

# Mobilizing Africa's Automotive Industry for the future

JICA Study for the promotion of African automotive  
industry: Post-COVID 19 supply chain & mobility reform

**Pre-TICAD-8 Seminar**

Co-hosted  
by AAAM



**AAAM**  
African Association of  
Automotive Manufacturers

**24th January 2022**



# Agenda

08:30 - 10:00 GMT  
09:30 - 11:00 WAT  
10:30 - 12:00 CAT / SAST  
11:30 - 13:00 EAT  
17:30 - 19:00 JST

## Opening remarks

10 min

- Ms. Keiko Sano – DG Economic Development Dept., JICA
- Mr. Dave Coffey – CEO, AAAM

## Presentation of key study findings

25 min

- JICA Study for the promotion of the African automotive industry

## Panel discussion

35 min

## Open Q&A

20 min

# Opening remarks



**Ms. Keiko Sano**

Director General, Economic  
Development Department



**Mr. Dave Coffey**

Chief Executive Officer



**Mr. Toru Homma**

Senior Advisor, Private  
Sector Development Group



Your MC today:

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# Study background

*JICA Study for the promotion of African automotive industry: Post-COVID 19 supply chain & mobility reform*

## Context

The African automotive industry is at a major inflection point:

- Nascent demand for vehicles in Africa
- Potential social & economic impact if manufacturers & service providers locate operations in the region
- Growing policy focus seen across Africa aimed at effectively promoting a viable auto industry
- Dramatic regional & global trends impacting the automotive industry:
  - Innovation trends of CASE/MaaS<sup>1</sup>
  - Influence of COVID-19
  - Rise of carbon neutrality regulations globally
  - Regional opportunities arising from AfCFTA<sup>2</sup>

As a result, there is an increasing need for coordinated & informed approaches to promote Africa's auto industry

## Objective

Establish a vision & recommendation on how stakeholders can support African auto industry in an integrated & effective way

- Pan-African vision and recommendations
- Five country deep-dives:
  - Ethiopia, Ghana, Kenya, Nigeria and South Africa

Commenced in May 2021 and consulted more than 120 stakeholders from the public and private sectors in the target countries, region and global HQs

Proposals will be finalized and shared in a Final Report ahead of discussion at the Japan-Africa forum, known as TICAD8<sup>3</sup>, later in 2022 in Tunisia

1. Connected, Autonomous, Shared and Electric (CASE) and Mobility as a Service (MaaS) 2. African Continental Free Trade Area (AfCFTA) 3. 8<sup>th</sup> Tokyo International Conference of African Development (TICAD8)



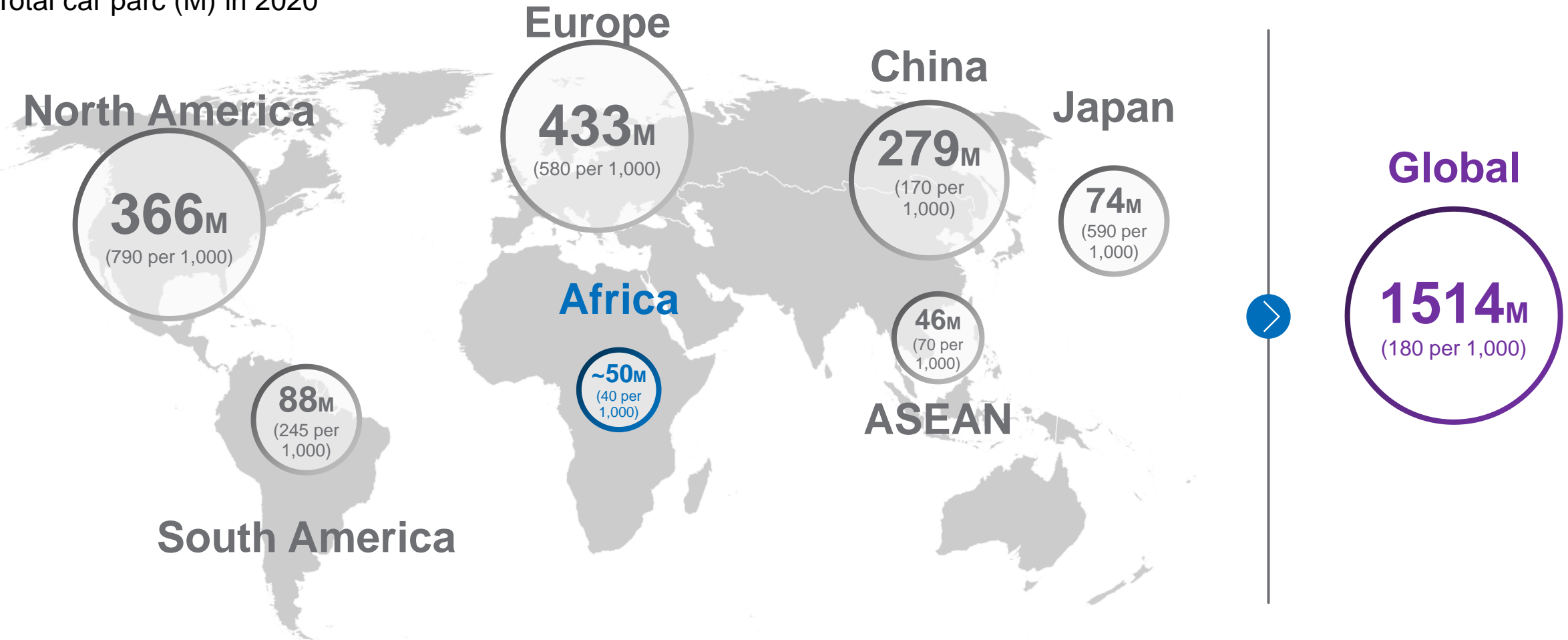


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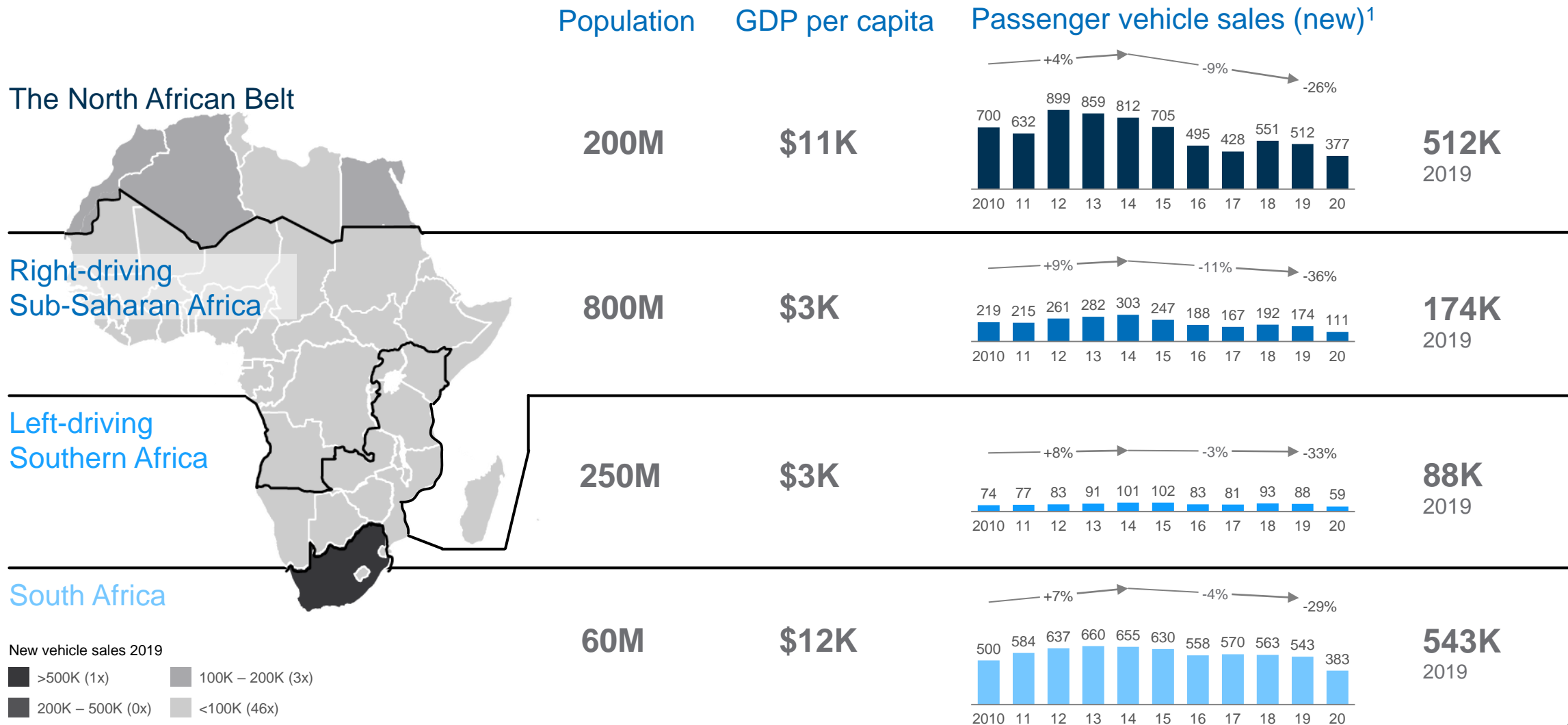
# Current state of the African automotive industry

Africa's automotive industry is small by global standards – one ninth of Europe with almost double the population; world's lowest motorisation rates

Total car parc (M) in 2020



# New sales market is also nascent, fragmented and highly concentrated

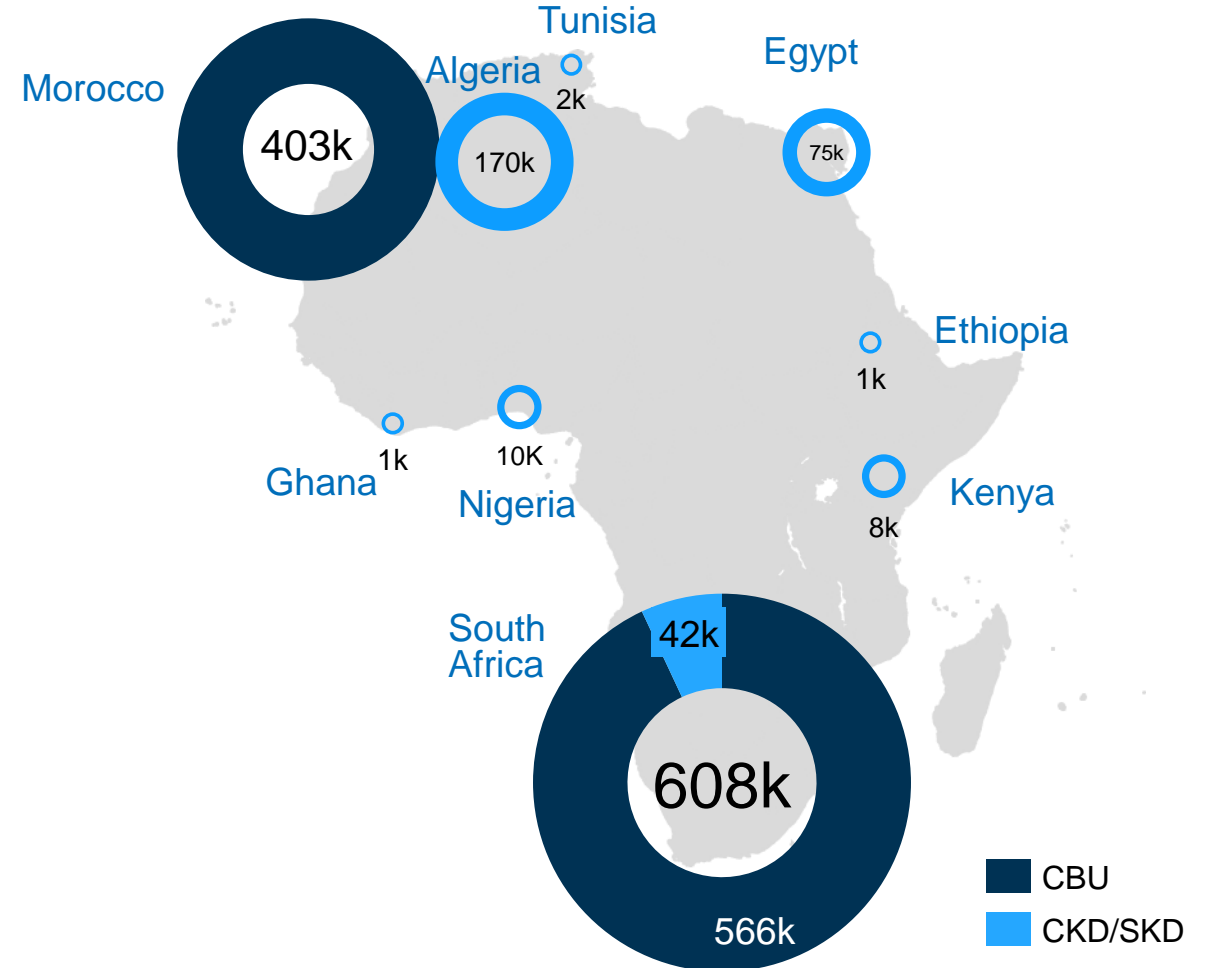




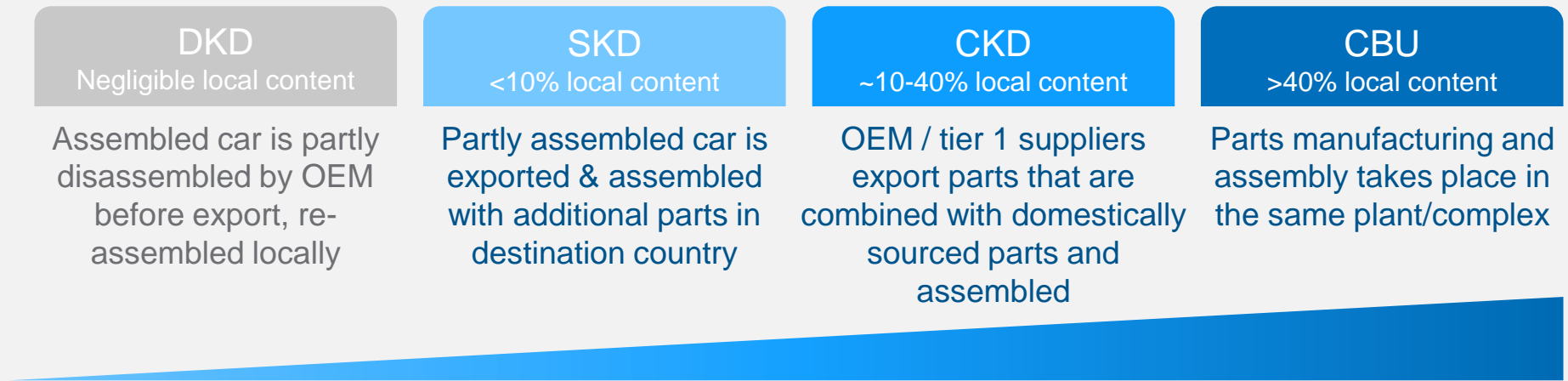
Scale production is limited to South Africa and Morocco

Elsewhere, small-scale assembly with limited value addition

Production of vehicles per year by process in 2019 (K)



# Higher value-added production models require greater market scale



Min. required scale for total market



<30K new PV sales

N/A

<50K new PV sales

<5K new CV sales

50-75K new PV sales

5-10K new CV sales

>750K new PV sales

>50K new CV sales

*NOTE: Multi-brand assembly can reduce the minimum addressable market for SKD and CKD*

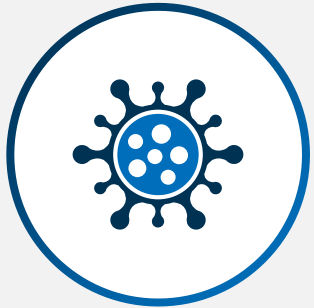
Note: DKD = Disassembled/Direct Knocked-Down unit; SKD = Semi-Knocked-Down unit; CKD = Completely Knocked-Down unit; CBU = Completely Built-Up unit; PV = Passenger Vehicle; CV = Commercial Vehicle; OEM = Original Equipment Manufacturer

Note: Scale for Bus manufacture is lower than truck CVs – typically between 1-300 for SKD/CKD & >500 for CBU per plant due to high labour intensity

1. Addressable market includes domestical, regional and international markets. Assuming one assembly/ manufacturer can capture at least 20% of addressable market

Source: Expert interviews and BCG analysis

# Four key trends impacting African automotive market



COVID-19  
impact



Regional  
integration

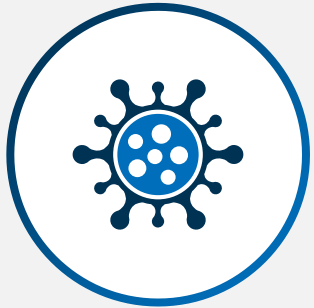


CASE<sup>1</sup>  
innovations



Carbon neutrality  
regulations

# Four key trends impacting African automotive market



## COVID-19 impact

Demand shock in 2020-21

Regional producers recovering -  
new vehicle sales expected to  
reach pre-crisis levels by 2023

Global supply chain challenges -  
impacting future choices



## Regional integration



## CASE<sup>1</sup> innovations



## Carbon neutrality regulations



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## Regional integration

AfCFTA came into force Jan '21

- Timebound tariff elimination
- Auto ROO<sup>2</sup> being finalized
- Risk of protectionism

Africa Auto Pact proposed by AAAM, AFREXIM, ARSO

- To coordinate regional policy, temporarily allow SKD trade from aspiring producers



## CASE<sup>1</sup> innovations



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## CASE<sup>1</sup> innovations

Connected services growing, esp. in B2B (e.g., fleet mgmt.)

Shared mobility gaining foothold

- Traditional taxis/buses remain affordable choice

NEV adoption lags global trend

- But exporters must adapt (e.g., SA, Morocco)



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## Carbon neutrality regulations

Carbon tariff policy in EU<sup>1</sup> others may impact auto trade in future

- Markets are major destination for SA & N. Africa auto exports

Local/regional emission regulation discussions ongoing, early stages

## Country deep-dives | Starting points vary across the continent



South Africa



Nigeria



Ghana



Kenya



Ethiopia

Vehicle sales<sup>1</sup>

Vehicle production

Auto policy

Major opportunities

Key challenges



## Country deep-dives | Starting points vary across the continent



South Africa



Nigeria



Ghana



Kenya



Ethiopia

Vehicle sales<sup>1</sup>



~550K new

Vehicle production



~560K CBU

~45K SKD/CKD

Auto policy

APDP<sup>2</sup>; SAAM<sup>3</sup> 2018

Long-term implementation of  
stable incentive framework

Major  
opportunities

Stable, attractive policy  
framework










Large existing ecosystem  
of suppliers

Key  
challenges







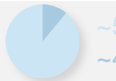
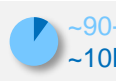



Key export markets shifting  
to NEV – potential  
bifurcation of demand

Stagnant local demand







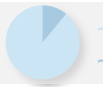



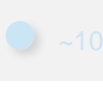

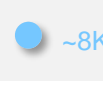
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	 South Africa	 Nigeria	 Ghana	 Kenya	 Ethiopia
Vehicle sales <sup>1</sup>	 ~550K new	 ~500K total ~40K new			
Vehicle production	 ~560K CBU ~45K SKD/CKD	 ~10K SKD/CKD			
Auto policy	APDP <sup>2</sup> ; SAAM <sup>3</sup> 2018 Long-term implementation of stable incentive framework	NAIDP <sup>4</sup> 2013 Not fully enacted; recent tariff revisions			
Major opportunities	Stable, attractive policy framework  Large existing ecosystem of suppliers	Potentially large market if new sales incentivized  Historic supply base / skills  ECOWAS opportunity over longer-term			
Key challenges	Key export markets shifting to NEV – potential bifurcation of demand  Stagnant local demand	Local competitiveness challenged by 2020 vehicle tariff cuts and currency dips			

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








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Major opportunities	Stable, attractive policy framework  Large existing ecosystem of suppliers	Potentially large market if new sales incentivized  Historic supply base / skills ECOWAS opportunity over longer-term	Strong policy momentum  ECOWAS opportunity over longer-term	NAP tariff plans would boost new vehicle sales  EAC doubles addressable market  Existing production base	
Key challenges	Key export markets shifting to NEV – potential bifurcation of demand  Stagnant local demand	Local competitiveness challenged by 2020 vehicle tariff cuts and currency dips	Affordability of new vehicles; used imports are cheaper  Currency depreciations	Delays in full gazettement of NAP and used import limits  Affordability of new vehicles	



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Major opportunities	Stable, attractive policy framework  Large existing ecosystem of suppliers	Potentially large market if new sales incentivized  Historic supply base / skills ECOWAS opportunity over longer-term	Strong policy momentum  ECOWAS opportunity over longer-term	NAP tariff plans would boost new vehicle sales  EAC doubles addressable market  Existing production base	Large nascent market  Recent privatization wave attracting investment  New vehicle sales boosted by 2020 excise tax
Key challenges	Key export markets shifting to NEV – potential bifurcation of demand  Stagnant local demand	Local competitiveness challenged by 2020 vehicle tariff cuts and currency dips	Affordability of new vehicles; used imports are cheaper  Currency depreciations	Delays in full gazettement of NAP and used import limits  Affordability of new vehicles	Access to FX and currency depreciation  No clear automotive policy / specific local incentives

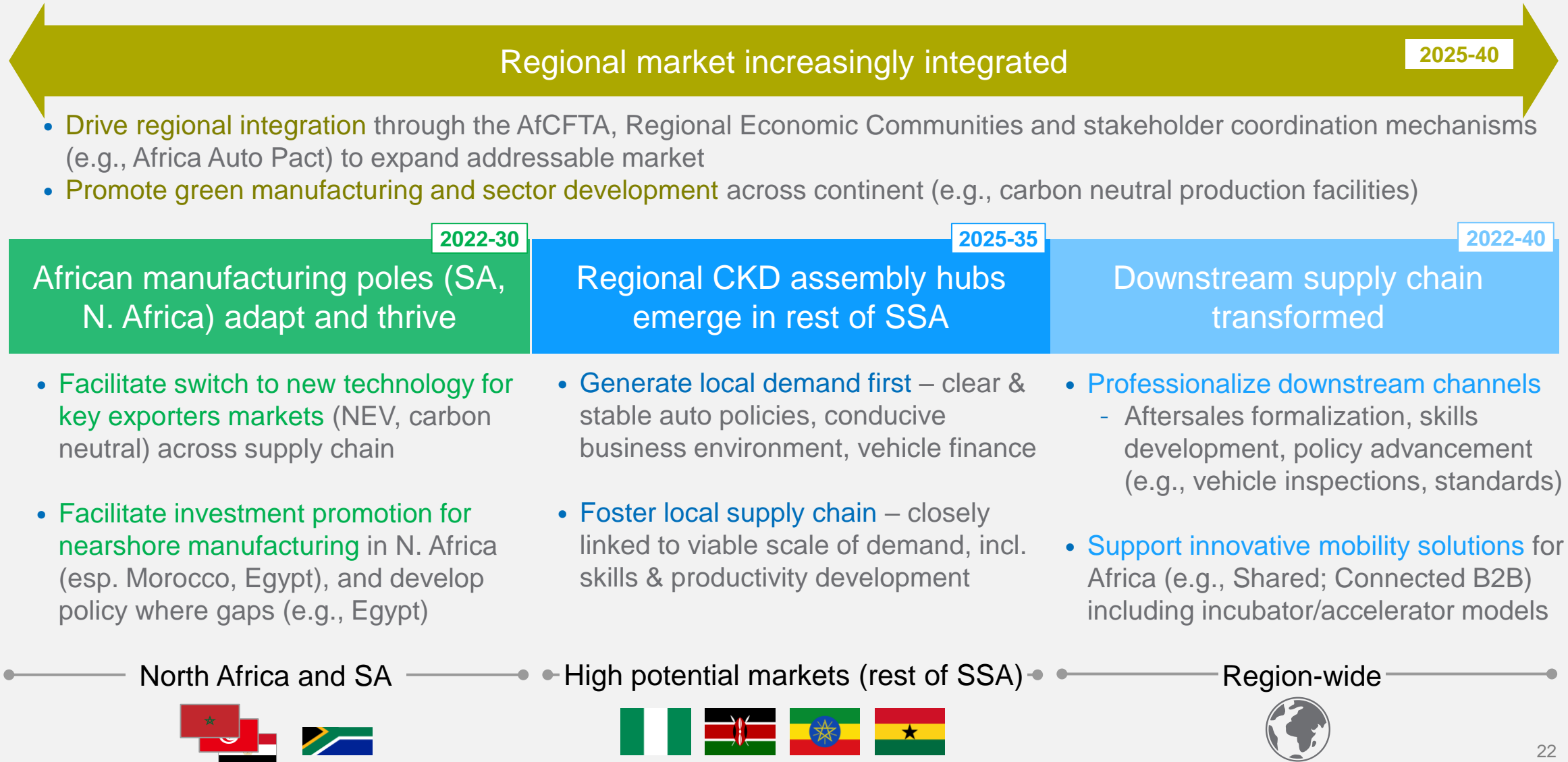
1. Vehicle sales includes all new additions to vehicle stock annually including used vehicle imports, new vehicle imports and new vehicle production (less exports) 2. Automotive Production and Development Programme 3. South Africa Automotive Masterplan 4. National Automotive Development Plan 5. Ghana Automotive Development Policy 6. National Automotive Policy



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# Future state potential

# Future state | Potential future of African automotive industry





A long-exposure photograph of a multi-lane highway at night. The image shows bright, curved light trails from cars, primarily in red and white, indicating motion. Streetlights are visible along the right side of the road, and the overall scene is dark with some distant city lights in the background.

# Next steps

The Final Report will be published once finalized and will be shared with all registered participants of today's seminar



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25 min

## > Panel discussion

35 min

## Open Q&A

20 min

# Today's panelists



**Mr. Dave  
Coffey**

Chief Executive  
Officer



**Mr. Themba  
Khumalo**

Principal Advisor,  
Industrial Development



**Ms. Rita  
Kavashe**

Managing  
Director



**Dr. Markus  
Thill**

President,  
Africa



**Mr. Takeshi  
Watanabe**

Chief Executive  
Officer



**Dr. Nikolaus  
Lang**

Managing Director &  
Senior Partner

*Moderator*



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