

# DISRUPTION CHANGES, CRISIS AND MEGATRENDS

**A Global Perspective** 





# Objectives of the session

The session will address disruptions, changes, crisis and megatrends in from a Global perspective using three separate lenses.

- (a) Technology driven disruption
- (b) Economic, social, political and physical Global Megatrends
- (c) Challenges from a global risk horizon perspective

- Technology driven disruption
  Society and Business
  Transformation
- Megatrends -Economic, social, political and physical and Global
- Global risks and Societal Challenges.

(d) Discussion sessions



### Today's Session

1 Introduction to the Session

- 5 Conversations
- 2 Technology driven disruptions
- 6 Questions and possible answers

- 3 Global megatrends
- 4 Global Risks and Challenges



## Technology Disruptions

### Technology Disruptions TH

"Breakdowns create breakthroughs.

Breakthroughs create more breakthroughs.

More breakthroughs create friction
because idiots be jealous or don't get it or
protect their little corner and act out of
spite.

So you breakdown for another breakthrough.

If you're about to break, go for broke.

If you're not breaking, you're not really living."

RICHIE NORTON

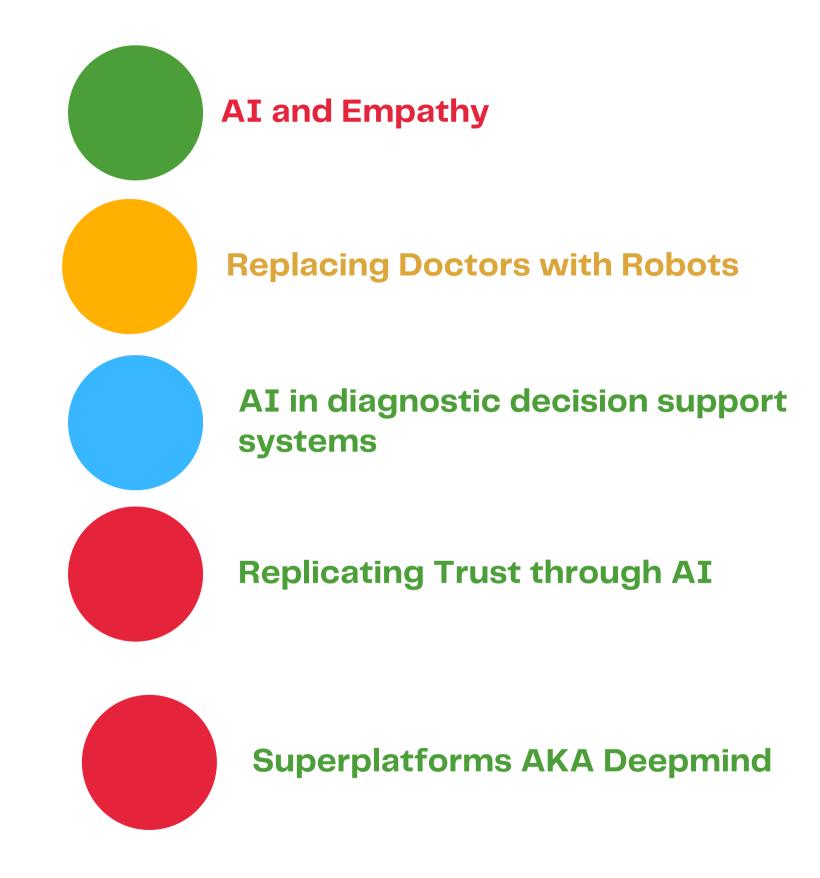
- Artificial Intelligence
- Advances in omics' technologies
- mobile health application
- telemedicine

- Superplatforms
- Disruptive
  Innovations
  basic science,
  diagnostics,
  digital health,
  education,
  processes and
  techniques
- health informatics

### Artificial Intelligence

"The greatest opportunity offered by AI is not reducing errors or workloads, or even curing cancer: it is the opportunity to restore the precious and time-honored connection and trust—the human touch—between patients and doctors. Not only would we have more time to come together, enabling far deeper communication and compassion, but also we would be able to revamp how we select and train doctors.".

ERIC TOPOL, DEEP MEDICINE: HOW ARTIFICIAL INTELLIGENCE CAN
MAKE HEALTHCARE HUMAN AGAIN



### Super Platforms

'super-platform'> an online-to-offline (O2O)
type of digital infrastructure, which spans
across multiple sectors of economic activity
providing a way for users (both businesses and
consumers) to operate with multiple resources,
products and services within a uniform,
standardized, and highly interconnected way
(Buvalio, 2018)







## Technology Disruptions

The Bio
Revolution

Industrial IoT and speed of manufacturing

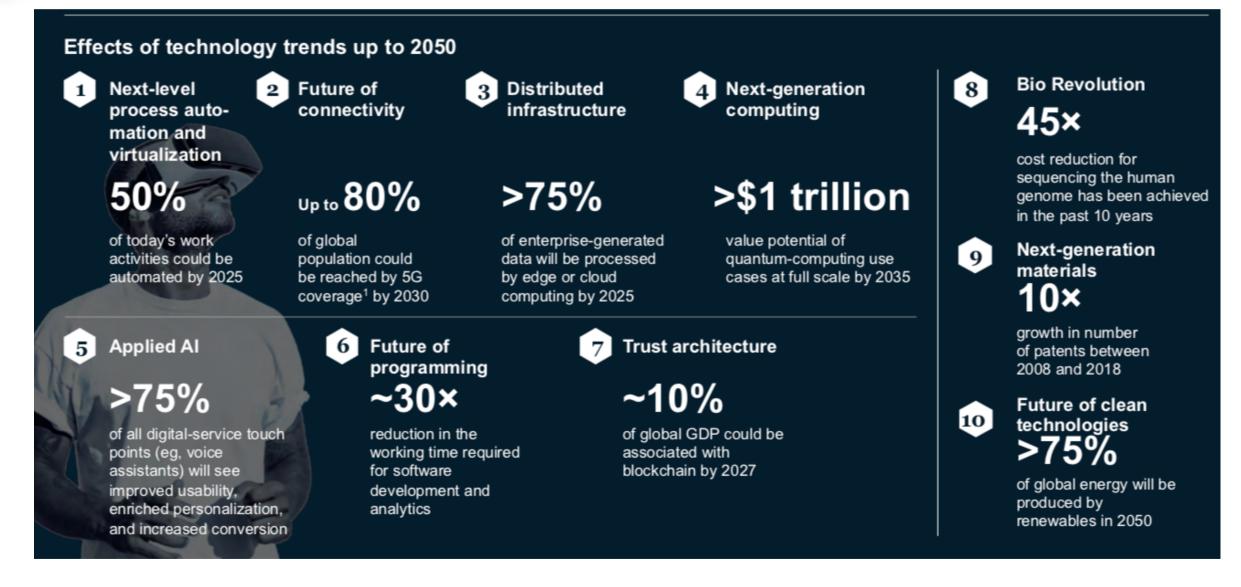
Future of clean technologies

Next-generation materials

"In the next 10 years, we'll reinvent every industry"

"In the next decade, we will experience more progress than in the past 100 years.

PETER DIAMANDIS



source:McKinsey & Company



### Megatrends

### Megatrends

"The modernization of Asia will forever reshape the world as we move toward the next millennium."

JOHN NAISBITT

Rapid urbanisation

- Climate change and resource scarcity
- Shift in global economic power
- Demographic and social change
- Technological breakthroughs

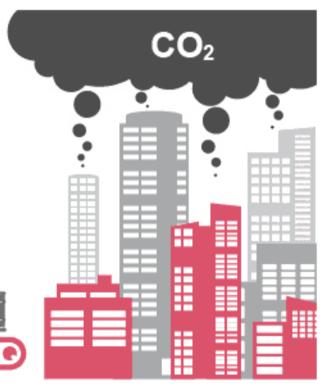
source:pwc

### Rapid Urbanisation

Cities consume 75% of the world's natural resources and account for 80% of global greenhouse gas emissions



Source: United Nations, 2015





A staggering 90% of this urban population growth will take place in African and Asian countries with rapid urbanisation placing huge demands on infrastructure, services, job creation, climate and environment

85% of global GDP was generated in cities

**Urbanisation 'dividend' in Developing countries** 



Uncontrolled rapid urbanisation and pressures on society and infrastructure

source:pwc

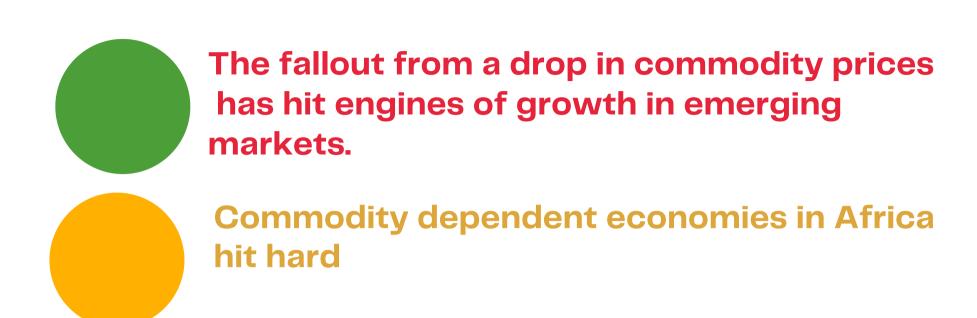
# Shift in global economic power

Emerging markets will dominate the world's top 10 economies in 2050 (GDP at PPPs)

	2016	2050	
China	1	1	China
US	2	2	India
India	3	3	US
Japan	4	4	Indonesia
Germany	5	5	Brazil
Russia	6	6	Russia
Brazil	7	7	Мехісо
Indonesia	8	8	Japan
UK	9	9	Germany
France	10	10	UK

E7 economies G7 economies

Sources: IMF for 2016 estimates, PwC analysis for projections to 2050







source:pwc



# Global Risk & Challenges

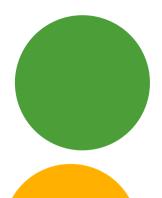
### Global Risks

Businesses that reflect societal values can strengthen societal trust and reduce inequality

- Health fallout from the pandemic & uneven recovery
- Worsening Underlying disparities in gender, race, age and income inequalities
- Lack of access to quality and affordable healthcare, education or digital tools is rising
- Private and public debt has been accumulating since 2019.
- Societal fragmentation, social cohesion erosion" and "livelihood crises

# Societal fragmentation

"Pandemials" are at risk of becoming the double lost generation of the 21st century"

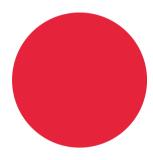


Youths-A scarred generation .School closures aggravated youth inequalities between and within societies

**Employment turmoil** 



Fear, anger and backlash



Subversive influences, Misinformation, cyberattacks, targeted strikes and resource grabs



**Growing nationalism** 

source:WEF



### Let's talk!

**Discussions and Scenarios** 





#### Let's talk!

**Discussions and Scenarios** 

You have been called into help with colleagues in A&E who are struggling to understand why large numbers of patients have turned up with strange symptoms.

A group is says they heard a low hum and intense pressure in their skulls; another felt a pulse of pain.

Yet another group have complained of dizziness and fatigue for months

The intrigue continues when the clinical director is visted by MI6 and asked to isolate all the patients.

WHATS HAPPENNING!

### Conclusion

Growing societal fragmentation manifested through persistent and emerging risks to human health, rising unemployment, widening digital divides, and youth disillusionment—can have severe consequences in an era of compounded economic, environmental, geopolitical and technological risks

#### **Tech.Disruption**

Technology will disrupt everything beyond imagination.

#### Megatrends

An interconnected world will force structural changes in the way we live and work.

#### **Global Risks**

Societal dynamics has changed due to the damages caused by both economic stagnation in regions and the impact of the pandemic.







for additional readings on this presentation



