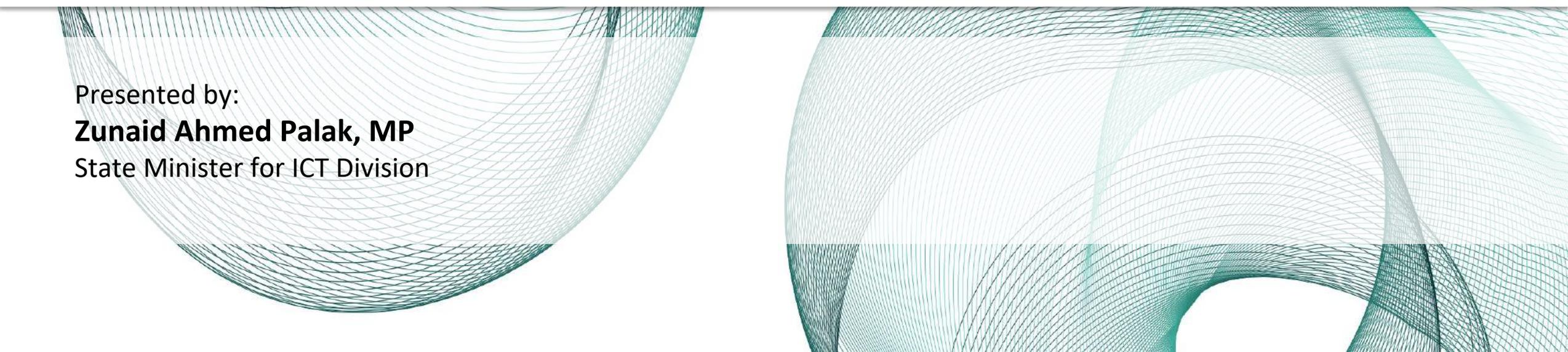# Digital Bangladesh
to **Smart Bangladesh**

Presented by:
Zunaid Ahmed Palak, MP
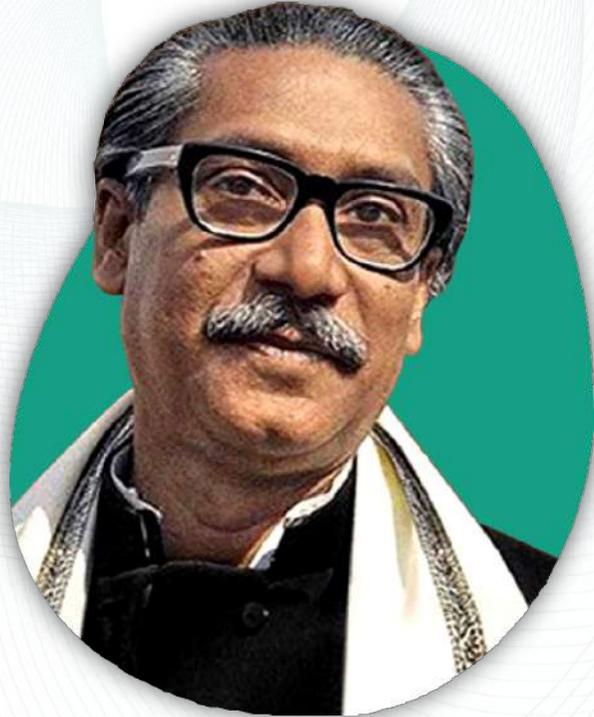State Minister for ICT Division

With my soil,
With my people
With my culture
With my background
By associating it with my history
I have to build an economic system

Father of the Nation
Bangabandhu Sheikh Mujibur Rahman

DIGITAL BANGLADESH is the PHILOSOPHY of REVOLUTION

The Father of the Nation
Bangabandhu Sheikh Mujibur Rahman

The Visionary of
Digital Bangladesh
Honourable Prime Minister
Sheikh Hasina

Architect of Digital Bangladesh
Sajeeb Wazed
Honourable ICT Advisor to the
Honourable Prime Minister

Our Vision is to Establish a Knowledge and Innovation Economy

Vision 2021 – Digital Bangladesh

Vision 2031

Vision 2041 – Smart Bangladesh

Digital Bangladesh	2030 SDG Goals	Developed Nation
Middle Income Country	Upper Middle Income Country	Knowledge Economy
		High Income Country

Four Pillars of Digital Bangladesh

Four Pillars	Digital Government	Connectivity and Infrastructure	Human Resource Development	ICT Industry Promotion
	Vital services delivered electronically	Citizens connected to internet	IT/ITES professionals	ICT Industry Export
2021	90%	90%	2M	$1.3B
2025	100%	100%	3M	$5B
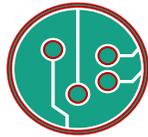
Targets

BANGLADESH: An UNMATCHED GROWTH STORY

Bangladesh
COUNTRY OVERVIEW

CAPITAL
Dhaka

LARGE CONSUMER-DRIVEN ECONOMY

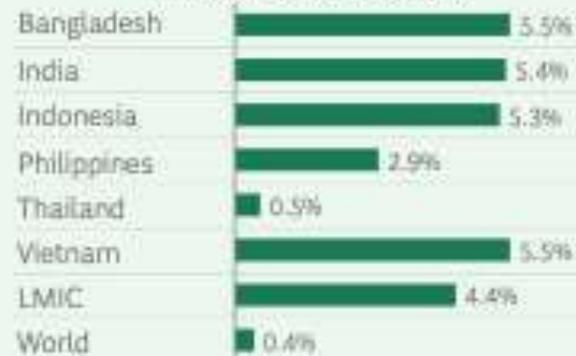| **$468 Bn+**	**6%+**	**$2,824**	**170 Mn+**	**24 years**
GDP (2022)	GDP Growth (2016 – 21)	Per Capita Income (FY'21 – FY'22)	Population (June 2022)	Median age (June22)

Steady growth during global crisis periods

- 2007-09
- 2019-20

High annual GDP growth during Global Financial Crisis (2007-09)

GDP also growing during COVID (2020)

	2007-09	2019-20
Bangladesh	5.5%	3.4%
India	5.4%	-6.6%
Indonesia	5.3%	-2.1%
Philippines	2.9%	-9.5%
Thailand	0.5%	-6.2%
Vietnam	5.5%	2.9%
LMIC	4.4%	-5.3%
World	0.4%	-3.3%

0.4%   -3.3%

The Country is Experiencing an Exciting Phase of Large-scale Digitalization

Fast Emerging Economy with a Promising Future

A Fast Growing Economy

1 of only 2
ASEAN and South Asian Economies to register **positive growth during pandemic**

8.2%
Pre-COVID Average GDP growth

6.1%
GDP growth in **2022**

7.5%
GDP growth **target set for 2023**

A Surging Consumer Market

9th
largest mobile market (**~181 Mn users**)

34 Mn
to reach **Middle & Affluent Class** in 2025, 2 Mn join the MAC class every year. (BCG)

188 M+
MFS subscribers doing **14 Mn+** transactions per day

A Global Innovator

 # 1
in **Mobile Financial Services** (bKash)

#2
largest **RMG exporter globally**

A Young Country

50%
population **under the age of 25 years**

Leapfrogging in ICT and Digital Adoption

130 Mn+
internet users

180 Mn+
mobile subscribers

2000+
E-Services

10 Mn+
E-service users per month

120 Mn+
Digital IIDs Issued

150 Mn+
Bio-metric Sims issued

E-Government is at the Forefront of the Digital Citizen Service

5,00,00,000+
services delivered through National Emergency Helpline

1,00,00,000+
citizens are served from **8,663 Digital Centres** every month including **22 digital centres in KSA**

72,00,000 +
telemedicine service during COVID

700+
e-Services at MyGov Platform

7,50,00,000+
services through 333-helpline

75,00,000+
services delivered every month through digital centres

3,47,000+
bail applications on virtual court

92,00,000+
e-mutation services provided through online platform

52,000
Govt. office websites housed under one portal

2,00,00,000 +
files disposed in eNothi

5,20,000 +
digital content uploaded on Muktopath Platform

3,85,000+
customers served through Digital Hut

TCV Reduced for Citizens in Digital Bangladesh *(until 2022)*

16.72 BILLION DAYS

21.8 BILLION USD

12.7 BILLION VISITS

6.04 BILLION SERVICES DELIVERED

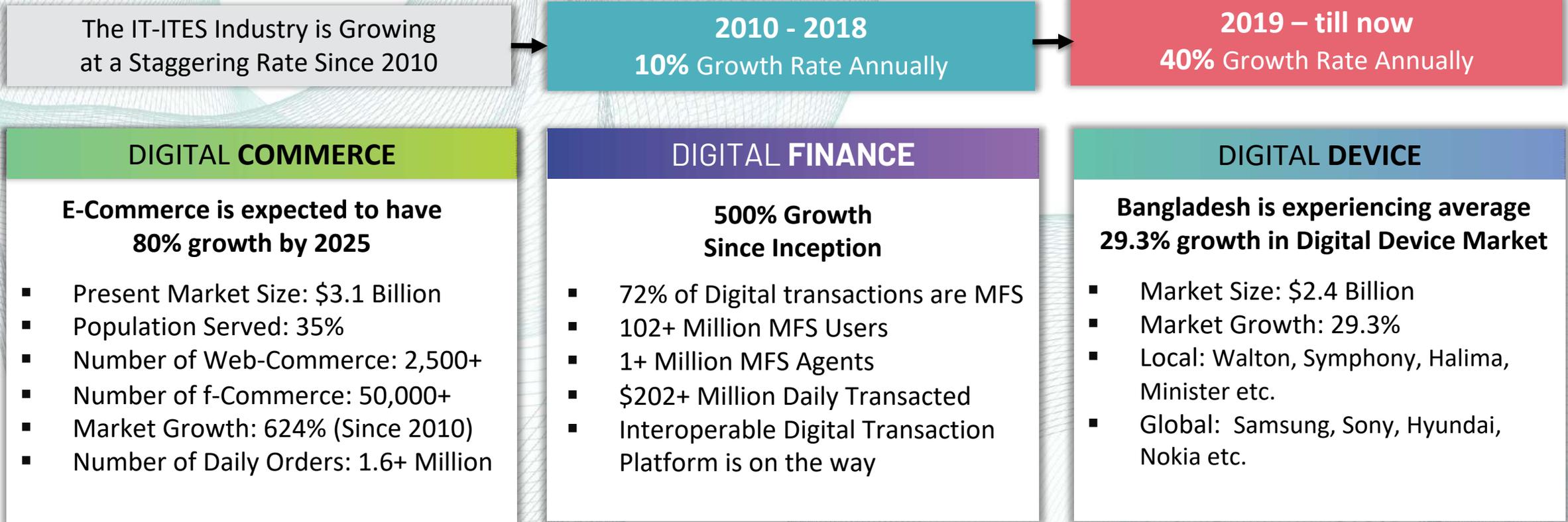**TIME 74% I VISIT 83% COST 67% ACCESSING SERVICES**

1,900+ E-SERVICES BY Government

Bangladesh in the **Digital Security Global Index**

Global Cyber Security Index (ITU)

In the Asia Pacific region — **11th**

1st — In South Asia

In the World — **53rd**

32nd — In the World

National Cyber Security Index (E-governance Academy)

64th
2016

53rd
2020

86th
Dec 2020

32nd
March 2022

Key Drivers of the Investment Readiness in the ICT Sector in Bangladesh

The IT-ITES Industry is Growing at a Staggering Rate Since 2010	→	**2010 - 2018** **10%** Growth Rate Annually	→	**2019 – till now** **40%** Growth Rate Annually

DIGITAL **COMMERCE**

E-Commerce is expected to have 80% growth by 2025

- Present Market Size: $3.1 Billion
- Population Served: 35%
- Number of Web-Commerce: 2,500+
- Number of f-Commerce: 50,000+
- Market Growth: 624% (Since 2010)
- Number of Daily Orders: 1.6+ Million

DIGITAL **FINANCE**

500% Growth Since Inception

- 72% of Digital transactions are MFS
- 102+ Million MFS Users
- 1+ Million MFS Agents
- $202+ Million Daily Transacted
- Interoperable Digital Transaction Platform is on the way

DIGITAL **DEVICE**

Bangladesh is experiencing average 29.3% growth in Digital Device Market

- Market Size: $2.4 Billion
- Market Growth: 29.3%
- Local: Walton, Symphony, Halima, Minister etc.
- Global: Samsung, Sony, Hyundai, Nokia etc.

Skill Development Initiatives Facilitating Knowledge and Innovation Economy

- Over **2M+** jobs were created in ICT through various initiatives of ICT Division in last 12 years.

- **1860** youths with neurodevelopment disabilities were trained in IT skills, among them at least **342** have been employed

Sheikh Hasina Institute of Frontier Technologies (SHIFT) **Academic and research opportunities**	Sheikh Kamal IT Incubators **In 64 districts of the country**	Sheikh Russel Digital Labs **35,000 in next 5 years**
Centre for 4IR **Research & Development Centers at Universities**	National Intelligence for Skills, Education, Employment and Entrepreneurship (NISE) **Technical skills training and employment**	Digital Leadership Academy **Digital and leadership skills training for public officials**
Advanced Labs **Advanced labs in IOT, AI, Robotics, AR/VR in 100+ universities**	BDSkills **Technical and soft skills training and assessment for the ICT Industry**	Schools of Future **300 Schools of Future**
	Muktopath **1.2 million students**	

Key Export Areas and Domain Expertise of Bangladeshi ICT Companies

Following Areas Constitute $1.4B Export Revenue:

$600M Software and services	**$400M** Freelancers
$300 M BPO	**$100M** Hardware, Network Services and Others

Domain Expertise

- Software Development
- Mobile Application Development
- Web Application
- Desktop publishing
- Game development
- Graphics designing

- AR/VR
- Artificial Intelligence
- Blockchain
- EduTech
- HealthTech
- Fintech

- Manufacturing
- Telecom
- BPO
- E-commerce
- Logistics
- Internet of Things

*** Source: BASIS*

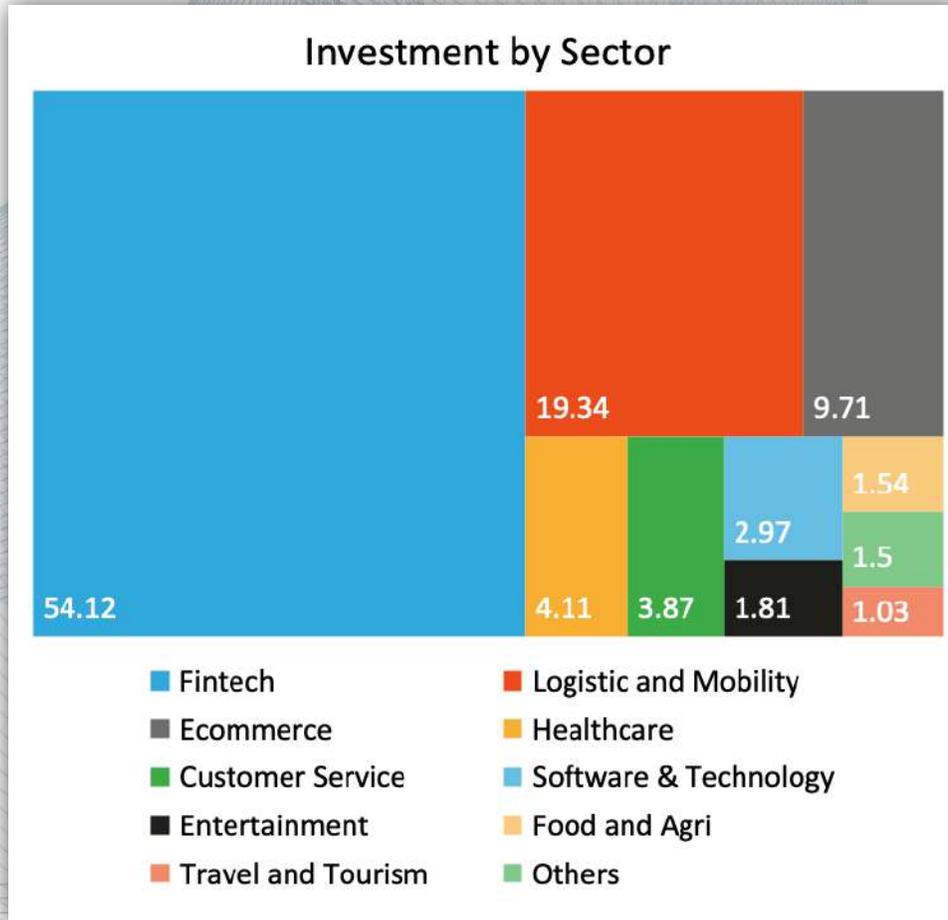# Thriving Startup Ecosystem Staying Ahead of Regional Peers

400+
Funded Companies

$883mn+
Total Funding

$773mn+
Global Funding
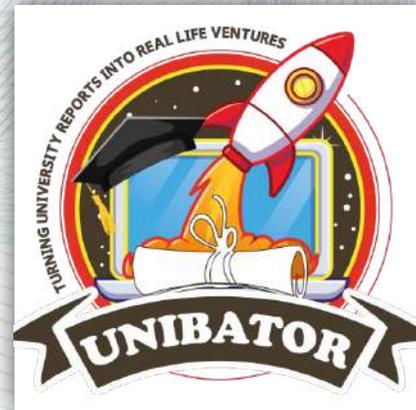
$34mn+
Local Funding

$83mn+
AIF Registered

$100mn+
Govt. Investment

Investment by Sector

Value	Sector
54.12	Fintech
19.34	Logistic and Mobility
9.71	Ecommerce
4.11	Healthcare
3.87	Customer Service
2.97	Software & Technology
1.81	Entertainment
1.54	Food and Agri
1.5	Others
1.03	Travel and Tourism

Legend:
- Fintech
- Logistic and Mobility
- Ecommerce
- Healthcare
- Customer Service
- Software & Technology
- Entertainment
- Food and Agri
- Travel and Tourism
- Others

- **251 deals** was disclosed over the time
- **2500+ startups** are currently active in the ecosystem
- **200 more startups** are joining **every year** in the industry
- There are **200+ investors** who are actively working towards the development of the startup ecosystem
- **42+ Accelerators and Incubators** are active in the country
- **1.5mn+ employment** was created by the startup ecosystem

Government Initiatives & Startup Funding Scenario

Homegrown Startups have raised USD 883Mn+* of foreign investment over the last decade

STARTUP BANGLADESH LIMITED™

idea — Innovation Design and Entrepreneurship Academy

DEiED — Digital Entrepreneurship And Innovation Ecosystem Development Project

STARTUP IDEA PITCHING — Accelerating Growth Through Entrepreneurship

UNIBATOR — TURNING UNIVERSITY REPORTS INTO REAL LIFE VENTURES

bKash **U$ 330Mn+** Bkash fintech from SoftBank Vision Fund II, Money in Motion, BRAC Bank, Gates Foundation & Ant Financial	**SHOP UP** **U$ 103Mn+** Shop Up Fintech and B2B Commerce from VEON, Valar Ventures, Sequoia Capital India, Omidyar Network	**pathao** **U$ 36Mn+** Pathao logistics from GO-JEK, Osiris Group Openspace Ventures, and Battery Road Digital Holdings
Chaldal **U$ 29.5Mn+** Chaldal ecommerce from IFC, IDLC, Mir Group, Y Combinator, Startup Bangladesh, Razor Capital	**শিওরক্যাশ** **U$ 26Mn+** SureCash fintech from Osiris Group	**shohoz** Ride | Food | Ticket | Truck **U$ 19.6Mn+** Shohoz logistics from Linear Venture, Golden Gate Venture
PAPERFLY **U$ 12.8Mn** Paperfly Logistics from Ecom Express	**PRAAVA HEALTH** healthcare - anytime, anywhere **U$ 10.6Mn** Praava Health HealthTech from SBK Tech Ventures and Angels	**solshare** **U$ 4.9Mn** SOLshare cleantech from IIX Growth Fund

FDI in Startup Ecosystem

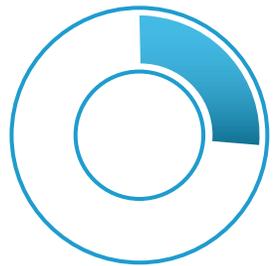**>200** investment deals in **105+** startups over the last 5 years! **International Investors are here !**

Bangladesh Ranks 2ⁿᵈ in Providing Tech-based Outsourcing Services Globally

31.2 million
Total employment through local enterprise

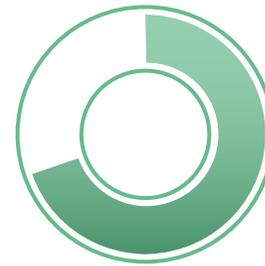## 2 million
Total employment generated from 2500+ start-ups

$650 million

650,000 freelancers

20.25% of GDP

7.2 million enterprises

$435 million

115 Start-ups (2021)

$2.8

Per-Capita Investment in Start-up

Nationwide Hi-Tech Infrastructures to Foster Industrial Growth

" Government will Establish Hi-tech Parks in Every District " - **Sheikh Hasina,** Hon'ble Prime Minister of Bangladesh

109
92 Government &
17 Private Hi-Tech Parks (HTP), Software Technology Parks (STP) and Incubation Centers are to be established

28
11 Government &
17 Private Hi-Tech Parks (HTP), Software Technology Parks (STP) and Incubation Centers are operational

64
Sheikh Kamal IT Training & Incubation Centers are to be established by 2030

7
Establishments of Sheikh Kamal IT Training & Incubation Centers will be ready by 2023

Operational Hi-Tech Facilities Nationwide

Sheikh Hasina Software Technology Park, Jashore
(1500+ Employments)

Heroic Freedom Fighter Lieutenant Sheikh Jamal
Software Technology Park, Chottogram
(1200+ Employments)

Vision 2021 Tower Software Technology Park,
Dhaka (1100+ Employments)

Oryx Bio-tech (Country's First Bio-Tech Company)

Solaris Building, Kaliakoir
(1000+ Employment)

Recently Inaugurated Joy Silicon Tower in Bangabandhu Sheikh Mujib Hi-Tech Park, Rajshahi

Sheikh Kamal IT Training and Incubation Center in Barishal

Industry Academia Partnerships to Build Innovation Ecosystem

Sheikh Kamal IT Business Incubator, CUET

Sheikh Kamal IT Incubator
and Training Center, KUET

Sheikh Kamal IT Incubator and
Training Center, Rajshahi

Sheikh Hasina Institute of Frontier Technology (SHIFT)

The work of establishing a specialized institute named "Sheikh Hasina Institute of Frontier Technology" at Shibchar, Madaripur has started with the aim of creating a world-class environment for research and development and skilled human resources for the future.

We Developed a "Made in Bangladesh" Ecosystem

If you want to go fast and far, innovate together.

The Dreamer of Digital Bangladesh and the Architect of Modern Bangladesh, **Hon'ble Prime Minister Sheikh Hasina, MP**
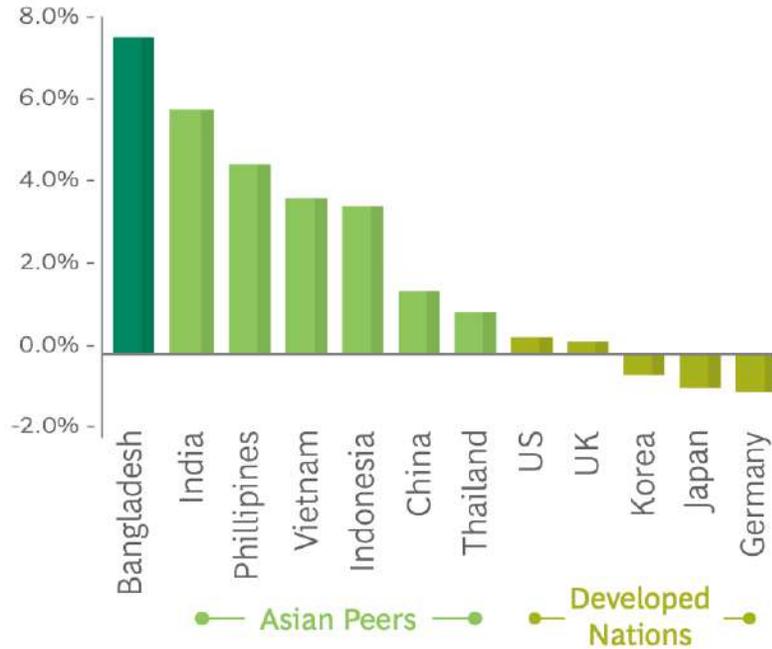
Smart Bangladesh Vision 2041: Economic Goals

	2021	2031	2041
Per Capita Income (USD)	2,824	5,000	12,500
Economic position in the world	40th	29th	23rd
ICT sector in GDP	0.76%	5%	20%
Important technologies	Advanced	Emerging	Future

Bangladesh is set to Become 9th Largest Consumer Market Globally by 2030
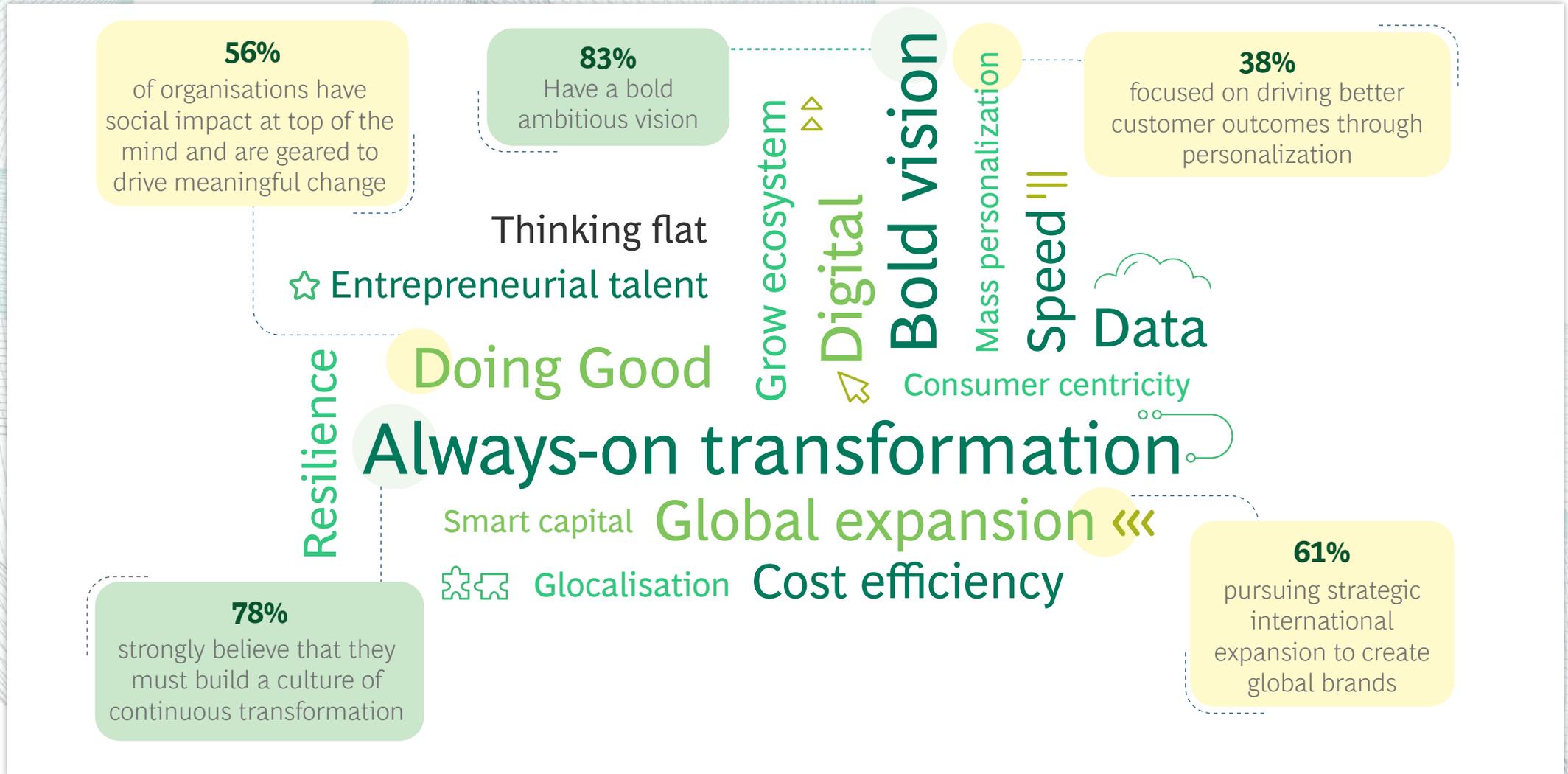
Fastest-growing consumer market

Asian Peers — Developed Nations

Growth led by surging middle- and affluent-class

	Bangladesh	Vietnam	Thailand	Philippines	Indonesia	India
2020	19M	30M	37M	42M	139M	283M
2025	34M	40M	39M	55M	181M	363M
2020-25 CAGR	12.3%	5.5%	1.3%	5.7%	5.4%	5.1%
2020 MAC (% Pop.)	12%	32%	54%	40%	52%	20%

*** Source: Bangladesh: The Trillion Dollar Prize by BCG*

Unique Themes of Private Sector Champions Emerging in Bangladesh

56% of organisations have social impact at top of the mind and are geared to drive meaningful change

83% Have a bold ambitious vision

38% focused on driving better customer outcomes through personalization

Thinking flat

Entrepreneurial talent

Grow ecosystem

Digital

Bold vision

Mass personalization

Speed

Data

Doing Good

Consumer centricity

Resilience

Always-on transformation

Smart capital

Global expansion

Glocalisation

Cost efficiency

78% strongly believe that they must build a culture of continuous transformation

61% pursuing strategic international expansion to create global brands

*** Source: Bangladesh: The Trillion Dollar Prize by BCG*

Smart Bangladesh will be Implemented through the **"Task Force"**

Under the Supervision of **Hon'ble Prime Minister Sheikh Hasina &** Guidance of the **Hon'ble Adviser to the Hon'ble Prime Minister Sajeeb Wazed** a "Task Force" have been created to implement

Smart Bangladesh

Towards becoming a

Developed Nation by 2041

Smart Bangladesh 2041 Vision will Straddle 4 Key Pillars of Change

Smart Citizen

100% digital access, innovation, empathy and collaboration at core

Smart Society

Fully inclusive society thriving in a sustainable environment

Smart Economy

- High ease of doing business
- $50Bn ICT industry
- Circular economy

ICT powered Digital platforms, infrastructure, policies and skilled talent

DIGITAL PLATFORMS, INFRA, POLICIES & TALENT

Smart Government

- Top 20 digitally innovating country
- 100% paperless govt. with personalized services

4 Change Pillars of the Smart Bangladesh Vision 2041

Smart Citizens

- Invisible government services through universal digital ID
- Bionic citizens co-existing with AI powered frontier technology platforms

Smart Government

- Completely paperless administration
- Invisible government services through universal digital ID
- >95% citizen satisfaction with services

Smart Society

- 100% cashless economy
- Equal participation across diverse groups in economic and government activities
- Tightly knit communities enabling a knowledge-sharing centric society
- 100% tolerant, collaborative, and empathetic digital culture

Smart Economy

- A primarily circular economy
- $50Bn ICT economy
- 25+ Unicorn start-ups
- Bangladesh as hub of industry specific technology export

40+ Transformation Initiatives Across 4 Change Pillars to Achieve Smart Bangladesh

Smart Citizen

Universal Digital ID

Citizen Upskilling
- Digital curriculum
- Digital skilling at all levels of the society
- Smart device access

Digital Collaboration Platform

Smart Bangla Campaign
Nation-wide campaign to promote digital-first mindset

Smart Government

Smart Healthcare

Blended Learning

Smart Land Management

Smart Postal Service

Smart Agriculture

Smart Judiciary

Smart Borders

Smart Transportation

Smart Tax

ICT Policies
Data privacy and cyber security, emerging technologies and other policies

National Procurement e-Marketplace

Digital Job Platform

Smart Social Safety Net

Smart Public Services & Paperless Administration

Police Modernization

Digital Leadership Academy
Digital upskilling at all levels of the Govt. & unlocking digital transformation capabilities in private sector C-suites

Smart Society

Inclusive Financial Ecosystem
Interoperable Payments and Fintech Accelerator

Green Sustainable Bangla
- Smart Cities
- Smart Grid
- Digital Climate Resilience

Digital Tolerance & Culture Movement

Embedding digital hygiene among all citizens in all aspects of daily life

Bangla Stack

Smart Economy

4IR industry accelerators
- Readymade garments & Textiles
- Light engineering
- Pharma
- Logistics

ICT industry acceleration
- FDI attraction (Smart ICT IPA)
- Exports scale up
- Domestic ICT spend boost
- Emerging technologies CoE (AI/ML, Cybersecurity, Robotics etc.)

Startup Bangladesh
Start-up funding / incubation support; VC / PE participation

Smart Commerce

Tech and Infrastructure Backbone
- Universal Internet Access
- Government Cloud and Data Center

Find your own niches
Find new Technologies
Find your own Innovations
Do not Imitate, Innovate!

Sajeed Wazed
Architect of Digital Bangladesh and SMART Bangladesh
and Hon'ble Adviser to the Hon'ble Prime Minister
on Information and Communication Technology

THANK YOU