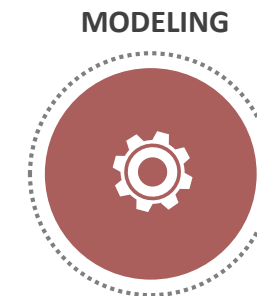
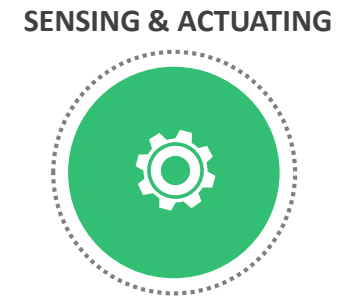
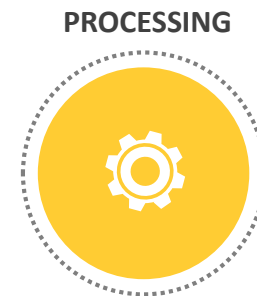
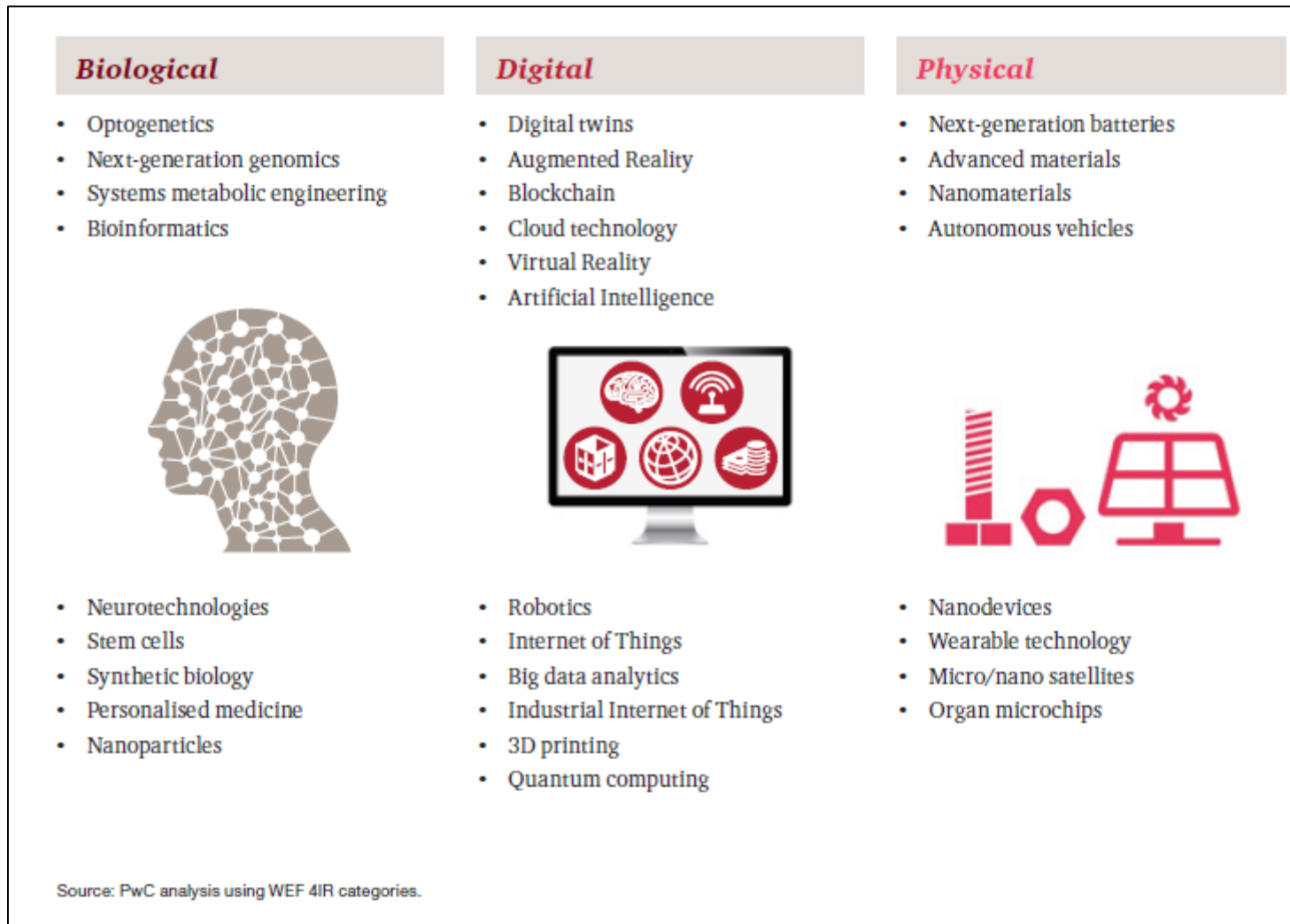


# SMART DUBAI

## Inspiring New Realities

Dr. Okan Geray, Strategic Planning Advisor, Smart Dubai



80%

Global GHG Emissions

75%

Global Natural Resources  
consumed

55%

Global Population

2bn metric  
tons

Municipal Waste

# Cities formulate their strategies in line with global and local agendas



...



**National  
Visions &  
Strategies**

**Local  
Visions &  
Strategies**



# “To make Dubai the happiest city on Earth”

**HIS HIGHNESS SHEIKH MOHAMMED BIN RASHID AL MAKTOUM**

VICE-PRESIDENT AND PRIME MINISTER OF THE UAE, AND RULER OF DUBAI





**Smart Dubai is leveraging the power of technology to transform city-wide experiences, inspiring new realities, and achieving a happier life for all**

# Smart Dubai's approach focuses on six city dimensions key to the city's digital transformation



## GOVERNANCE

Innovative, transparent government services with public, private & civil engagement



## LIVING

Exceptional quality of life, accessible education, culturally vibrant lifestyle



## ENVIRONMENT

Innovative resource, pollution & asset management for sustainability



## ECONOMY

Innovative economic conditions fueling entrepreneurship & global competitiveness



## MOBILITY

Seamless, efficient transport of people & movement of ideas enabled by innovative infrastructure



## PEOPLE

Culture of continual learning, innovating & participating in an inclusive society



1

Smart City  
Planners



2

Citizen Experience  
Transformers



3

City Digitisation  
Enablers



4

Gov ICT  
Efficiency Drivers



5

Data  
Governors



6

Data  
Insights Generator



7

Global Smart  
City Leaders



8

Government  
Agenda Shapers



2019





# CITIZEN EXPERIENCE TRANSFORMERS

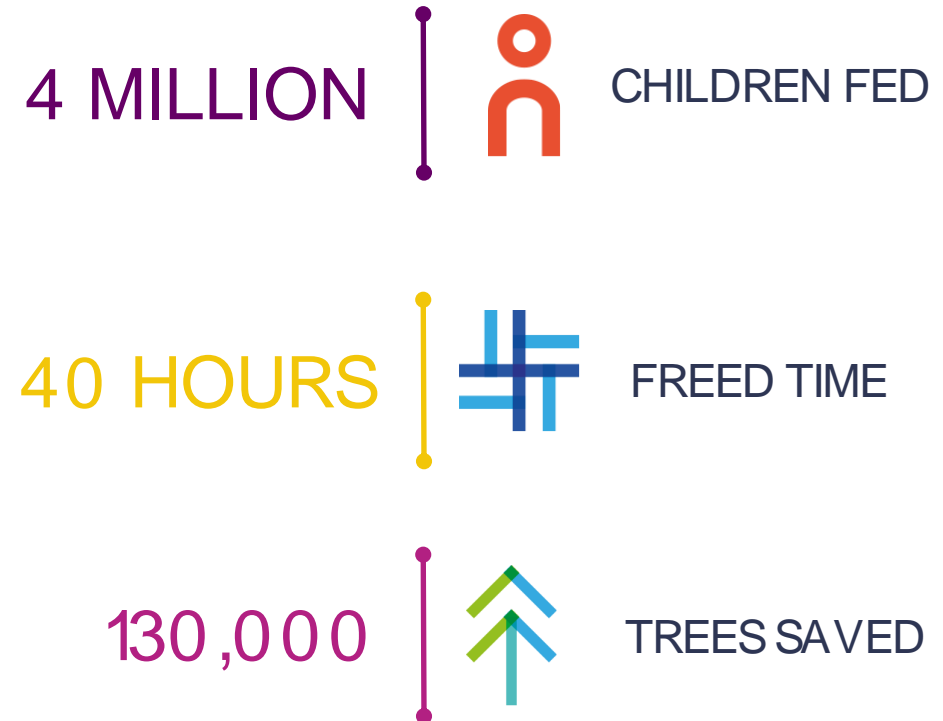
**4th ITU Annual Forum on “IoT, Big Data, Smart Cities and Societies” for Arab region**  
Dubai, UAE, 28-29 August 2019



# 1 BILLION PAPERS

REDUCED ANNUALLY

Smart Dubai will be the paperless, sustainable smart city of the future by 2021.

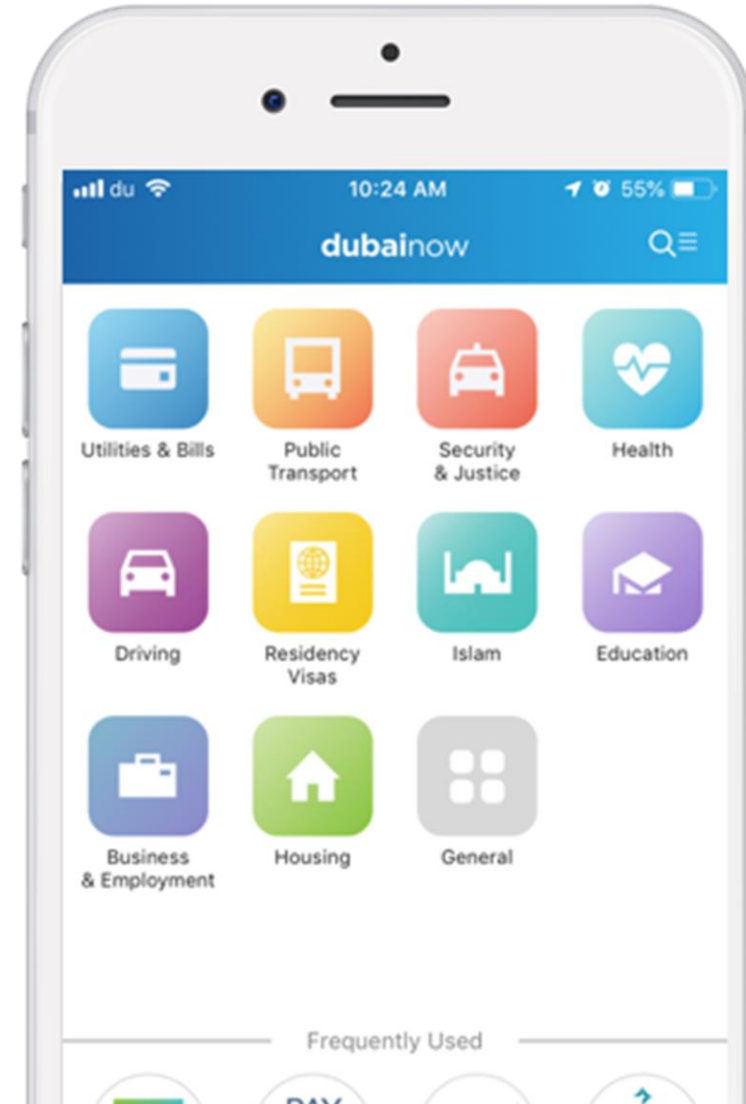




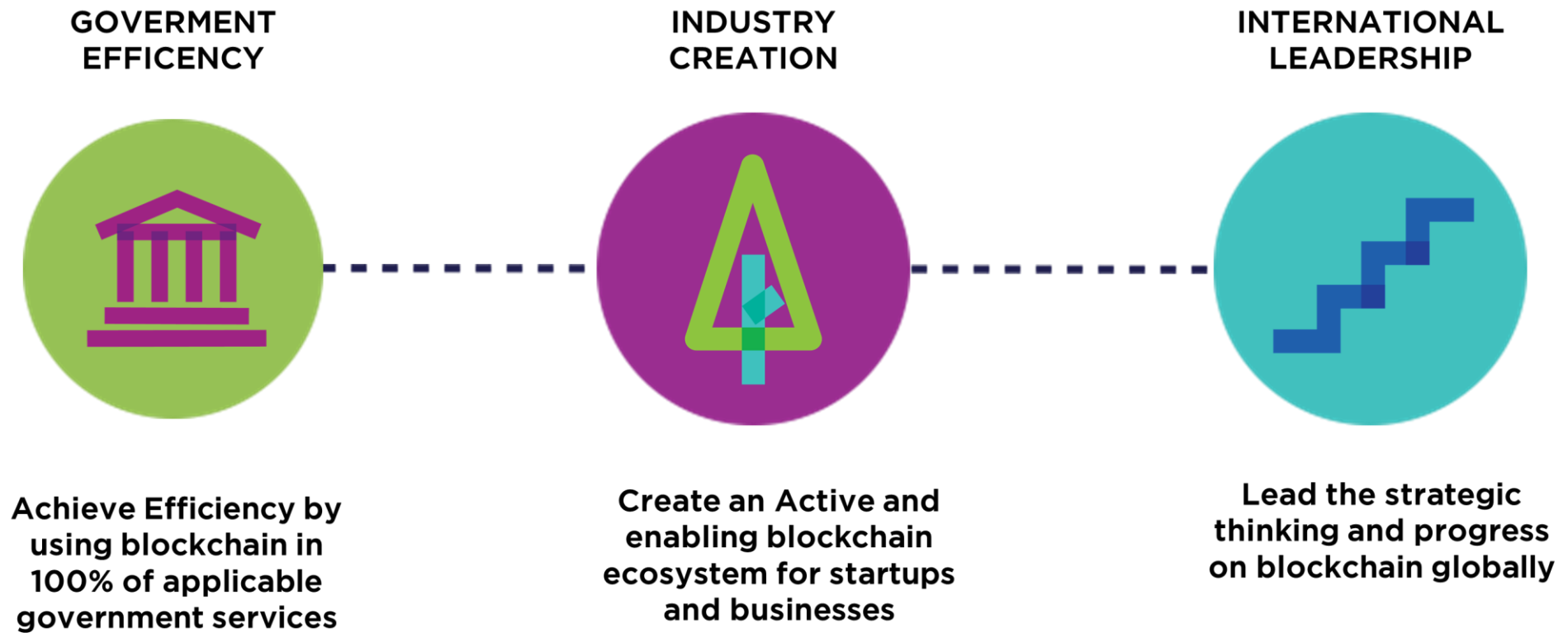
One app for all government services, paperless and connected by 2021

**70+ Services**

**30+ Entities**



## Making Dubai the Global Capital of Blockchain



**43** USE CASES IDENTIFIED

**20** ENTITIES

IMPACTED BY AI



TRANSPORT



HEALTH



TOURISM



TRAVEL



EDUCATION



REAL ESTATE



LOGISTICS



GOVERNMENT



RETAIL



SECURITY



The city's virtual assistant  
kickstarting our AI strategy

Developing AI Ethics Principles & Guidelines to excel in the use and development of AI for human benefit and happiness



Dubai's AI Principles



Ethical AI Guidelines



FATE Self-Assessment Checklist



Supplementary Documents

## DUBAI'S AI PRINCIPLES





# CITY DIGITIZATION ENABLERS

**4th ITU Annual Forum on “IoT, Big Data, Smart Cities and Societies” for Arab region**  
Dubai, UAE, 28-29 August 2019





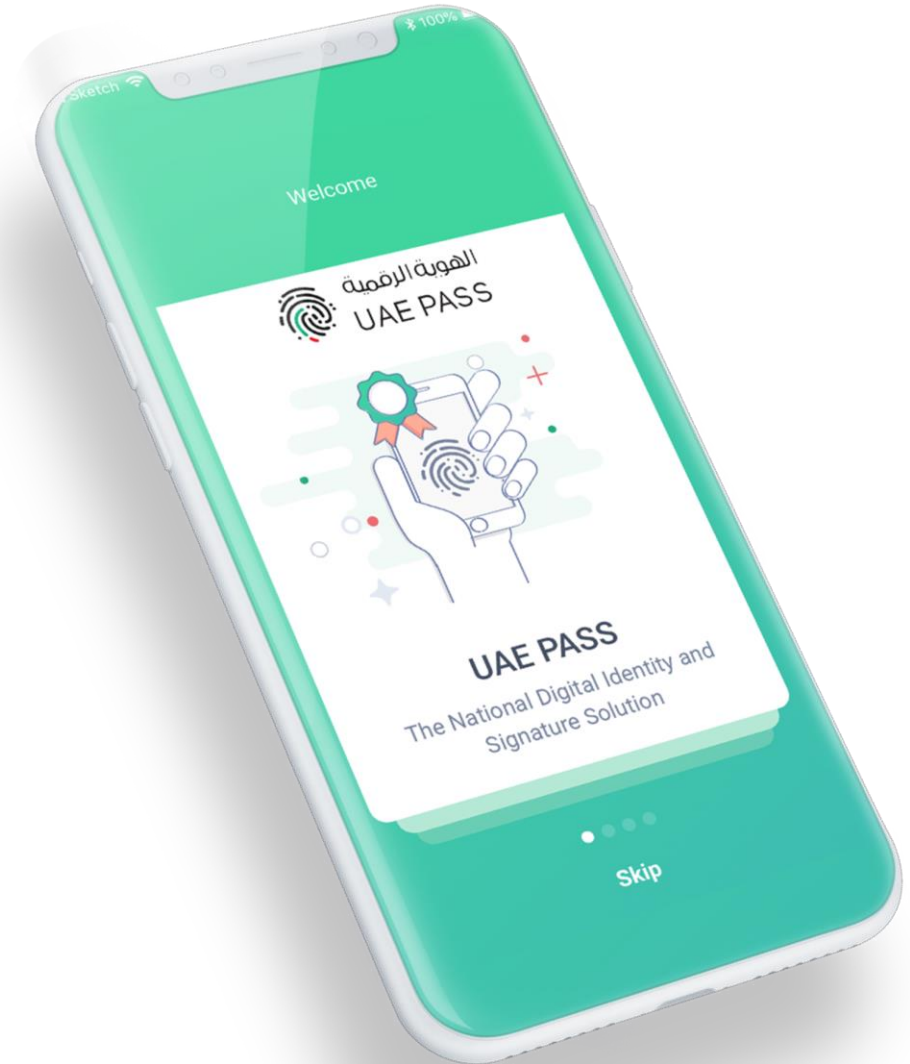
Single digital identity



Sign in through your smartphone



Digital signature of documents







**AED  
55.15BN**  
COLLECTED SINCE 2015  
TILL DATE

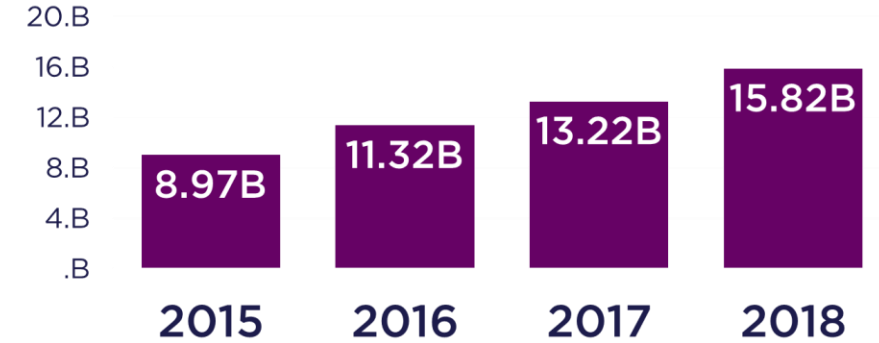
**38.22M**  
TRANSACTIONS SINCE 2015  
TILL DATE

DubaiPay payment reconciliation is now on blockchain

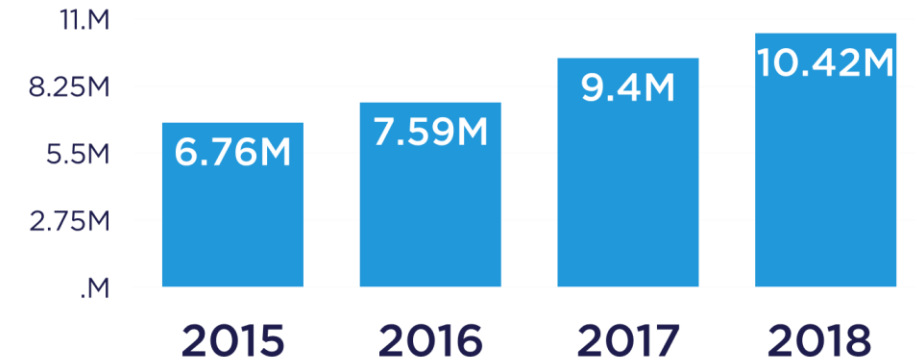
In partnership with:



## TOTAL PAYMENTS IN AED



## TOTAL TRANSACTIONS





# DATA GOVERNORS

**4th ITU Annual Forum on “IoT, Big Data, Smart Cities and Societies” for Arab region**  
Dubai, UAE, 28-29 August 2019



## The Dubai Data Law outlines 9 obligations for government departments



DIRECTION

### PREPARATION

- Identify obstacles for review by Concerned Body
- Develop a plan for sharing of data
- Classify/categorize the entity's data



BOOK

### DATA OPENING & SHARING

- Modify infrastructure to publish and share data
- Take all necessary actions to publish and share data
- Report on data publication and sharing as requested by Concerned Body



### UPKEEP & COMPLIANCE

- Handle data from other providers in compliance with Concerned Body
- Adhere to policies and requirements
- Ensure quality and updating of entity's data

# Compliance Dashboard

Compliance dashboard and report to enhance City Data Governance & Improve Compliance

 **220** COMPLIANCE REPORTS GENERATED

 **4** QUARTERLY REPORTS

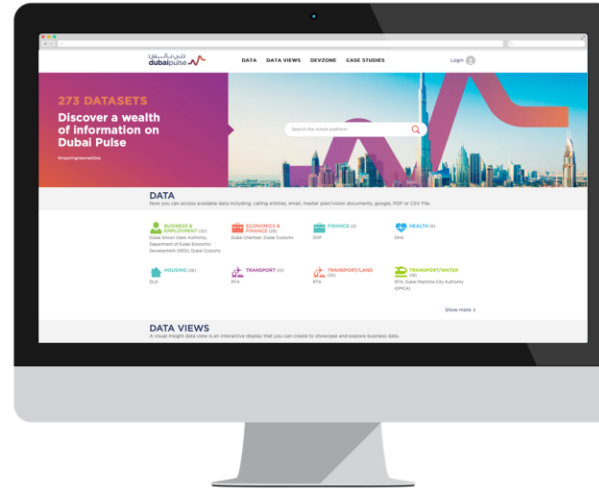
 **9** ELEMENTS MEASURED

 **1ST** COMPLIANCE DASHBOARD



Dubai Pulse is the digital backbone of smart transformation

TODAY, 422 datasets have been INGESTED ON DUBAI PULSE



2000+

DATA SETS IDENTIFIED

35

PARTICIPATING ENTITIES

635K

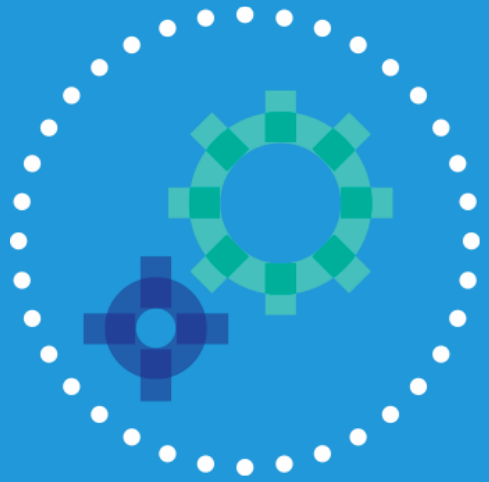
TOTAL DATASETS HITS SINCE AUGUST 2017

57K

DATASETS DOWNLOADED SINCE AUGUST 2017

7

SERVICES AVAILABLE INCLUDING:  
IaaS, PaaS, DTaaS,  
IoTaaS, DBaaS, DSaaS,  
and DaaS



# DATA INSIGHTS GENERATORS

**4th ITU Annual Forum on “IoT, Big Data, Smart Cities and Societies” for Arab region**  
Dubai, UAE, 28-29 August 2019



## Leadership dashboard providing relevant economic indicators and contextual data in one place

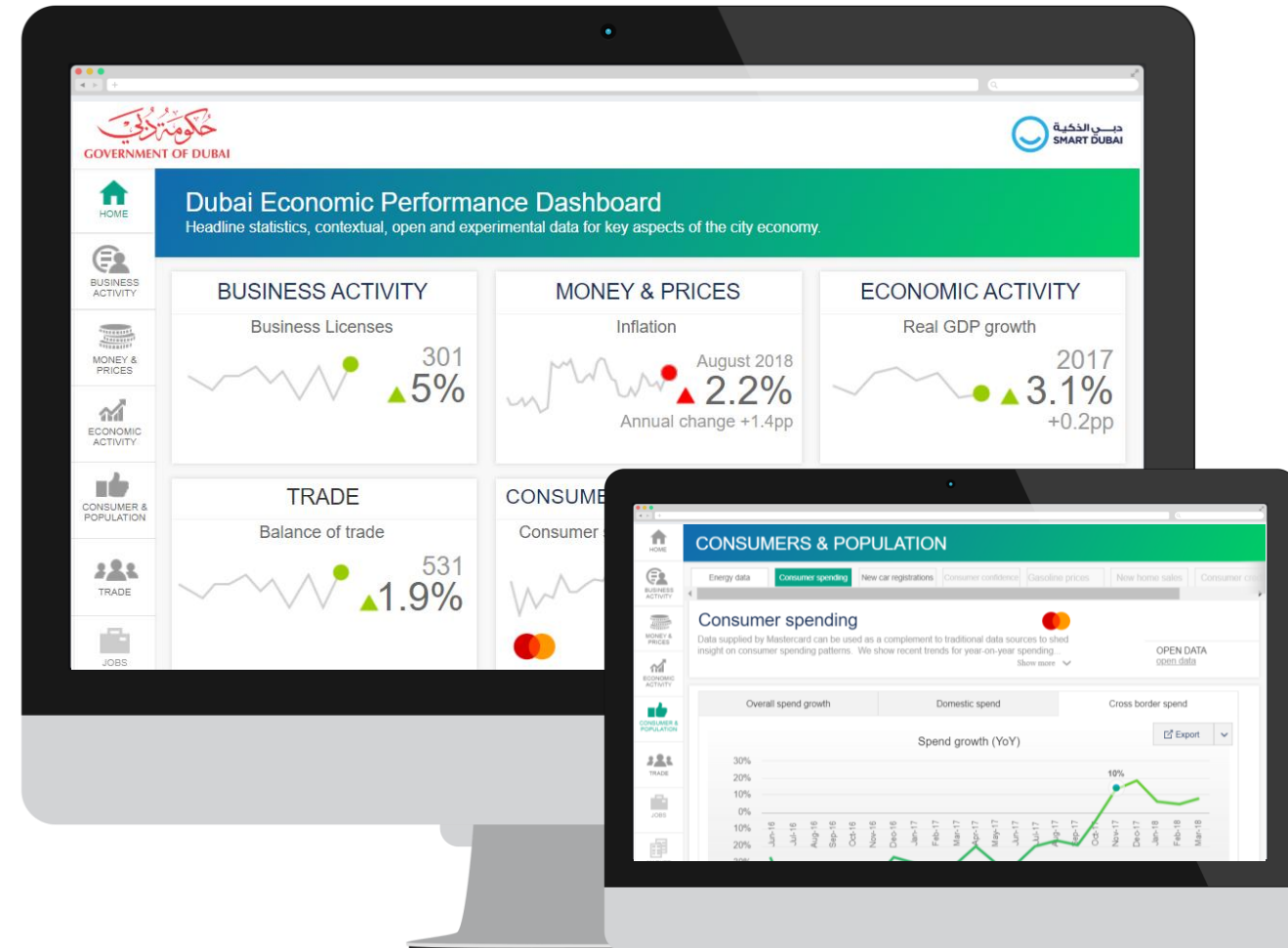
A focus for economic data and policy discussion

Merging data from established and new sources such as MasterCard, Bloomberg, PropertyFinder, and MAF

Descriptive and comparative fields such as city, region, global, etc

Predictive and prescriptive (AI) is near-at-hand

UX is ready to be rolled out





**THANK YOU**

SMARTDUBAI.AE

