2040 Scenarios for Future of Mobility In South Africa

presented by



4IR Summit – Durban March 25, 2019

Why we Established MCA

Avoid a jobs bloodbath by retraining future workforce

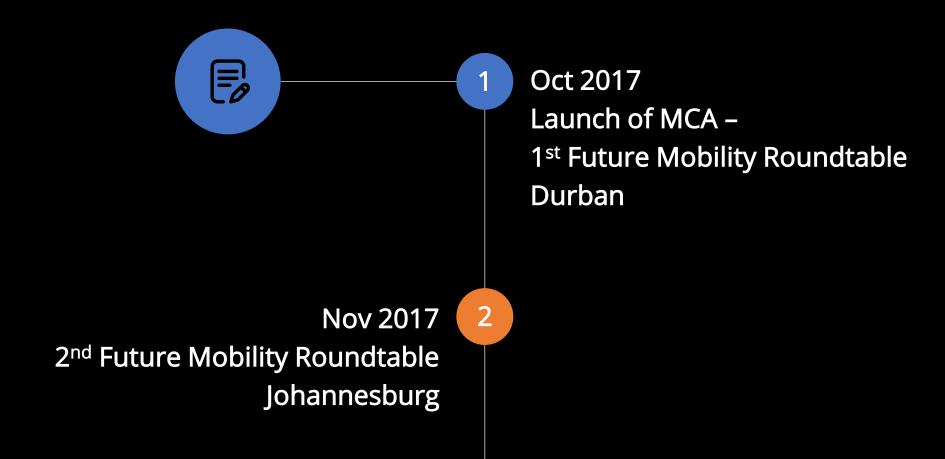
Localisation of technology innovations

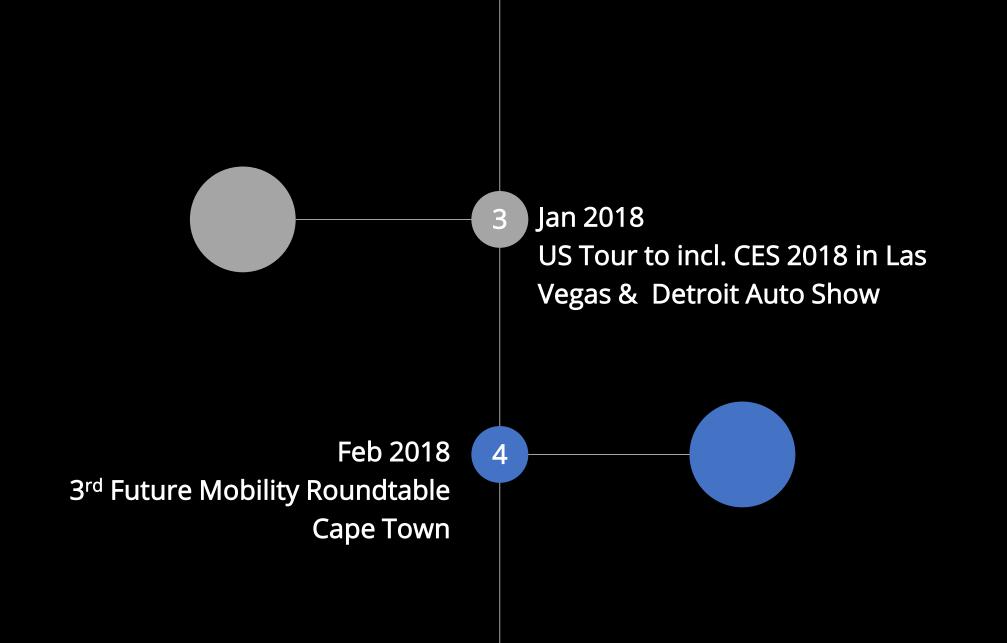


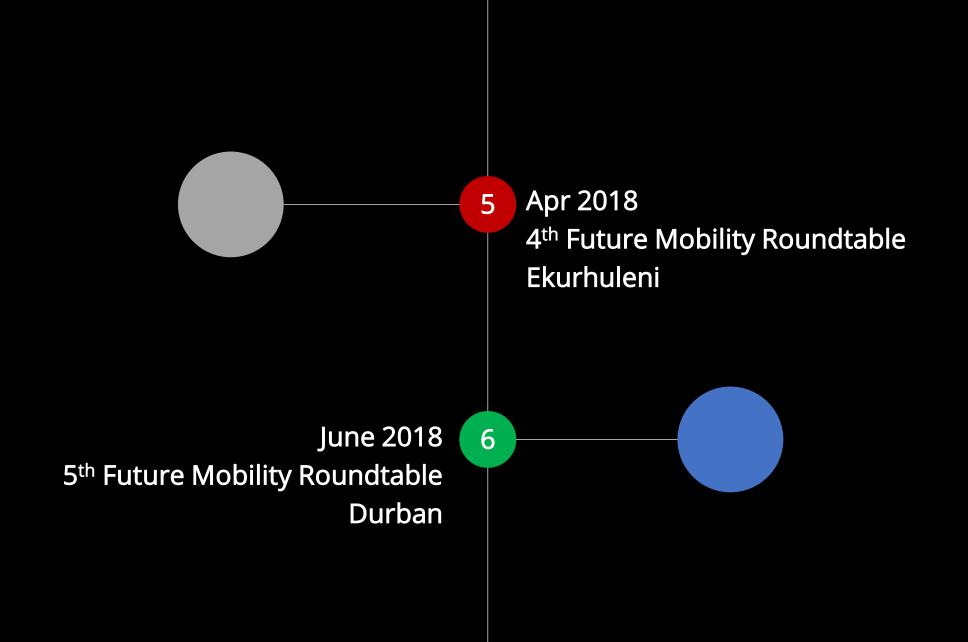
Need to proactively manage the disruptive forces

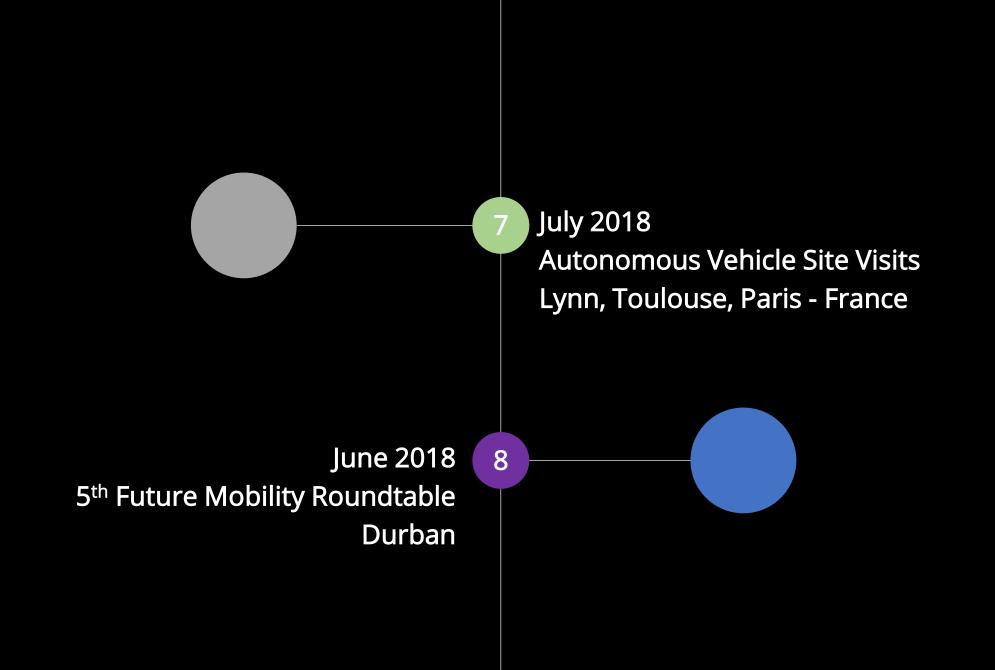
To maintain globally competitiveness in the auto industry

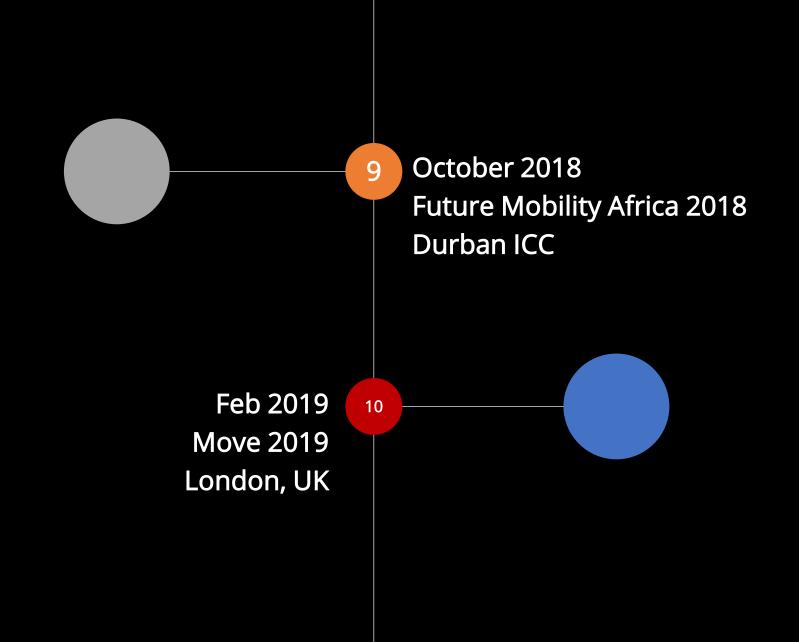
OUR TIMELINE

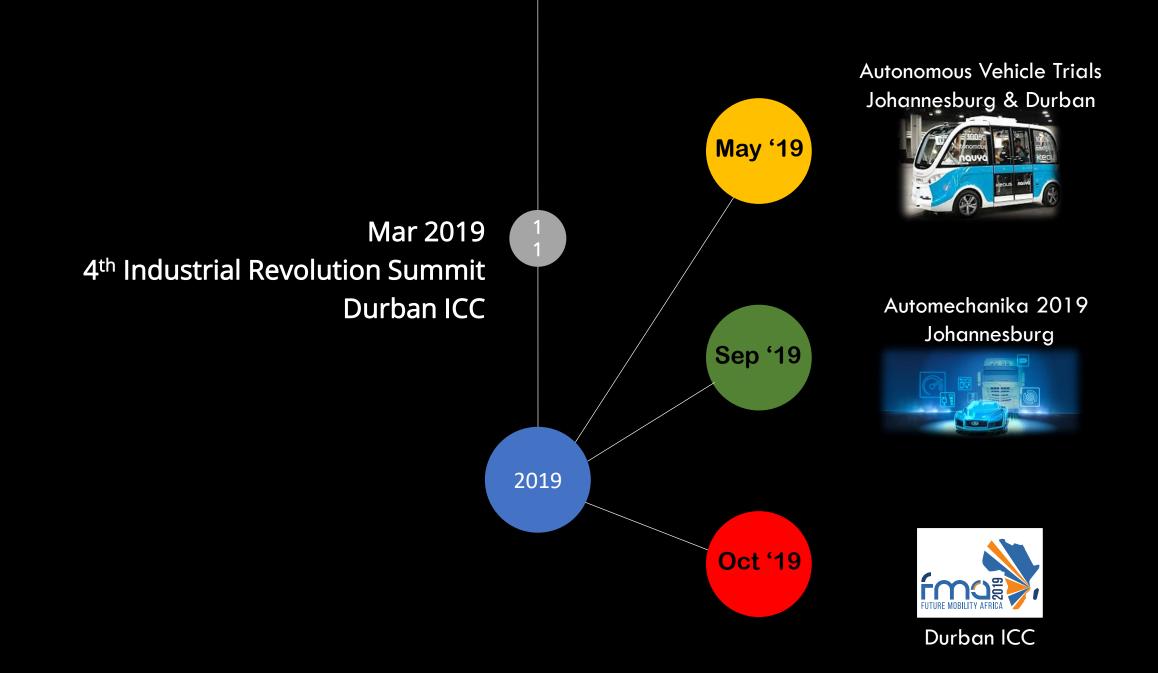










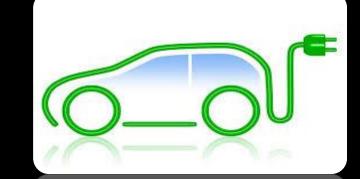




Implications & Opportunities for KZN

"The 3 Revolutions"







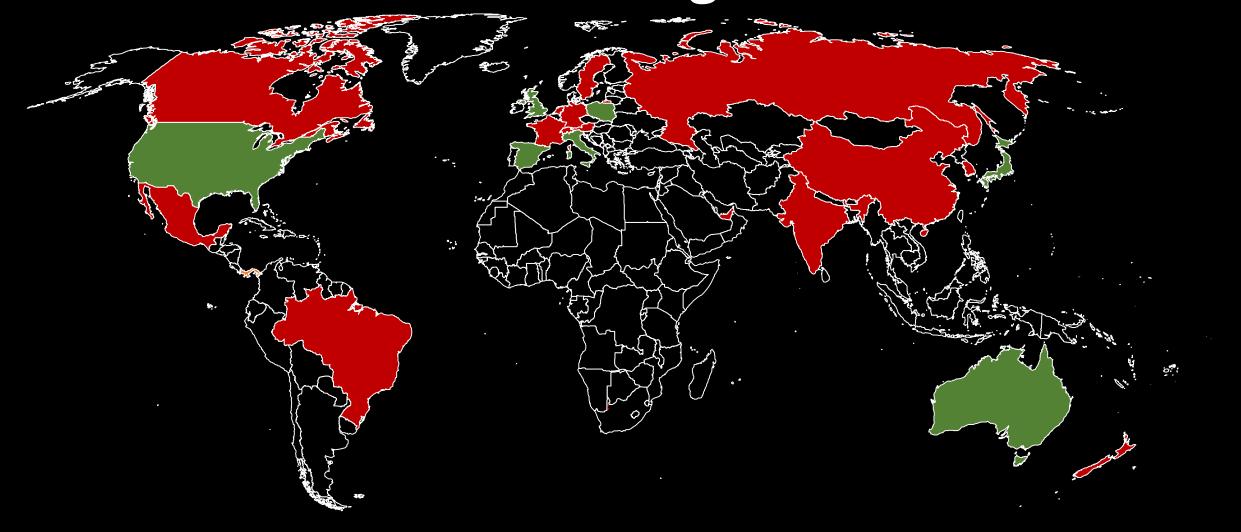
Connected & Autonomous

Shared

Green

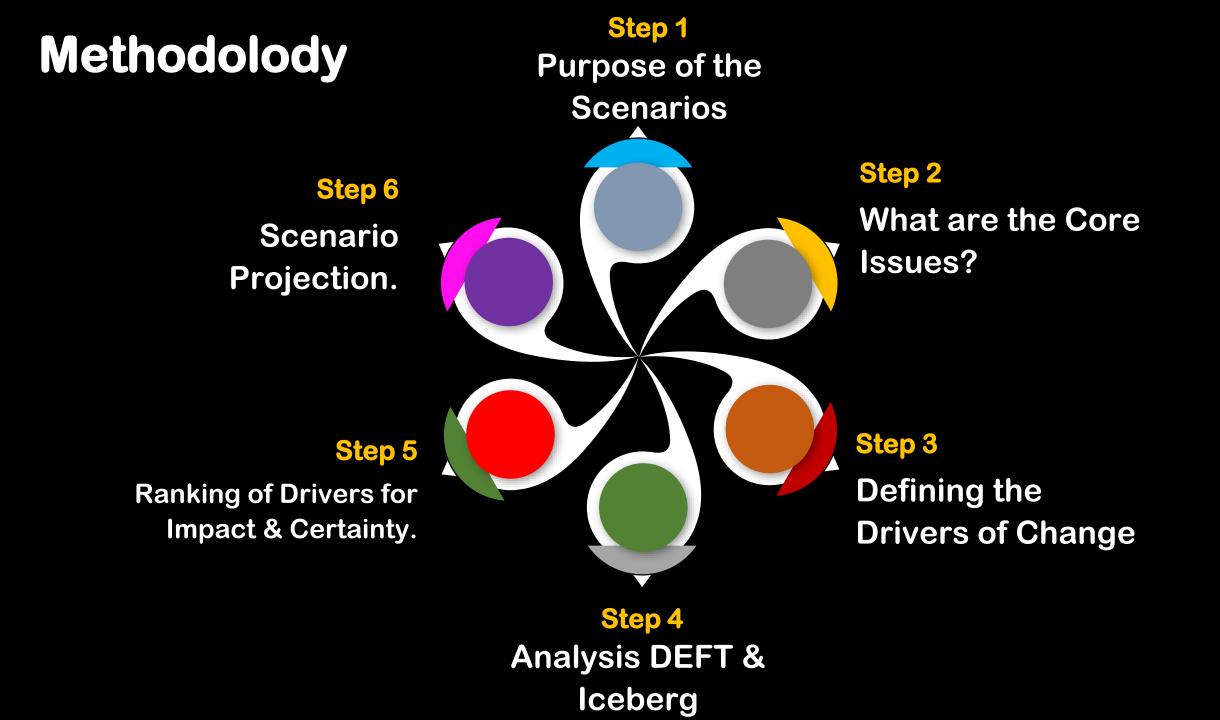
(Sperling, 2018)

Leading Countries Testing Autonomous Driving

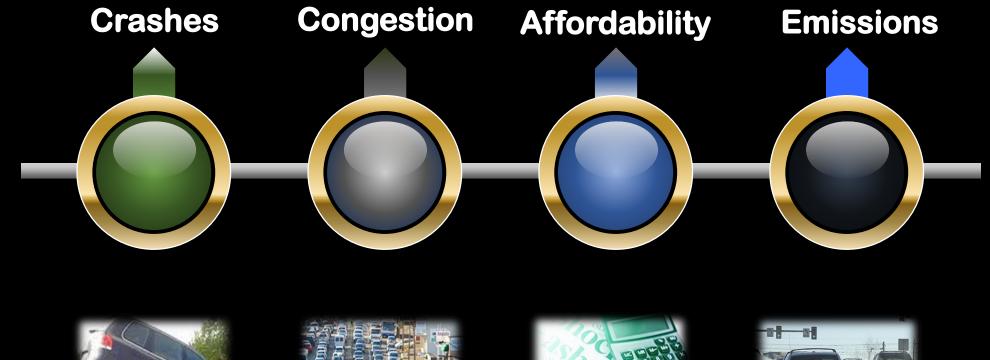




Implications & Opportunities for KZN



The Core Issues – Revisiting The Wicked 4











These wicked problems are mutating and evolving along with disruptive forces in mobility industries...



.... what are the real **DRIVERS** of CHANGE? The real DI\$rUPT6R\$

A Systems Thinking Approach

Events Evidence, Symptoms

Patterns/Trends Rules, practices, doctrine, TTPs

Structures Organizations, laws, authority, relationships

Mental Models Beliefs, traditions, assumptions, values









Goodman, 2002

Drivers of Change





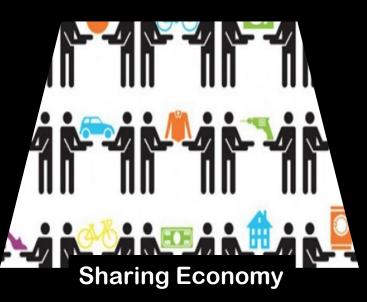


Urbanisation



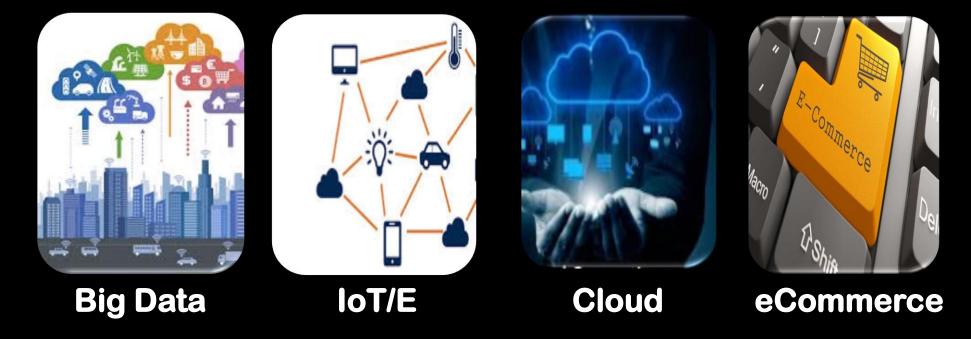


Climate Change



What are the key **Enablers, Friction** & Turners **Of these Change Drivers**?





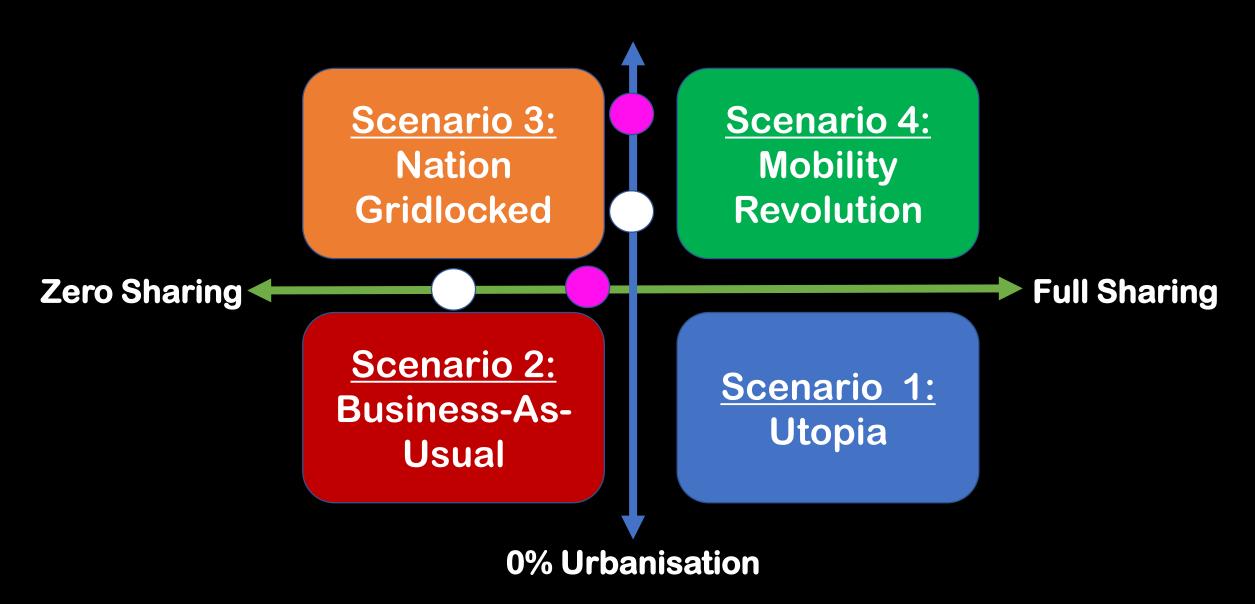
Friction and Turners		
Legislation	Late _aggards	Labour
Affordability	Internet	Resistance
Vested Monopo	Access	Violence & Intimidation
Interests Coalition of the Disrupted	No Start- Culture	Policy

Possible Mobility Future Scenarios

as predicted by



100% Urbanisation





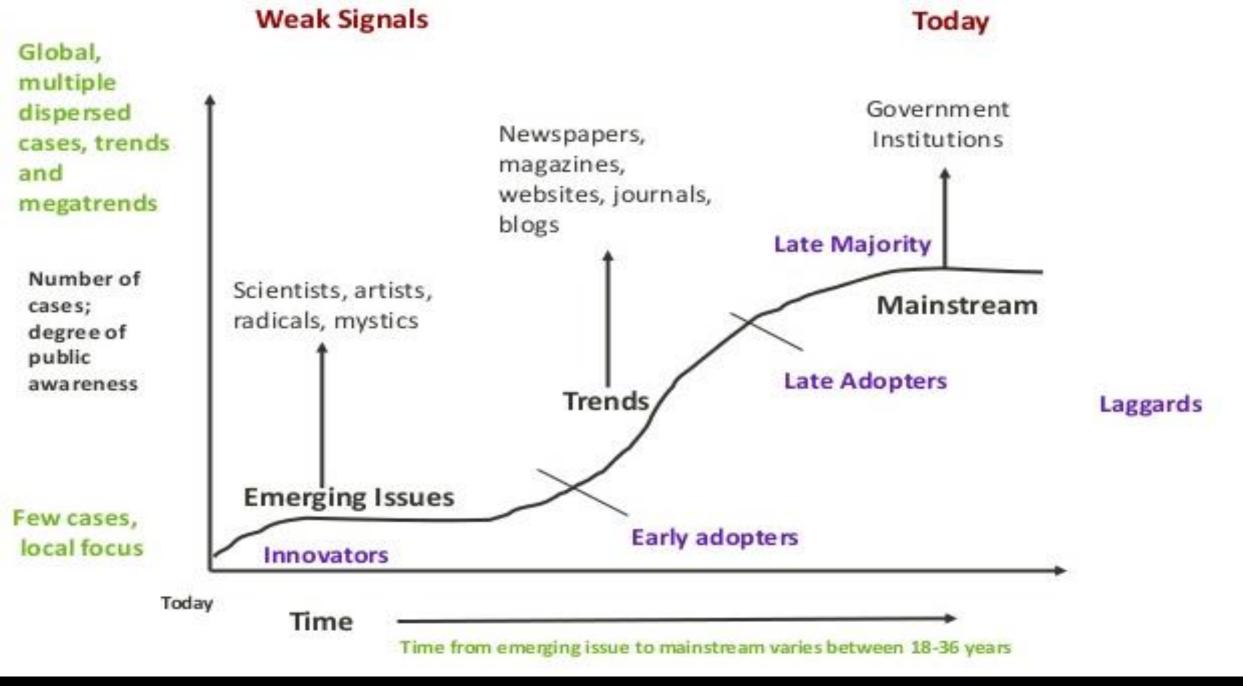
Implications & Opportunities for KZN



Is there something else we are overlooking?

What are the weak signals lurking in the horizon?

Are they passing fads or are they worth considering?

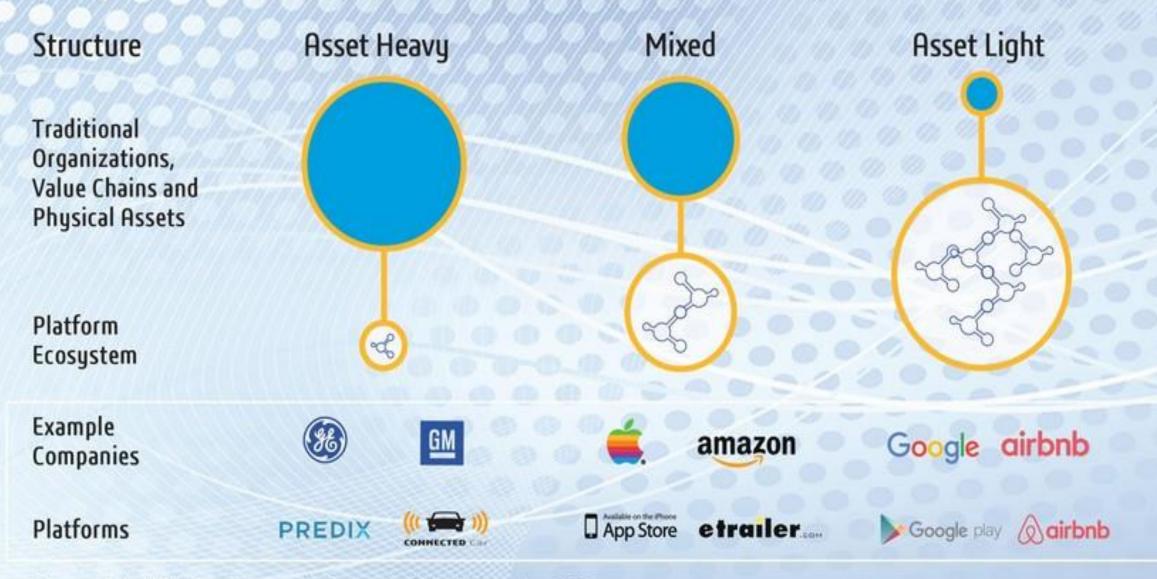


Source: Adapted from the work of Molitor and Schultz

Trends to Watch & Game Changers



TRADITIONAL VERSUS PLATFORM BUSINESSES



Source: Global Platform Survey, The Center for Global Enterprise, 2016

THE FUTURE OF TRANSPORTATION STACK

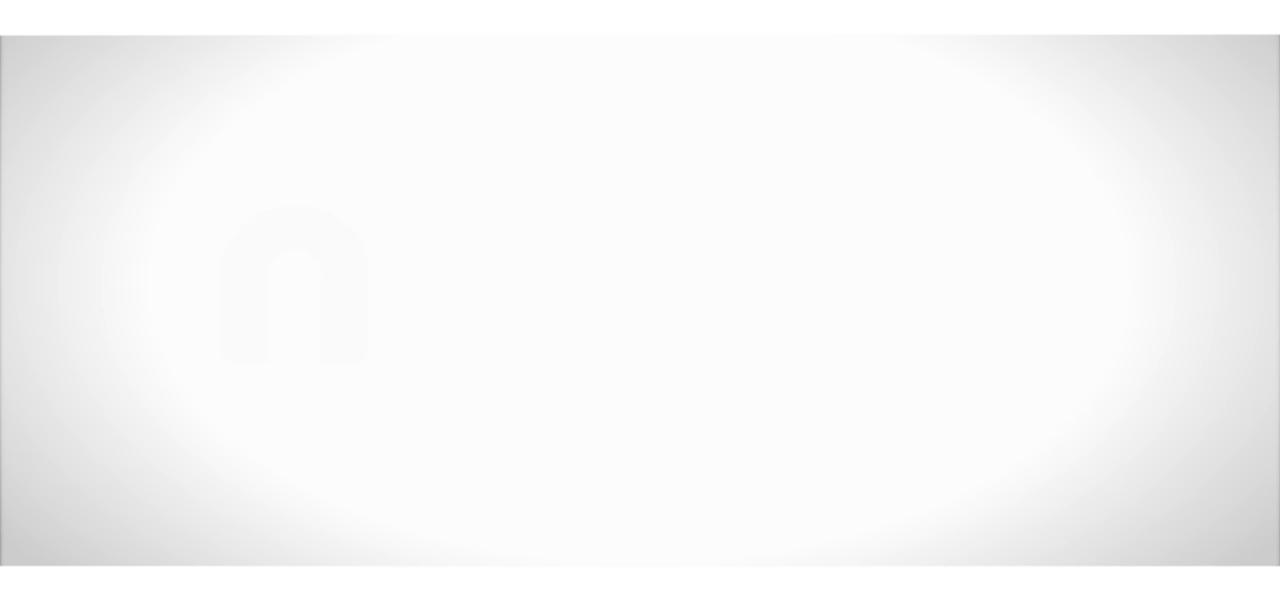
COMET LABS





Implications & Opportunities for KZN





The machines

are coming here....

Zimbiwe Yinsele

Thank you...

