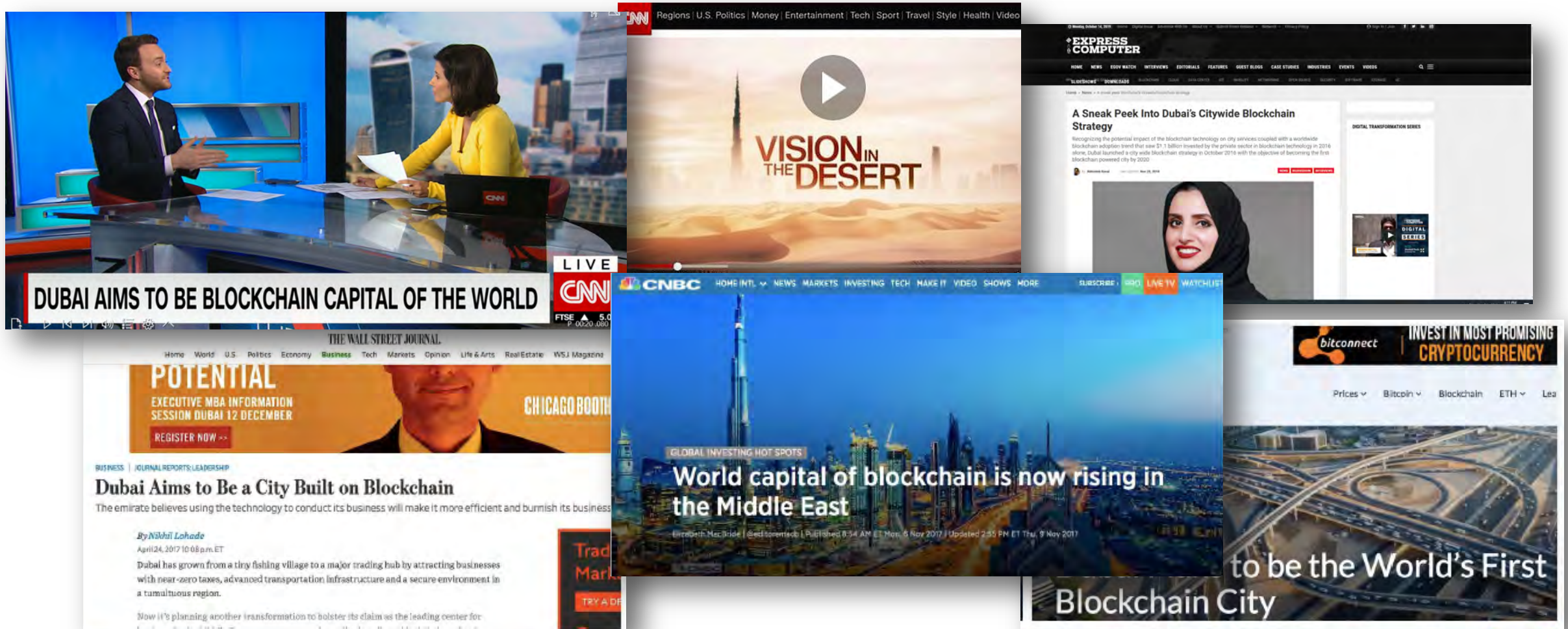
# SMART DUBAI

## DUBAI BLOCKCHAIN STRATEGY

### INTERNATIONAL LEADERSHIP

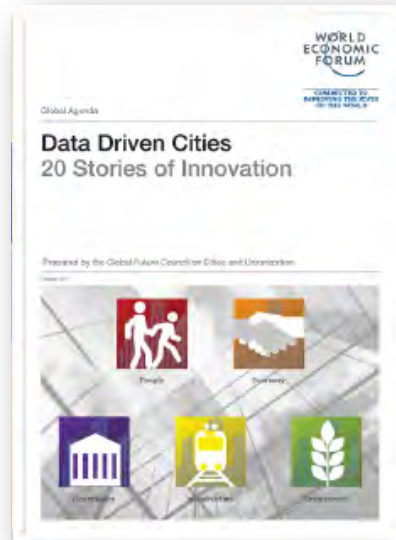


# GENERATING MEDIA BUZZ THAT HAS PLACED DUBAI ON THE MAP AS THE BLOCKCHAIN CAPITAL OF THE WORLD





# DEVELOPING GLOBAL REPORTS IN COOPERATION WITH THE UN, WORLD ECONOMIC FORUM AND OTHERS



## SMART DUBAI

DUBAI BLOCKCHAIN STRATEGY  
INTERNATIONAL LEADERSHIP

THE FUTURE  
BLOCKCHAIN  
SUMMIT IS THE  
LARGEST  
GLOBAL  
BLOCKCHAIN  
EVENT WITH  
10,000  
PARTICIPANTS IN  
2019

Global  
precedence two  
years in a row,  
2018-2019

#1 BLOCKCHAIN EVENT IN THE WORLD

# WORLD'S LARGEST AUDIENCE AT A BLOCKCHAIN EVENT

134

global superstar  
speakers

40%

speaking for the first  
time in the region

82

sponsors &  
exhibitors

48

of the world's most  
disruptive startups

124

hours of blockchain  
use-cases and  
power learning

18

world's most game-changing  
project founders talk  
inspirational pilots  
changing the world



## SMART DUBAI

DUBAI BLOCKCHAIN STRATEGY  
INTERNATIONAL LEADERSHIP

LAUNCH OF THE  
GLOBAL  
BLOCKCHAIN  
EXHIBITION  
DURING EXPO 2020  
AND A  
PERMANENT  
BLOCKCHAIN  
CAMPUS



# DUBAI: BLOCKCHAIN CAPITAL OF THE WORLD





THANK YOU