# **New Mobility Business Models**

Including car sharing, ride sharing, ride hailing, and beyond

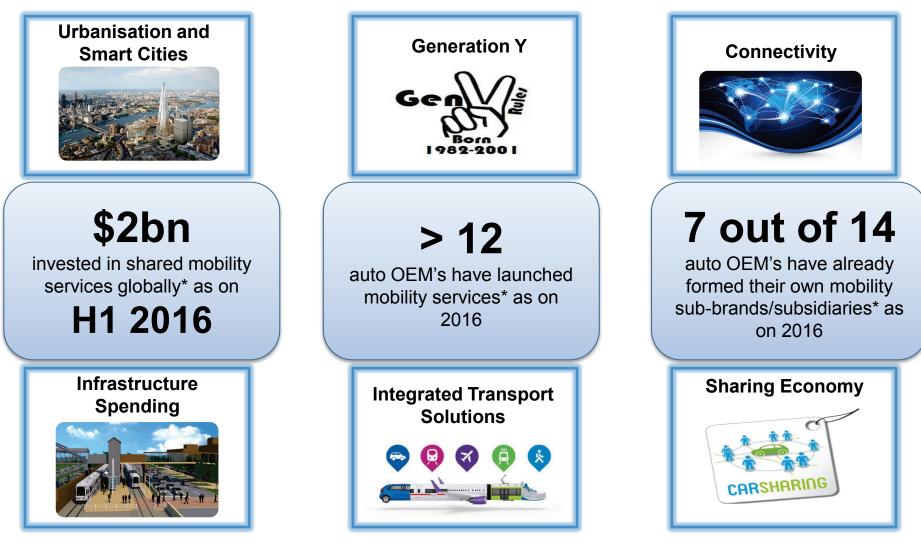
## Vishwas Shankar, Research Manager, Frost & Sullivan



2017 SAA Outlook Conference, Detroit January 8<sup>th</sup> 2017

### **Converging MegaTrends Impact Mobility Solutions**

Digital disruption facilitating rise in new mobility business models : App-based, on-demand services



Source: Frost & Sullivan [\*Research MC5A, 2016]

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#### **Comparison of OEM's Mobility Strategies**

Focus of target: 25 – 45 years; to improve brand image now; to influence future purchasing decisions

OEM		Separate mobility subsidiary or brand	Independent mobility projects	Set up labs exclusively to research on mobility initiatives
Daimler	Luxury			•
BMW	Luxury	•		•
Audi	Luxury		•	
Hyundai	Mainstream		•	•
vw	Mainstream	•		•
Ford	Mainstream	•		
Groupe PSA	Mainstream	• 7	7	7 7
Renault Nissan	Mainstream		•	•
Toyota	Mainstream		•	
Honda	Mainstream		•	
GM	Mainstream			
FCA	Mainstream		•	
Volvo	Luxury		•	
JLR	Luxury	•		

Only Services and products that are currently operational are considered. Past pilots and future launches are not considered.

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Independent mobility projects include owned, collaborated, partnered projects  $\mathbf{F}$ 

Source: Frost & Sullivan [\*Research MC5A, 2016]

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#### New Mobility Business Model Trends – 2016 Highlights\*

Biggest trend noticed is OEMs shifting their focus from product based to service based solutions

	Traditionally, OEM's had defined separate strategies for passenger and fleet vehicles.	
New	The lines between the two are getting blurred.	
Partnerships	• OEMs such as VW, Toyota, Daimler, Ford, GM have signed partnerships with mobility	
	<b>companies</b> to guard against a shift in consumer choice away from vehicle ownership.	

New	<ul> <li>Carsharing, ride hailing and other mobility services offer an new touch point with</li> </ul>
Branding	prospective customers.
Methods	This gives OEM's access to a potential future customer base, as familiarity with a brand is
methous	likely to positively influence the purchasing decision.

New Mobili	<ul> <li>A key development expected in the short to mid-term in the mobility landscape is the</li> </ul>
Business	convergence of different mobility business models.
Models	• Renting out carsharing vehicles for use in the taxi fleet is already being employed by
Convergen	ce some of the OEM's such as GM through Maven

<ul> <li>Integrated Mobility</li> <li>Investments into one stop shop for all the personal and mobility needs of the future. As a part of unified mobility platforms offered by OEMs Addition of services such as on-demand shuttle services is an indication in this direction.</li> </ul>
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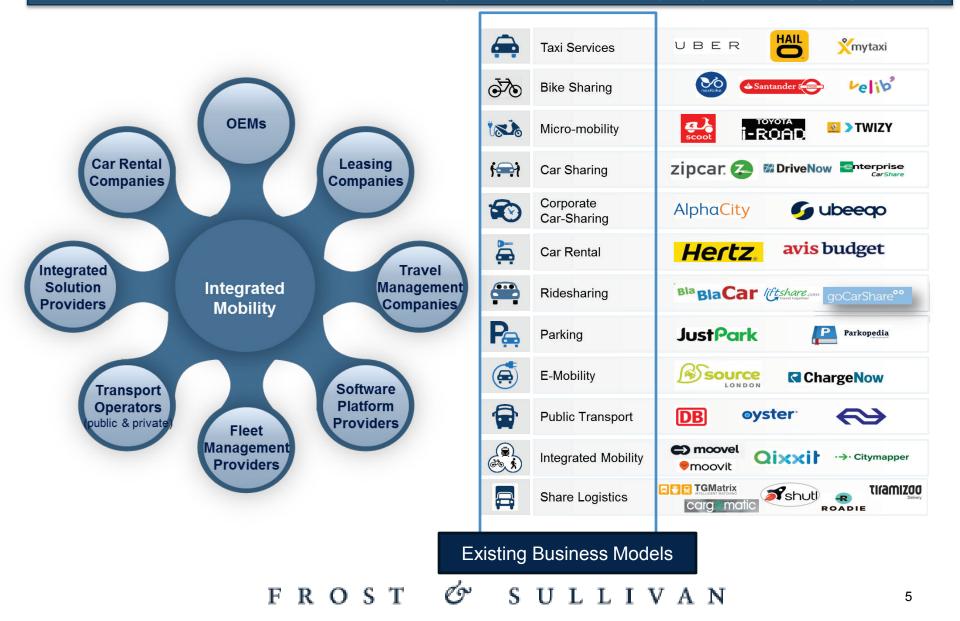
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Source: Frost & Sullivan [\*Research MC5A, 2016]

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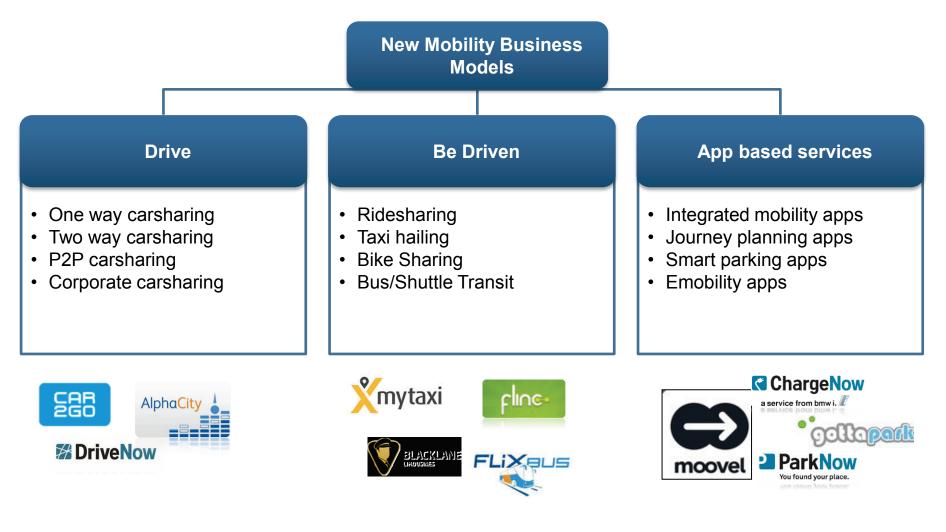
#### New Mobility Business Models & Partnerships Enable First/Last Mile

B2C, B2B environments customers demanding intuitive services; many players investing significantly



### **Existing Mobility Business Models**

Segmentation: Services where customer has access to a vehicle, a ride, app based support services



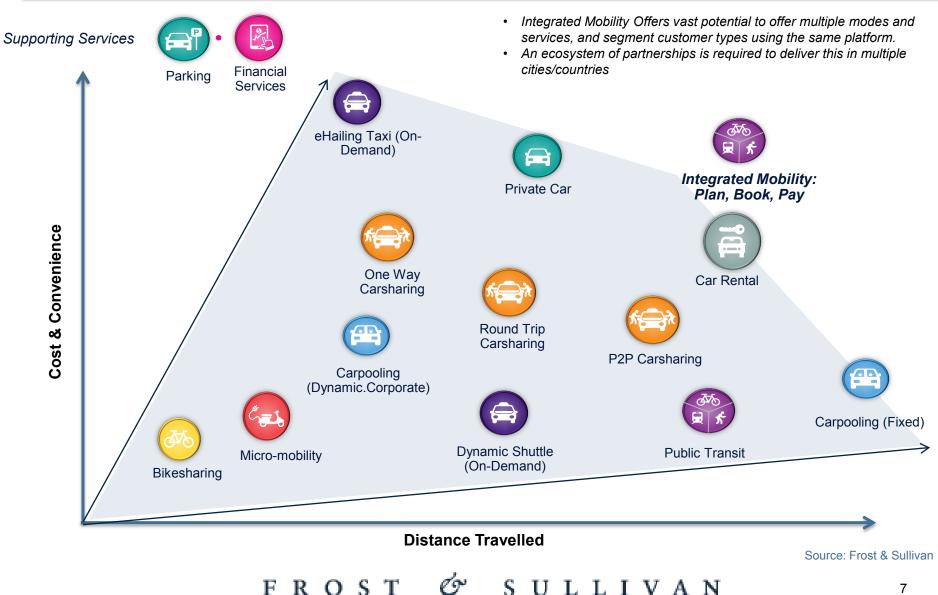
Source: Frost & Sullivan

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### **Emerging Urban Mobility Landscape**

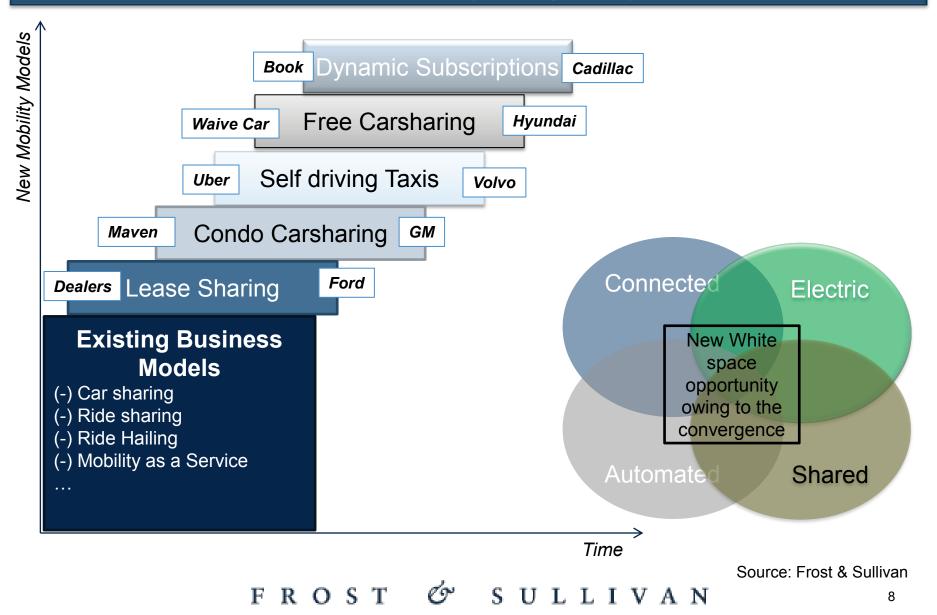
#### To increase convenience, comfort, and coverage/use cases

#### Exploring the area between public transport, and private car ownership



#### **Future Mobility Business Model Evolution**

Connected, electric, automated, and shared mobility convergence key to new future business models



#### Paradigm Shift from Vehicle Ownership to Vehicle Usage

An integrated multi modal mobility network, due to changing demographics, preferences, technology



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