WHAT'S NEW?

H1 2020

EXECUTIVE LENS

Summarized insights for Mobility Business Models w.r.t. trends in technology, market, and players



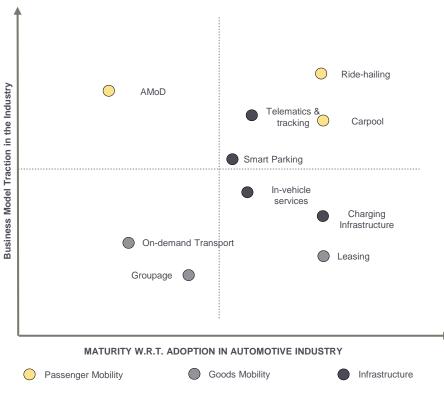
NDUSTRY

NSIDER

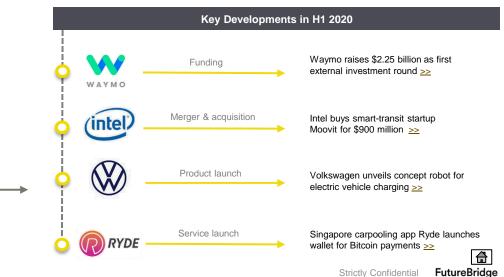
MOBILITY

State of the Trend

Automakers launching their own mobility services in partnership with startups

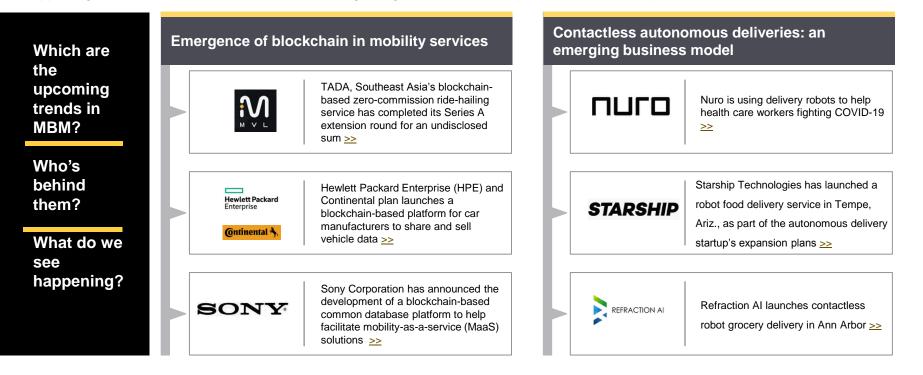


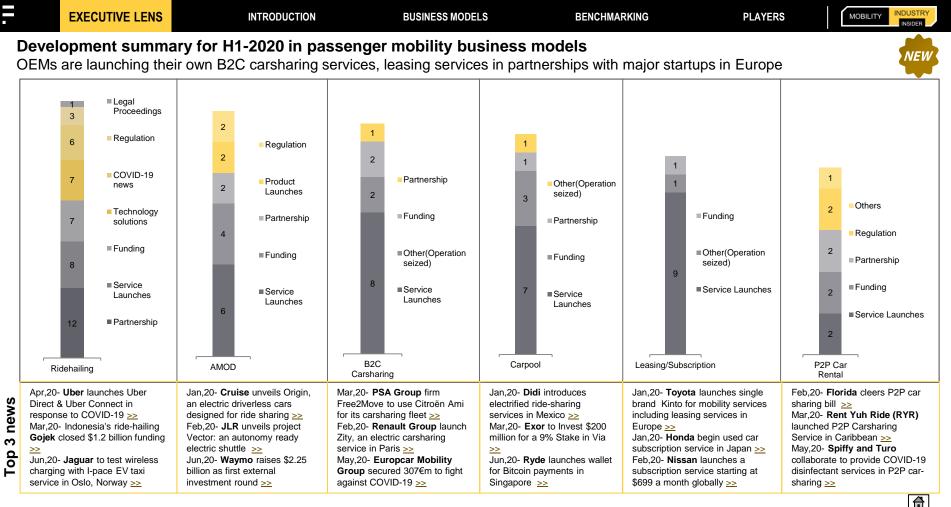
- · Variations of the shared mobility business models are being developed targeting specific customer demographic segments.
- · Mobility service providers are increasingly employing electric vehicles into their fleets in line with electrification megatrend.
- · Autonomous vehicles in goods' delivery is picking up pace, in terms of funding, technology and services.
- · New value chains are being created, specifically in the infrastructure segment, giving rise to new startups in charging, parking, and telematics domain.

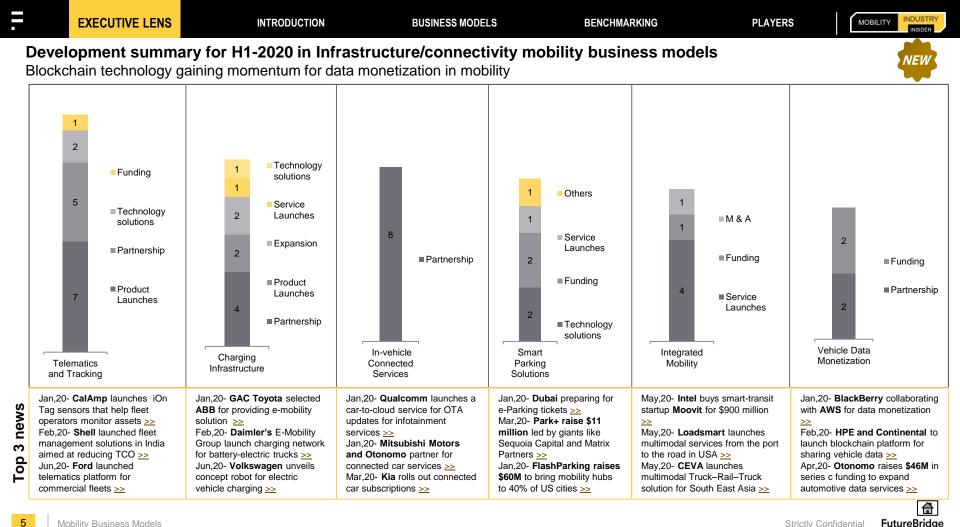


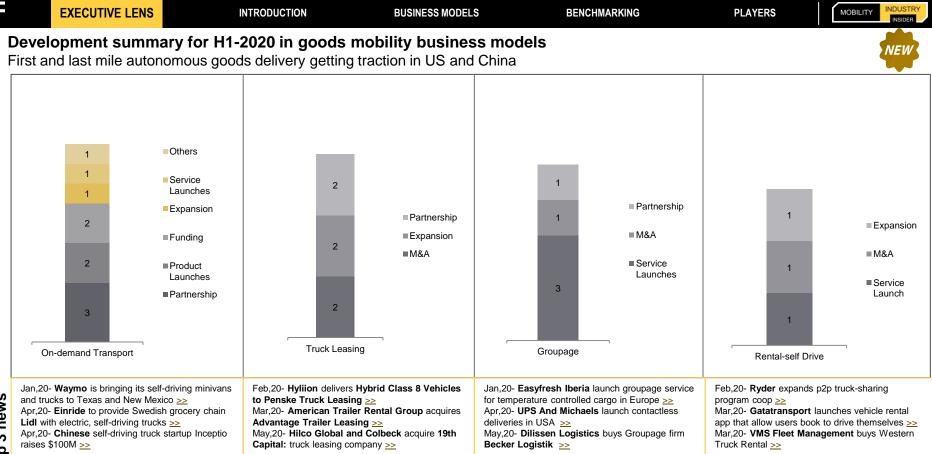
Emerging trends in Mobility Business Models in H1-20'

Blockchain is helping from verifying a vehicle's history, better supply chain tracking, automating transactions, enabling seamless ridesharing or supporting fairer insurance. Contactless deliveries gaining momentum in response to COVID-19 pandemic.





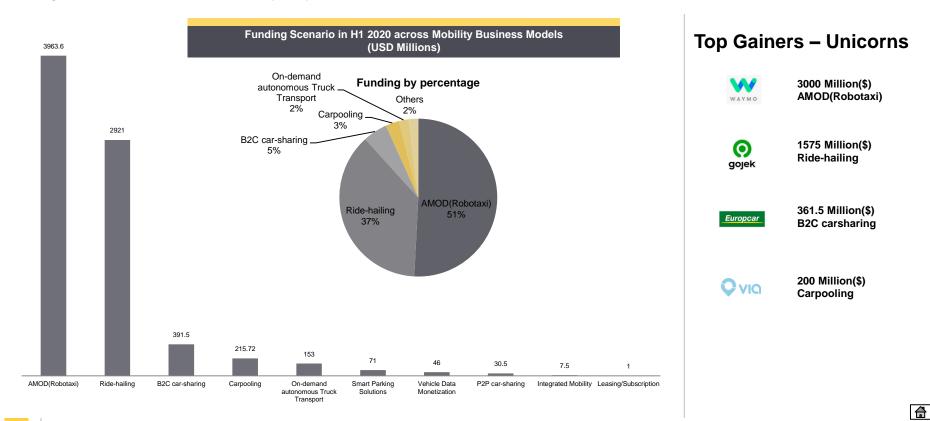




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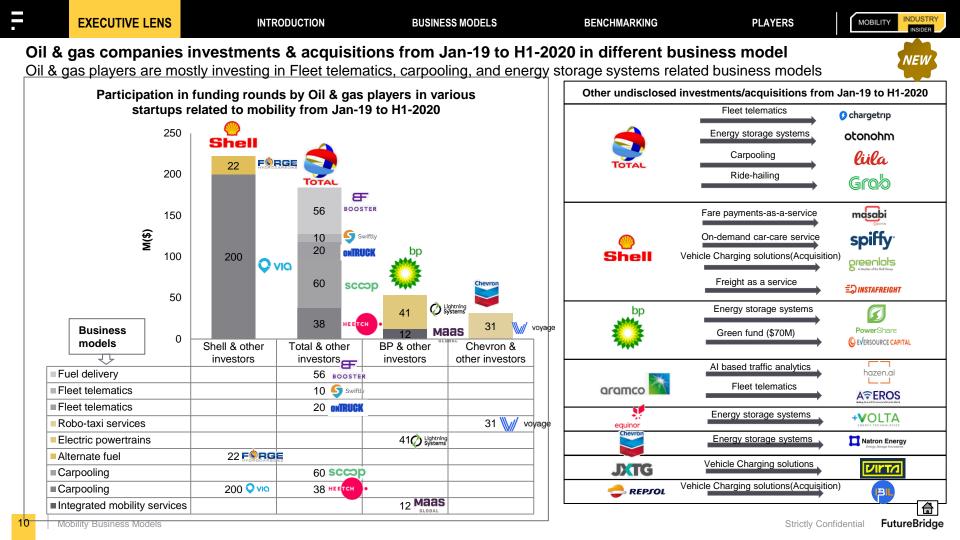
Funding Scenario (H1 2020)

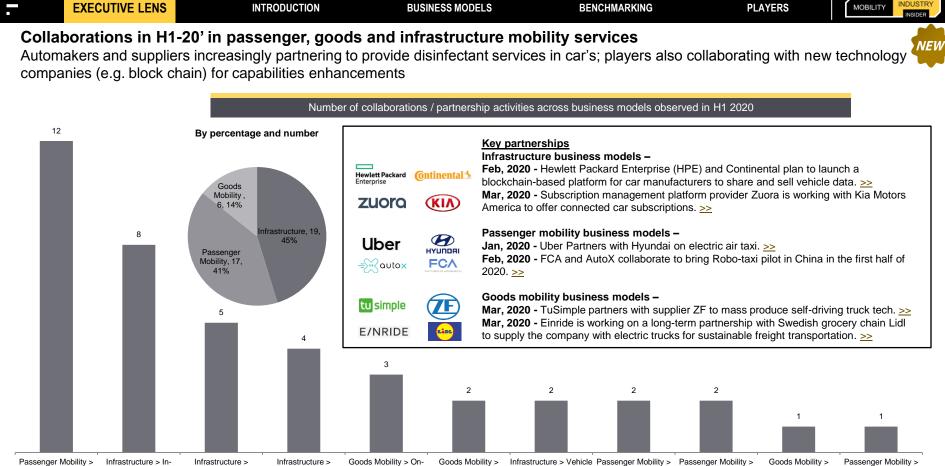
Surge funding for ride-hailing companies for further penetration into Asian markets. Robotaxi services dominated the funding in H1-2020 taking 51%(3.9B\$) of total share lead by Waymo (3B\$)



	Ride-ha	ailing				AMOD(Robota	xi)			
4000						4500	,	í A		
3500	100	24%					35	5.7%		
3000	500					4000			500	
	495.3	>				3500				
2500	-00.0			^		3000	50	/		
2000			1575	Q	M(\$)	2500	600			
1500	2350	5		gojek	ž	2000			3000	WAY
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500			1056			1000				
0	H1-2019	н	1-2020				1200	cruise		
Bolt			180			500	1200		462	
■Tada			10			0	H1-2019		H1-2020	
■UZURV	5				Didi self-driving unit		111 2013		500	
Wheely	15				Waymo				3000	
Gojek	100		1575		Pony.ai		50		462	
Gett	120		100		WeRide		70		1.6	
Uber	500				Aurora		600			
■Ola	495.3				Uber self-driving uni	t	1000			
■Grab	2350		1056		GM self-driving unit,	Cruise	1200			

Ι.		EXECUTIV	E LENS		INTRODU	ICTION		BUSINE	SS MODELS		BENCHMAR	KING	PLAYE	RS	MOBILITY INDUSTRY	
		ng Scen ig in H1-20	•				% YC	DY com	pared to H	1-19'(233	.46 M\$) in	carpooling	services.		NEW	
	Carpooling							P2P car-sharing							Funding in H1-20'(30.5 M\$) is up by approx. 4983% YOY compared	
		250		7.6%	• 🖣			<u> </u>	1 (RYDE 4	983%		_	sharing se	.6 M\$) in P2P car- rvices. Ryde received	
		200	38		~			(s) W		H1-2019		30 H1-2020		2019 while,	funding(0.6 M\$) in H1- Turo received the	
		150	44					■ Moovb	/	0.6		0.5		3 P2P cars	ding(30 M\$) in H1-2020. haring startups have nding in H1-19 and H1-	
	M(\$)							■ Turo		30			20' out of 1	20' out of 19 which FutureBridge tracks in our startup tracker.		
		100	70	C cal	oify	200	a									
		50	68	68				Leasing/Subscription						Funding in H1-20'(1 M\$) is down by approx. 98.2% YOY compared to H1-19'(50.7 M\$) in		
		0 -	H1-20	19	H1	-2020		60 40 20	fair	50	90.2% 7	invygo		Fair receive	ed the highest funding(50	
	Hc	opSkipDrive				1.5		2 20	 ,	11-2019	>	H1-2020			2019 while, Invygo e highest funding(1 M\$)	
	■Gr	ridwise	1.2	2		3.3		Invygo				1		in H1-2020.	3 leasing/subscription	
	■ Sh	nuttl	12.2	26	1	0.42		■ Bipi		7.06		1			ve declared funding in H1-20' out of 19 which	
	= He	eetch	38	5				■ Bipi		50				FutureBridg	je tracks in our startup	
	Zu	ım	44					= r an		50				tracker.		
	Ca	abify	70											1		
	Sv	wvl	68							B2C car-	sharing				H1-20'(391.5 M\$) is up	
	■Ra	ally				0.5	500								790% YOY compared to //\$) in B2C car-sharing	
	■Via	a				200	400			790%				services. S	locar received the	
	19'(233.4 M\$) in H carpoolin FutureBri	in H1-20'(215.7 46 M\$) in carpo 11-2019 while, \ ng startups have idge tracks in o bbility Business	voling service /ia received the declared fun- ur startup trace	s. Swvl recei e highest fun ding in H1-19	ived the high ding(200 M\$	est funding(68) in H1-2020. 9	300 200 100 0	M(\$)	SOCAR 44 H1-2019		30	361.5 H1-2020	Europear	while, Europ highest fund 2020. 3 B20 have declar H1-20' out o	ding(44 M\$) in H1-2019 ocar received the ding(361.5 M\$) in H1- C car-sharing startups ed funding in H1-19 and of 17 which FutureBridge r startup tracker.	





Leasing

Data Monetization Automated Mobility On

Demand (AMOD)

Charging Infrastructure demand Transport

Passenger Mobility > Infrastructure > In-Transport Network vehicle Connected Telematics and Companies/Ridehailing Services

Tracking

Groupage

Ridesharing (Carpool)

A

P2P Car Rental

Startup tracker summary-H1,20'

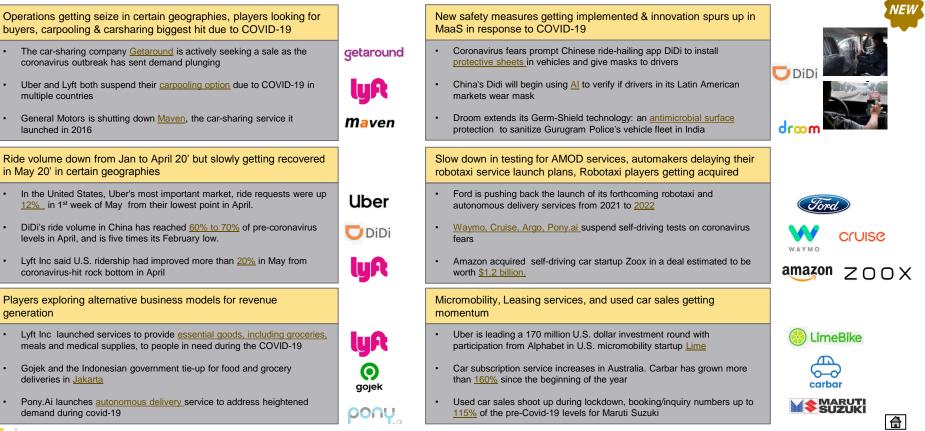
Proliferation of leasing/subscription business models across the globe in H1-20' in passenger mobility and Fleet telematics and in-vehicle connected services in goods mobility and infrastructure respectively gaining momentum out of 393 startups tracked by FutureBridge



Strictly Confidential FutureBridge

COVID-19 impact on mobility business models in H1-20'

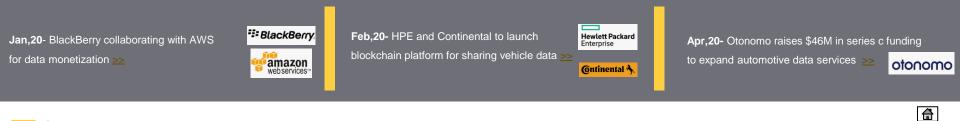
The Surge of rides in micromobility, leasing services while carpooling and carsharing services seizing their operations in certain geographies



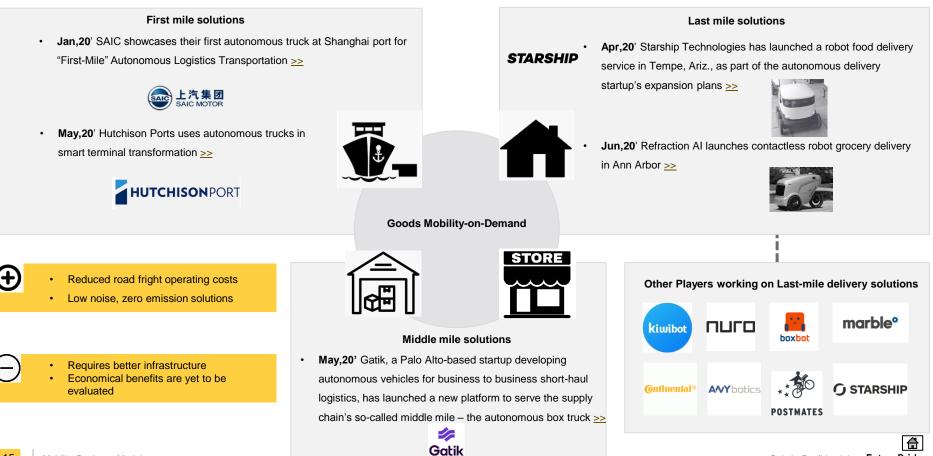
Vehicle data monetization getting momentum in H1-20'

Macro category	External road and environmental conditions	Technical status of the vehicle	Vehicle usage	Direct communications from the vehicle	Personal Preference data	
Use case	Real-time maps	Car repair diagnostics Automatic emergency call	PAYD insurance Toll or road tax payment	Speech control of messaging and e-mail	Vehicle settings memory	
today	Google		SCANIA Tech Mahindra	DAIMLER O	otonomo 🖶 Microsoft 🔀	
Future use case	 Preventive safety Live road condition reports 	Predictive remote service booking	 Reduced engineering costs Trunk delivery 	 Proactive navigation and services Virtual assistant 	 E-commerce in car Targeted advertisements 	

Latest Developments

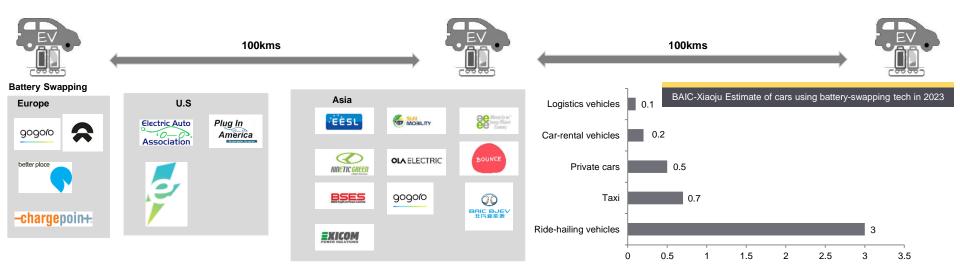


Autonomous Goods Mobility-on-Demand gaining momentum in H1-20'





Mobility players betting on battery swapping technology to push electric cars H1-20'



Latest Developments



Mar,20' Renault Morphoz concept a battery-swapping, shape-shifting Gallic EV >>



Jun,20' IOC launches battery swapping facility for quick recharge of electric vehicles in India >>



May,20' NIO Completes More Than 500,000 Battery Swaps till May end in China

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