

Sustainability at Mahindra: Thought & Action

Mr. Anirban Ghosh

23rd August, 2017



Life will be different

We will be healthy longer



2017: World's 1st full-body Transplant

*Italian neurosurgeon
Sergio Canavero, says
"My goal is life
extension"*

We will live in strange places



*French Polynesia,
Seasteading Institute
and Peter Thiel plan
World's first 'floating
city' in the Pacific
Ocean by 2020*

We will grow some of our food



Vegetable garden in a balcony of a 1 bedroom apartment in the Grow Your Food contest by Dubai Municipality.

We will fly



*Autonomous Aerial
Vehicle 200+ successful
flight tests*

*Launched at Computer
Electronic Show in 2016*

Called EHANG 184

Or at least be electrified



*British government
getting ready to test
new road technology
to charge electric cars
as they drive.*

*£500 million
committed to the
project over the next 5
years.*

We will be in two places at one time



*Augmented
Reality: Father in
London plays
with daughter in
Kolkata*

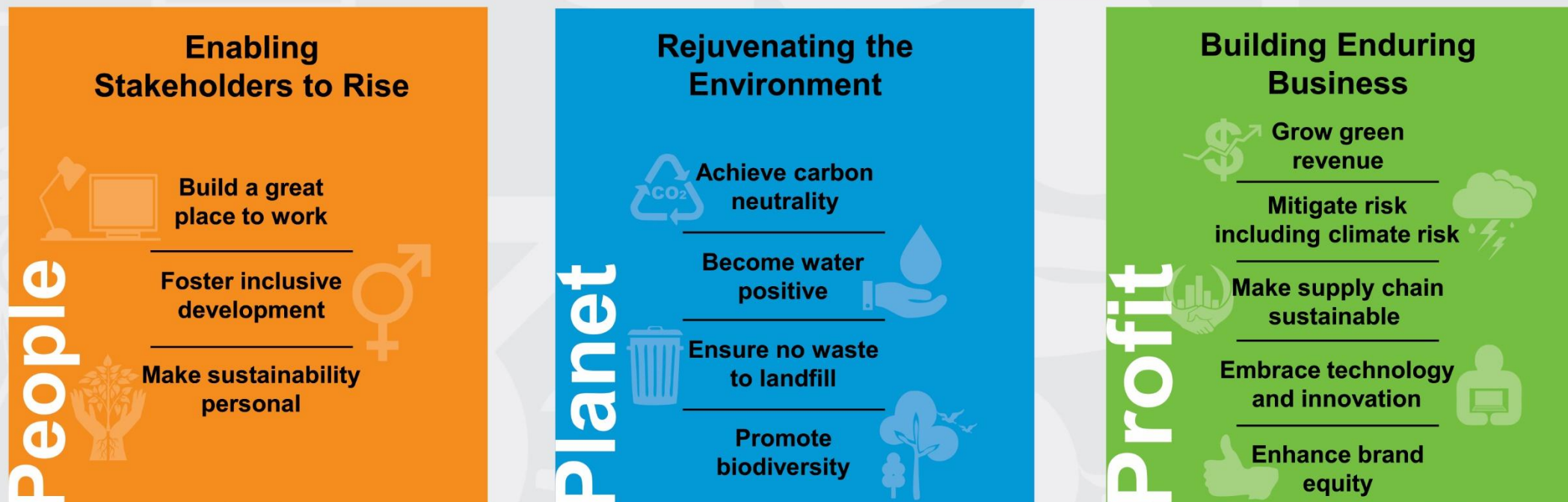
This is crazy

**And we have to prepare for it
now?**

Well, here's what's on at Mahindra

Mahindra Sustainability Framework

Building enduring businesses by rejuvenating
the environment and enabling stakeholders to Rise

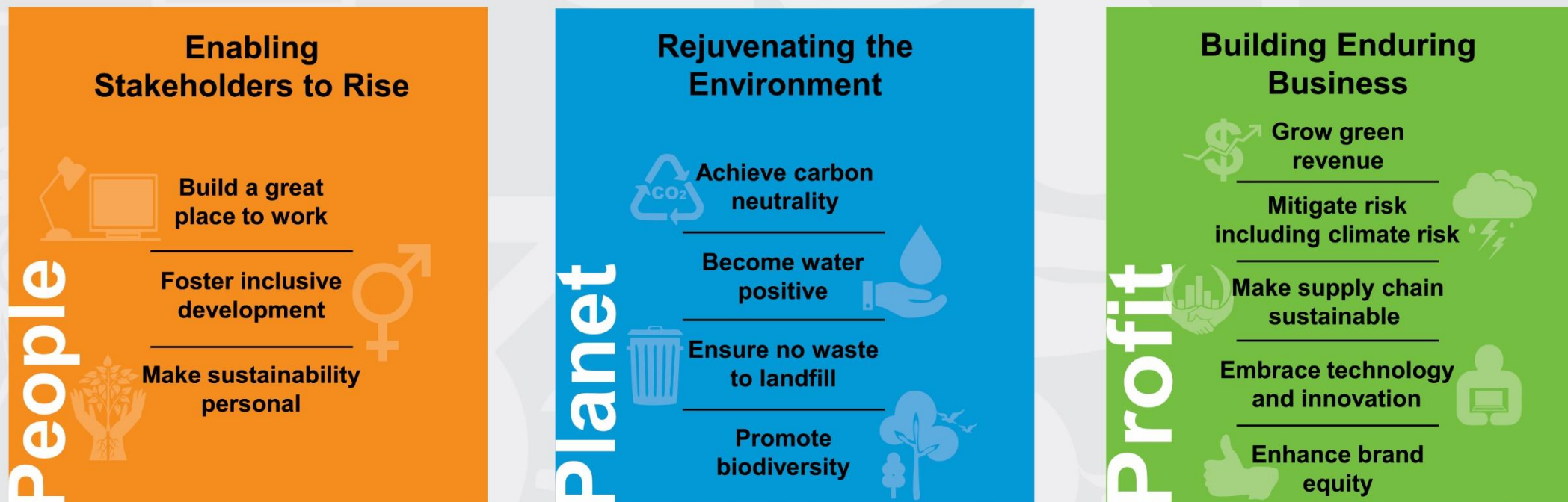


Partnering. Learning. Sharing.

Giving back more than we take.

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the environment and enabling stakeholders to Rise



Partnering. Learning. Sharing.

Giving back more than we take.

Enabling Stakeholders to Rise

Build a great place to work!



M&M Ltd., Mahindra
Finance, Mahindra
Lifespaces: Top companies
in Great Place to Work



“Women Leaders
Program” a strategic
component of our efforts
to create a diverse &
balanced workforce

Foster Inclusive Development



Lifeline Express
'Hospital on wheels'
Beneficiaries 1 Lakh+



3,00,000 underprivileged
girl children supported

Make Sustainability Personal



20,000 LED employed
adopted LED lights



Encouraging
employees to Cycle

Rejuvenating the Environment

Achieving Carbon Neutrality



BROUGHT TO YOU BY THE °CLIMATE GROUP

Auto, Farm
& Holidays
businesses

Committed
to go 100%
LED



6%
Achieved!

\$10 Carbon
Price



**CARBON PRICING
LEADERSHIP COALITION**

Become Water Positive



Integrated Watershed Management:
2.35X increase in income for 20,000;
12X of water consumption harnessed by
Mahindra



Saving 30-40% Water for Irrigation

Ensure no waste to landfill



CERTIFICATE OF VERIFICATION

This is to verify that:

Mahindra and Mahindra Ltd.

Main Site: AFS – Automotive Division, Igatpuri Plant, Mauze
Talegaon, Igatpuri- 422403, Dist. Nashik, Maharashtra, India

has been assessed and verified by Intertek as a

Zero Waste to Landfill Company

Zero Waste to Landfill diversion rate exceeding 99%* is applicable to the Manufacture of Diesel, Petrol, & CNG Engines and Engine Components for Utility and Light Commercial Vehicles.

* Includes approximately 6% waste to energy incineration

Verification Number:
ZWL-2017-02

Initial Verification Date:
18 January 2017

Verification Issue Date:
24 July 2017

Expiry Date:
17 January 2020




Calin Moldoveanu
President
Intertek Testing Services NA, Inc.
900 Chelmsford Street
Lowell, MA, 01851
USA

This certificate of verification has been prepared for the sole and exclusive use of Mahindra and Mahindra Ltd., in accordance with the terms of our engagement. Intertek does not assume any responsibility and liability to any other parties with respect to this certificate of verification. Intertek's conclusions are based upon information made available to Intertek, and Intertek cannot guarantee the accuracy or correctness of this information. Therefore, Intertek cannot be held liable by any party for decisions made, or not made, based upon review of this certificate. Validity may be confirmed via email at certificates@intertek.com. The certificate remains the property of Intertek, to which it must be returned upon request.



1st Zero Waste to
Landfill location in the
Country

Promote Biodiversity



Membership and
Advocacy



Reduction in Dust
levels by 75% &
Ambient temperature
by 2⁰ C

Building Enduring Business

Grow green revenue: \$ 400 million+

**Tech
Mahindra**



susten
By Mahindra



**Mahindra
Lifespaces**



GenZe



e20+



Mitigate risk including climate risk

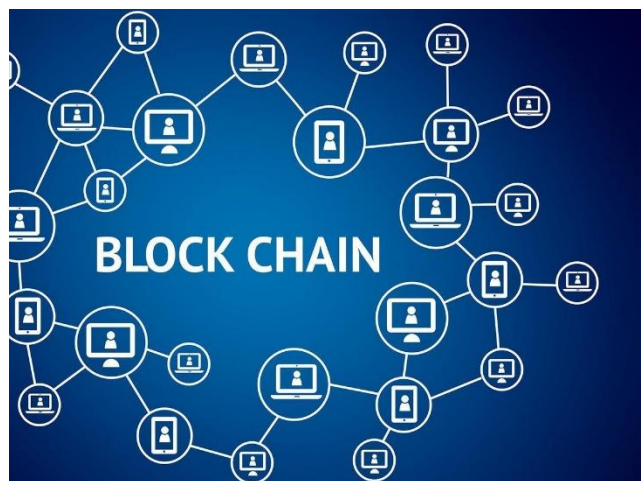
Business		Climate Change related Risks			
Auto Sector	Accelerated progress of EVs	Increased prices of fossil fuels	Change in Monsoon patterns	Weather related supply disruption	Accelerated progress in shared mobility
Farm / Agri. Sector	Change in Monsoon patterns	Restrictions on sand, stone quarrying	Change of fuel type (Petrol v/s diesel)	Production losses	Water, Labour Scarcity
IT Sector	Natural Calamities affecting Infrastructure	Climate driven risks in particular locations			
Finance Sector	Change in Monsoon patterns	Migration to cities	Increase in recovery costs due to hot weather	Crop production losses	Restrictions on mining
Real estate Sector	Environmental Regulations	Non-availability of sand / sand substitutes	Natural Calamities affecting Infrastructure	Regulation on C&D Waste	
Holidays	Sea level rise	Natural Calamities (earthquake, landslide, floods)	Rise in maintenance costs of properties	Increase in hot weather incidences	Water Scarcity

Make supply chain sustainable



EHS+ Centre in Pune
1555 SME's trained in total on Environment Sustainability

Embrace technology and innovation



Supply chain
Financing
with IBM

Driverless
Tractors



Single axis
tracker,
generation
up by 24%

Halo:
Electric
Sports Car



Enhance brand equity



Mahindra Blues 2017
was certified as a 'Green
Event' by the Yale
University

Rise
for Good