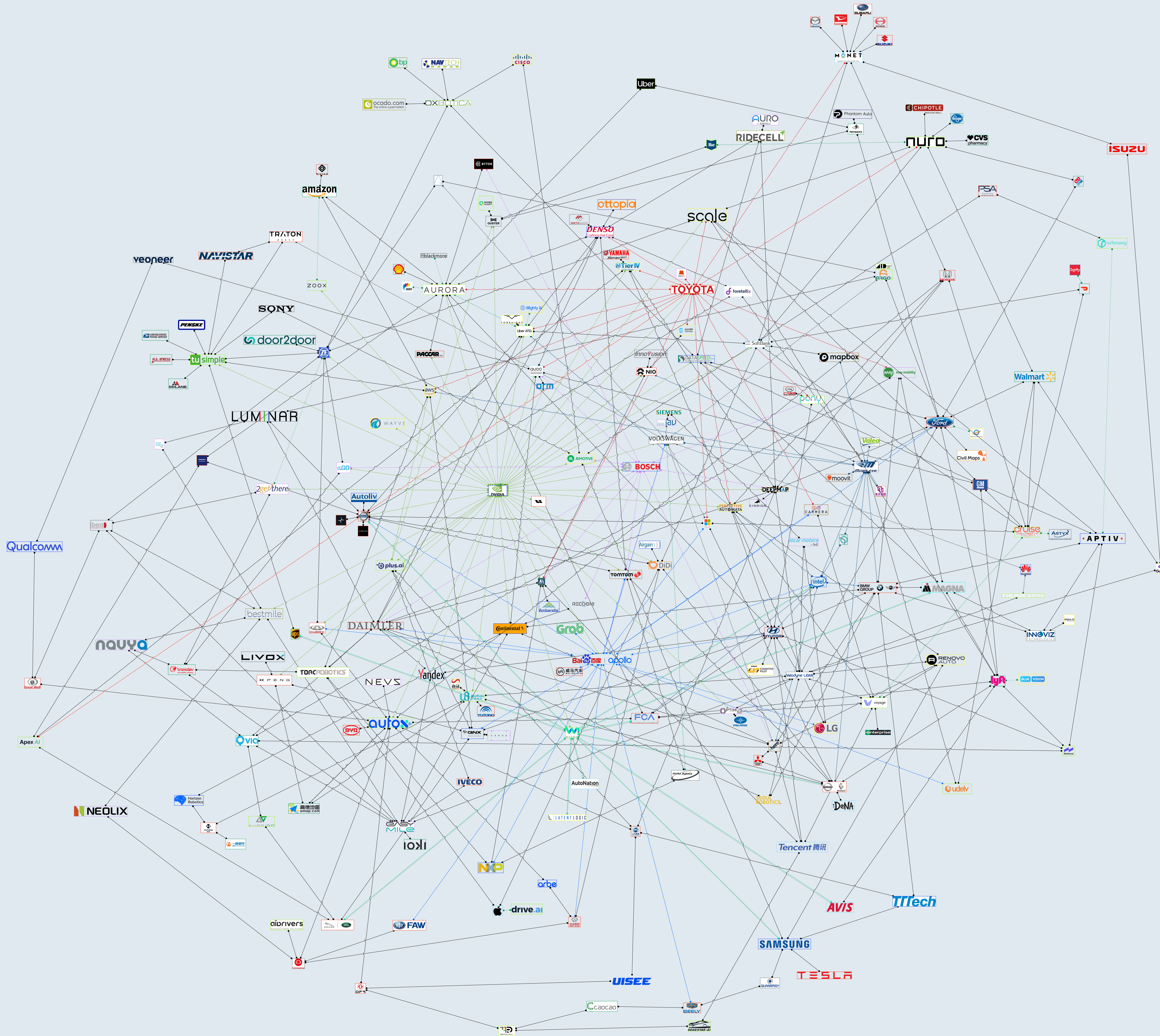




# Autonomous Driving Network Q2/2021

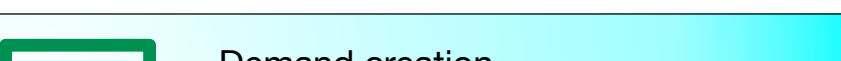

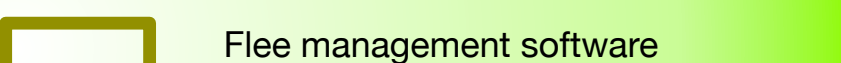
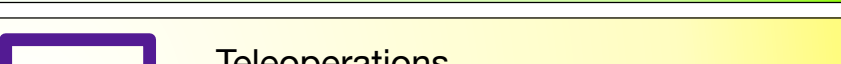
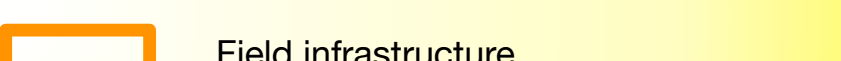
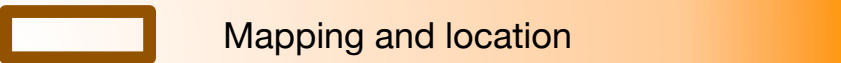


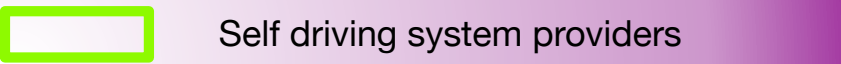
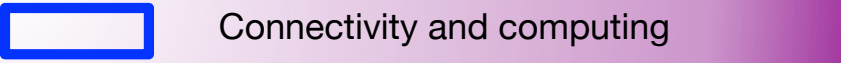

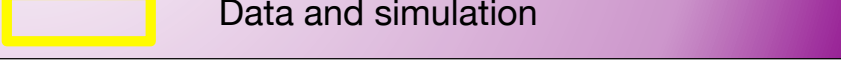



  
 Augustin Friedel   

**Lines**

-  Partnership / cooperation
-  Acquisition

**Framing**

<b>Layer 1: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 2: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
	 Field infrastructure
<b>Layer 4: HD Mapping and location</b>	 Mapping and location
<b>Layer 5: Self driving vehicles and systems</b>	 Automotive OEMs
	 Specialty vehicle / system integrators
	 Self driving system providers
	 Connectivity and computing
	 Sensors
	 Data and simulation

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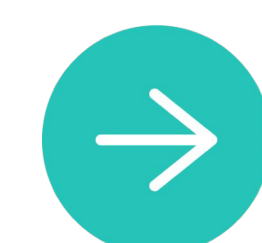
# Unlocking the full potential of on-demand mobility

On Demand Ridepooling is already today contributing a lot to making mobility more efficient, comfortable and sustainable.

Autonomous Vehicles will be the ultimate boost for the on demand business model, but we don't need to wait for L5 autonomous vehicles until the evolution of Ridepooling starts...

## Ridepooling 1.0 On-Demand Ridepooling Shuttles

Replace existing static bus lines. Adding new ridepooling services where there's no public transport offering today



## Ridepooling 2.0 Automated Purpose Built EV Shuttles

First in on campus applications, very soon also in public environments. The merge of HW (vehicle), SW and Service will lead to the next level of system efficiency and end user value.



## Ridepooling 3.0 Fully Autonomous Shuttle

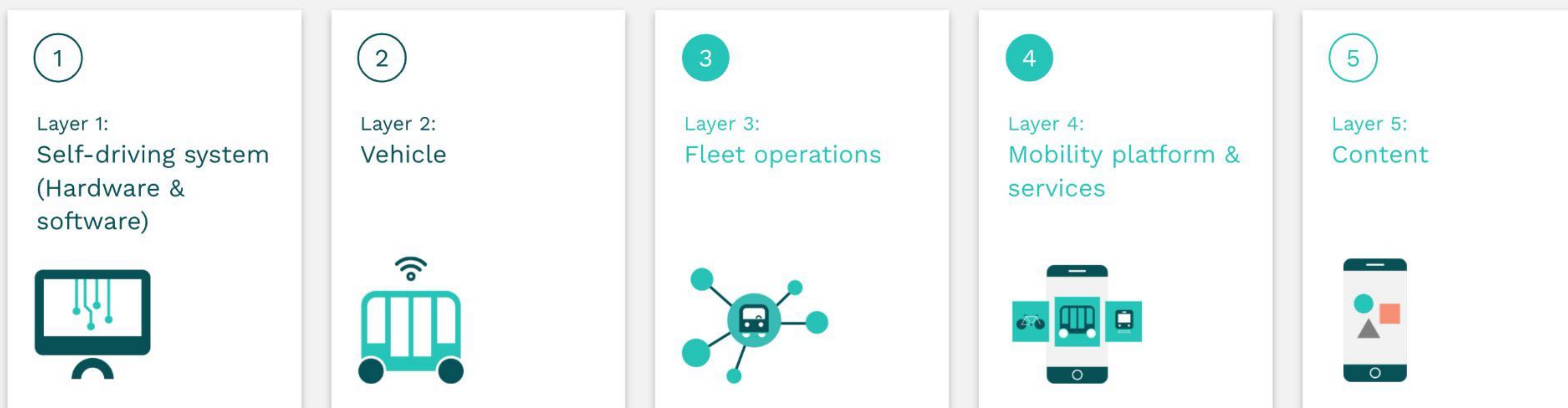
Ridepooling as part of mass public transport, replacing privately owned cars in dense urban areas. Smart, AI-driven dispatch, routing & pooling software that increases efficiency.



## About door2door

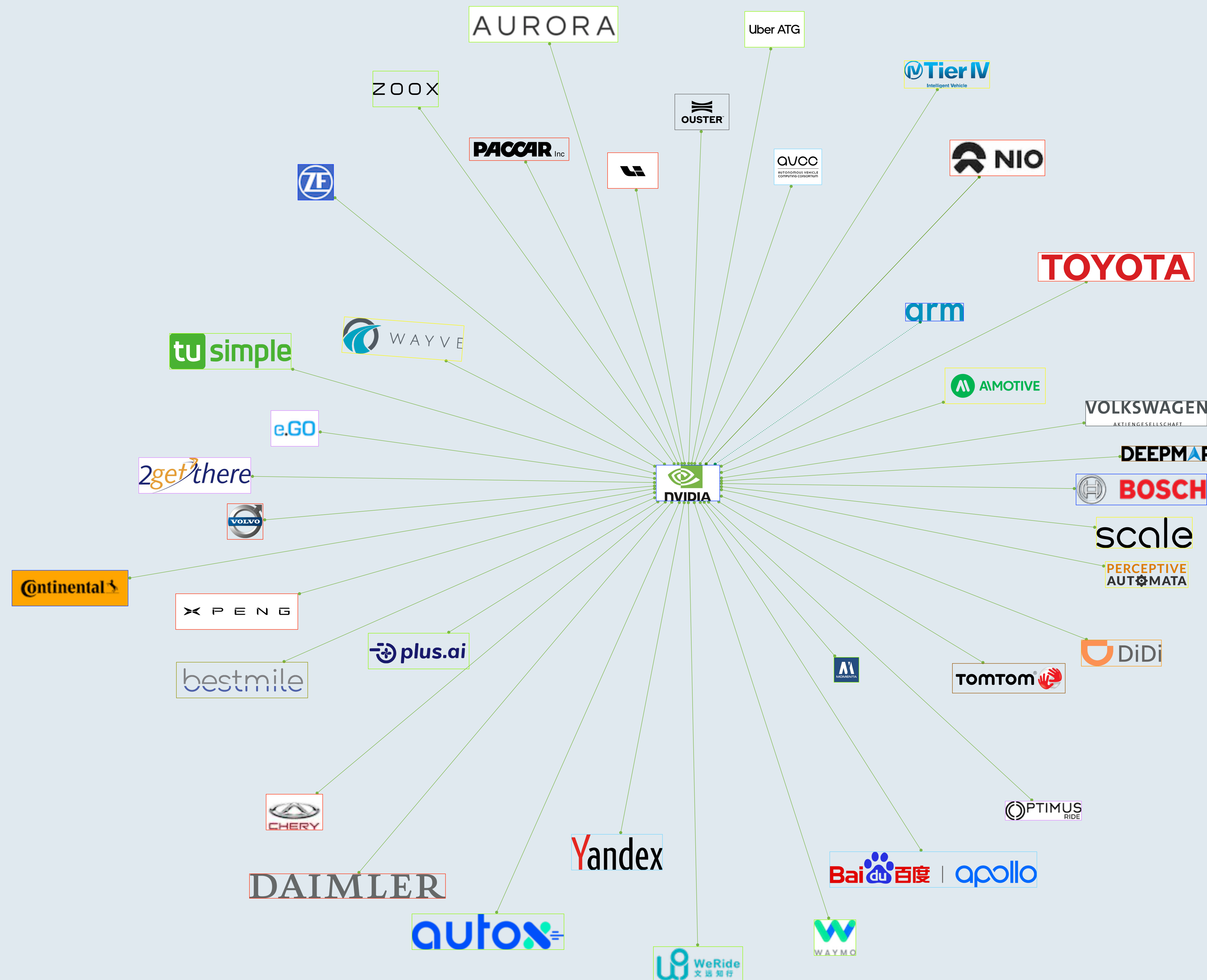
door2door is the leading innovation partner for the next public transport. We identify the gaps in mobility services and supplement the network with an on-demand solution that combines the flexibility of a car with the efficiency of traditional local transport.

## We are part of the Autonomous Driving value chain





Together with ZF and Microsoft, we adapted the door2door platform to operate with AV for mobility and goods transportation (showcase at CES).


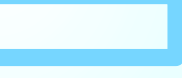










## Autonomous Driving Network Q2/21 - NVIDIA



**Lines**

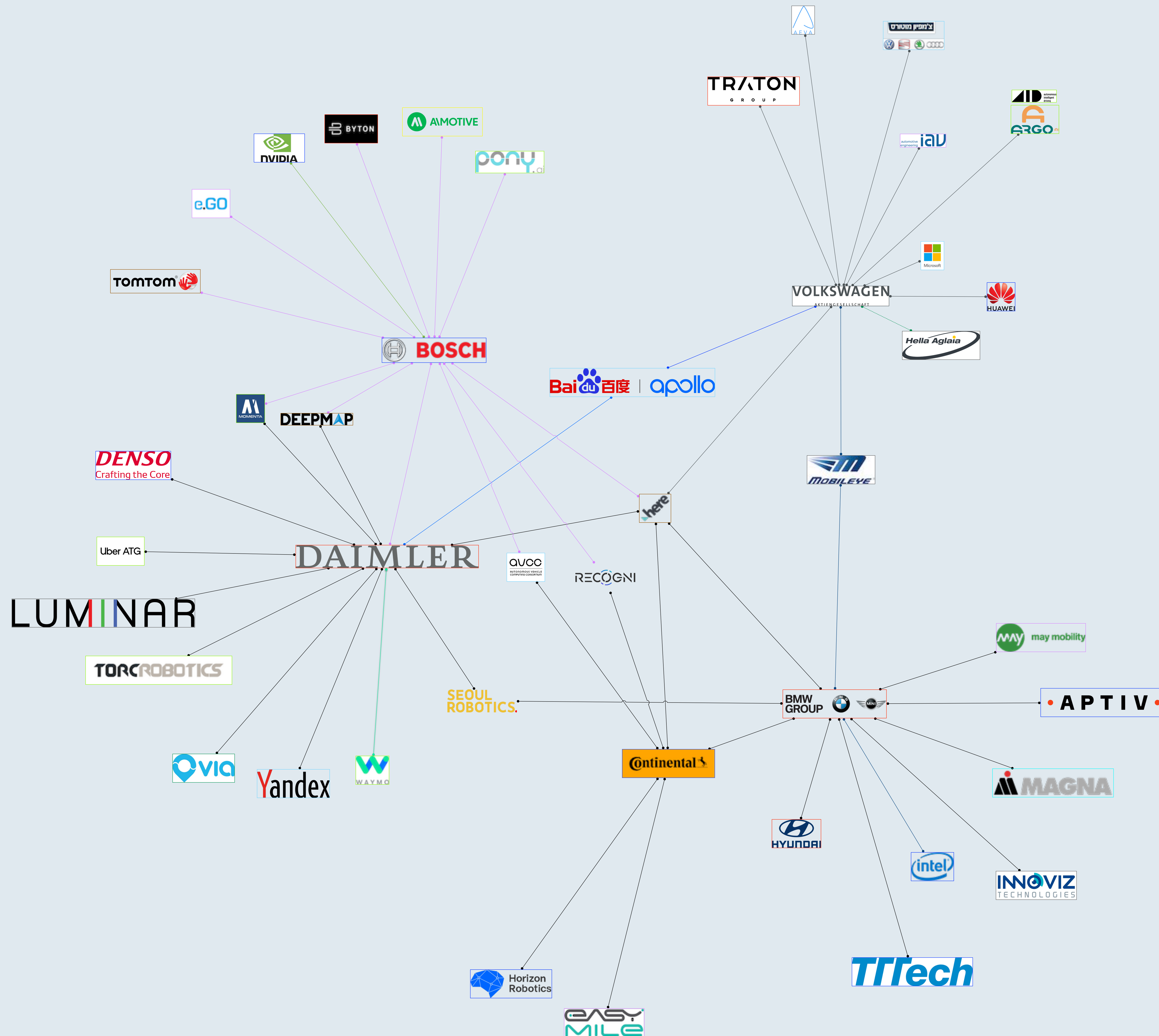
-  Partnership / cooperation
-  Acquisition

**Framing**



<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
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<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs
	 Specialty vehicle / system integrators
	 Self driving system providers
	 Connectivity and computing
	 Sensors
	 Data and simulation

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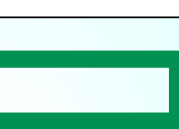
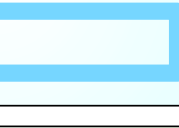







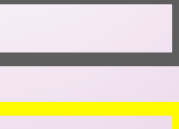

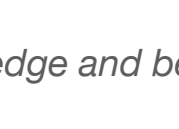
## Autonomous Driving Network Q2/21 - GERMAN OEMs



**Lines**

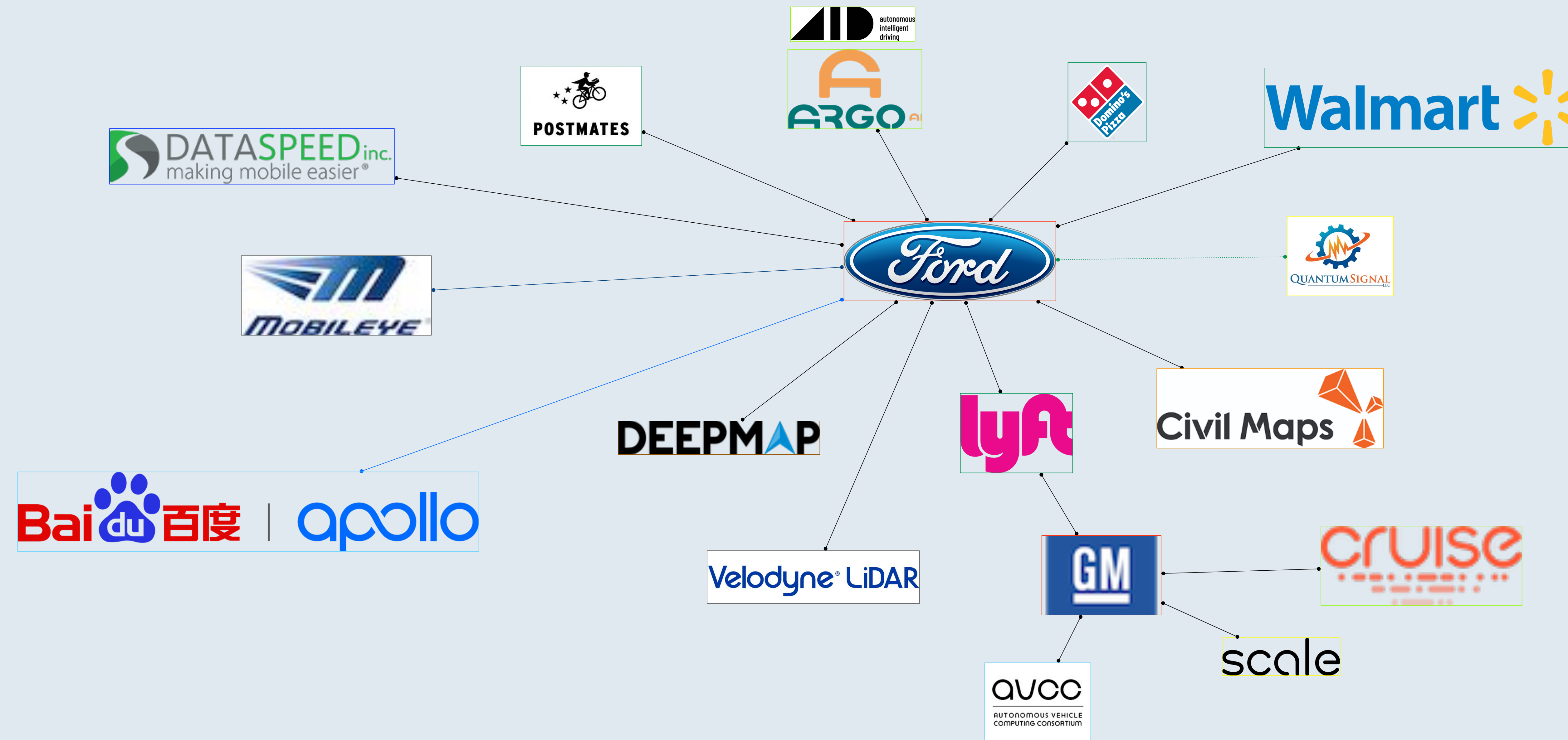
-  Partnership / cooperation
-  Acquisition

**Framing**



<b>Layer 5: Users and partner network</b>	 Demand creation	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software	
<b>Layer 3: Fleet control and operations</b>	 Teleoperations	 Field infrastructure
<b>Layer 2: HD Mapping and location</b>	 Mapping and location	
<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs	 Specialty vehicle / system integrators
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	 Sensors	 Data and simulation

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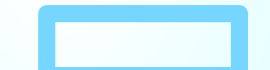






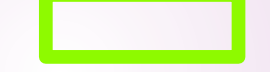

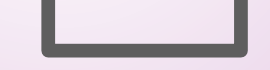

## Autonomous Driving Network Q2/21 - US OEMs





**Lines**

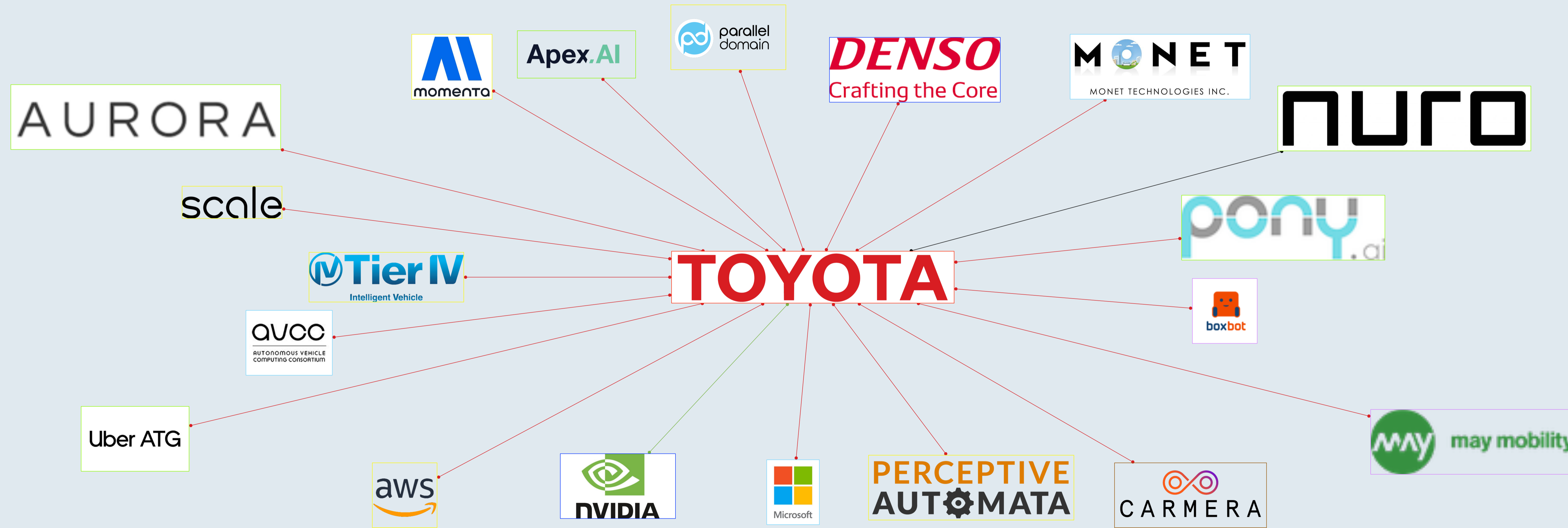
-  Partnership / cooperation
-  Acquisition

**Framing**

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
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## Autonomous Driving Network Q2/21 - TOYOTA



**Lines**

- Partnership / cooperation
- Acquisition

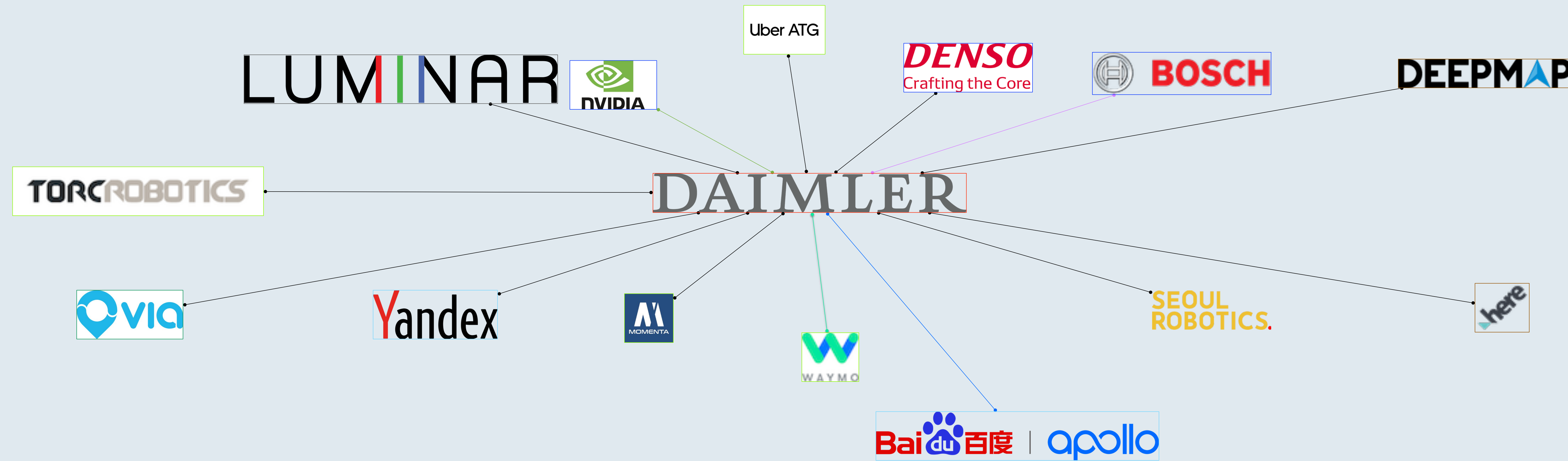
**Framing**

<b>Layer 5: Users and partner network</b>	Demand creation
	Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	Fleet management software
<b>Layer 3: Fleet control and operations</b>	Teleoperations
	Field infrastructure
<b>Layer 2: HD Mapping and location</b>	Mapping and location
<b>Layer 1: Self driving vehicles and systems</b>	Automotive OEMs
	Specialty vehicle / system integrators
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	Data and simulation



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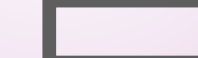

## Autonomous Driving Network Q2/21 - DAIMLER





### Lines

-  Partnership / cooperation
-  Acquisition

### Framing

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
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<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs
	 Specialty vehicle / system integrators
	 Self driving system providers
	 Connectivity and computing
	 Sensors
	 Data and simulation

### Disclaimer:

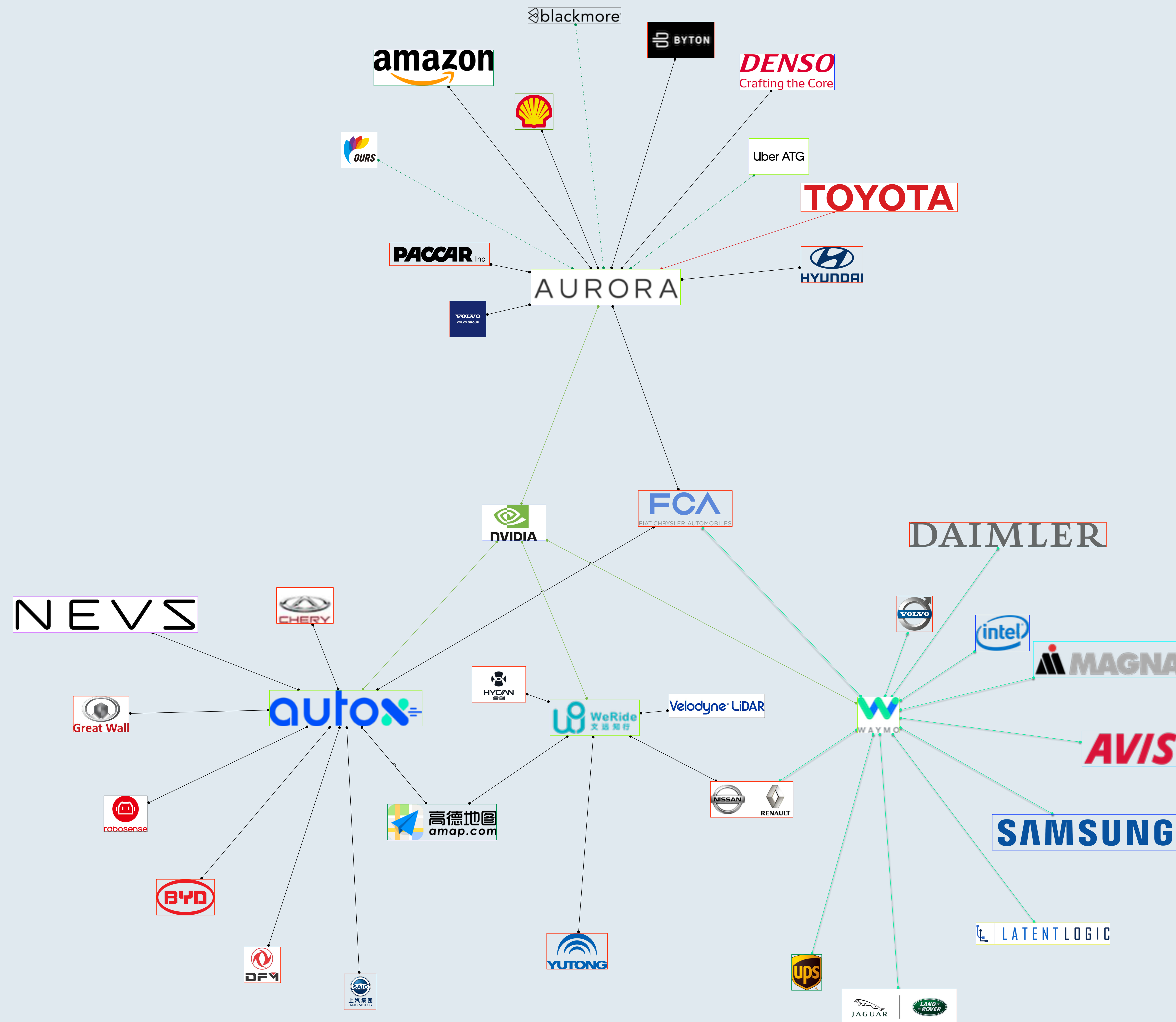
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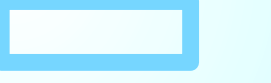




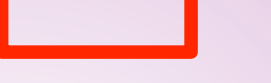
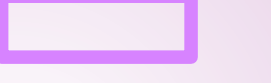


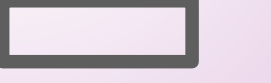

## Autonomous Driving Network Q2/21 - TECH PLAYERS





**Lines**

- Partnership / cooperation
- Acquisition

**Framing**

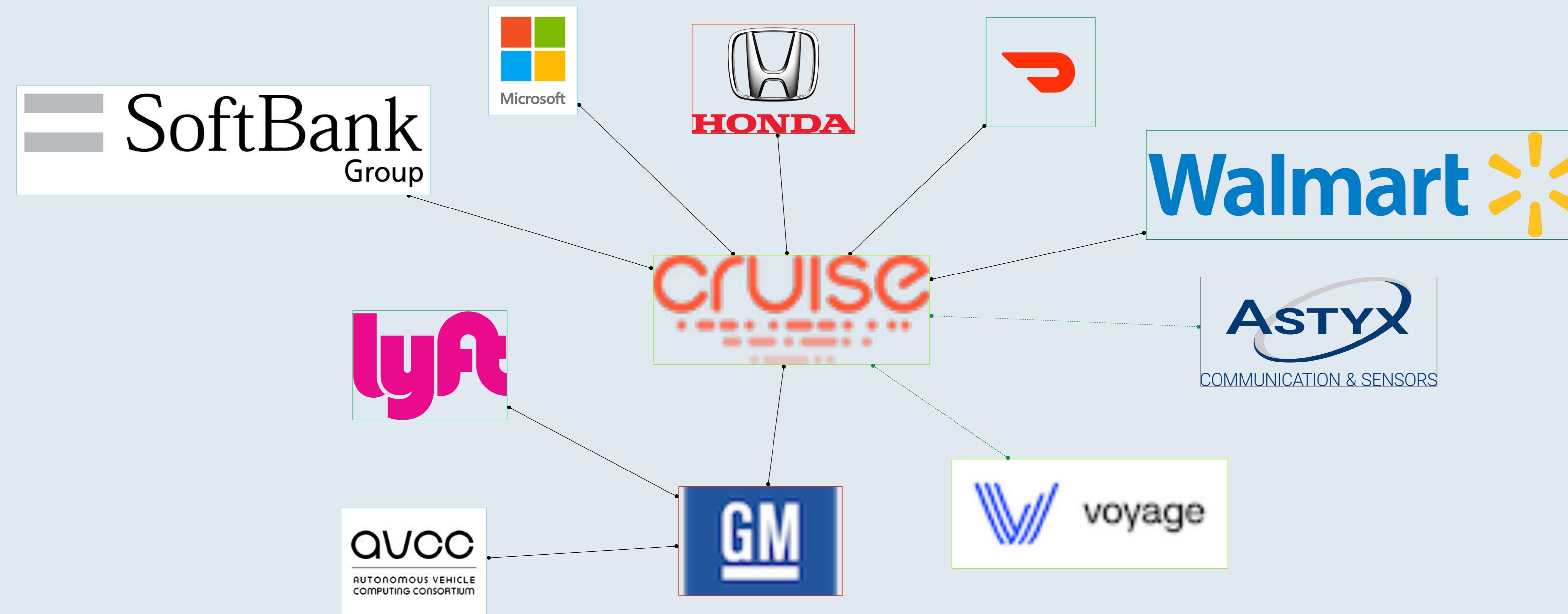
<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
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<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs
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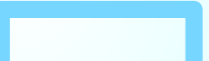








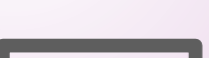

## Autonomous Driving Network Q2/21 - CRUISE



**Lines**

-  Partnership / cooperation
-  Acquisition

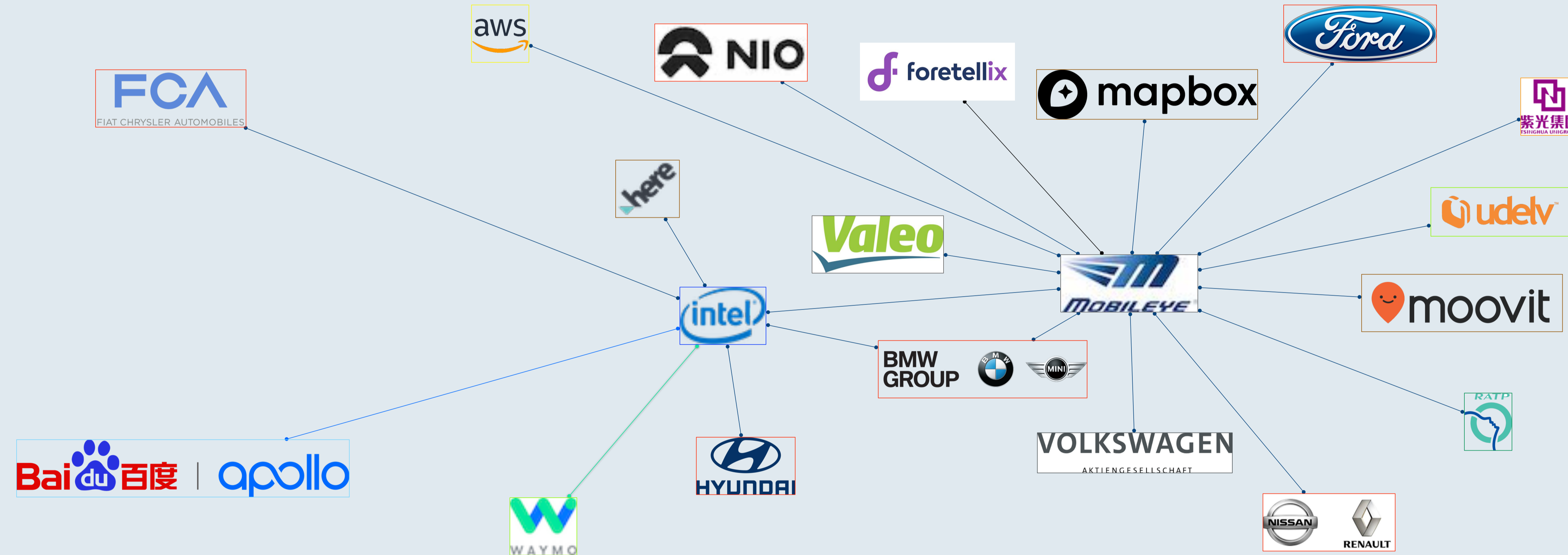
**Framing**

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
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<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs
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	 Sensors
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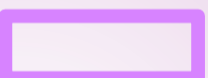




## Autonomous Driving Network Q2/21 - INTEL





**Lines**

-  Partnership / cooperation
-  Acquisition

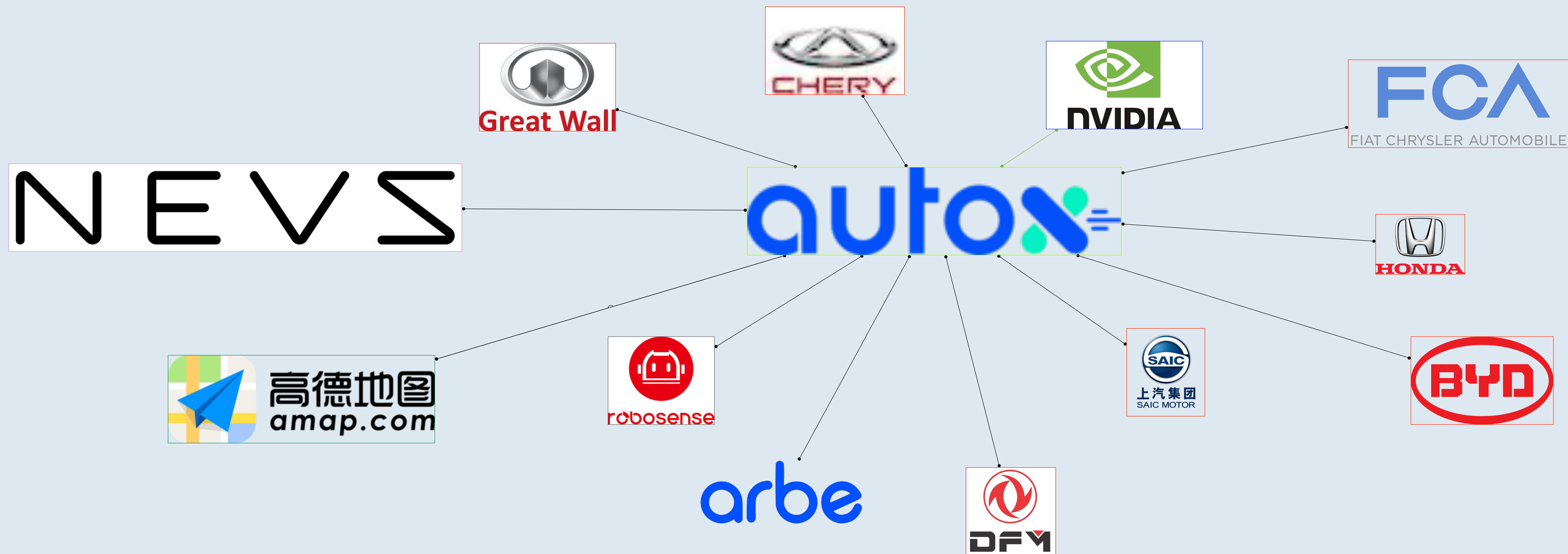
**Framing**

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
	 Field infrastructure
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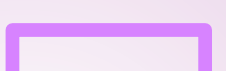




## Autonomous Driving Network Q2/21 - AUTOX





**Lines**

-  Partnership / cooperation
-  Acquisition

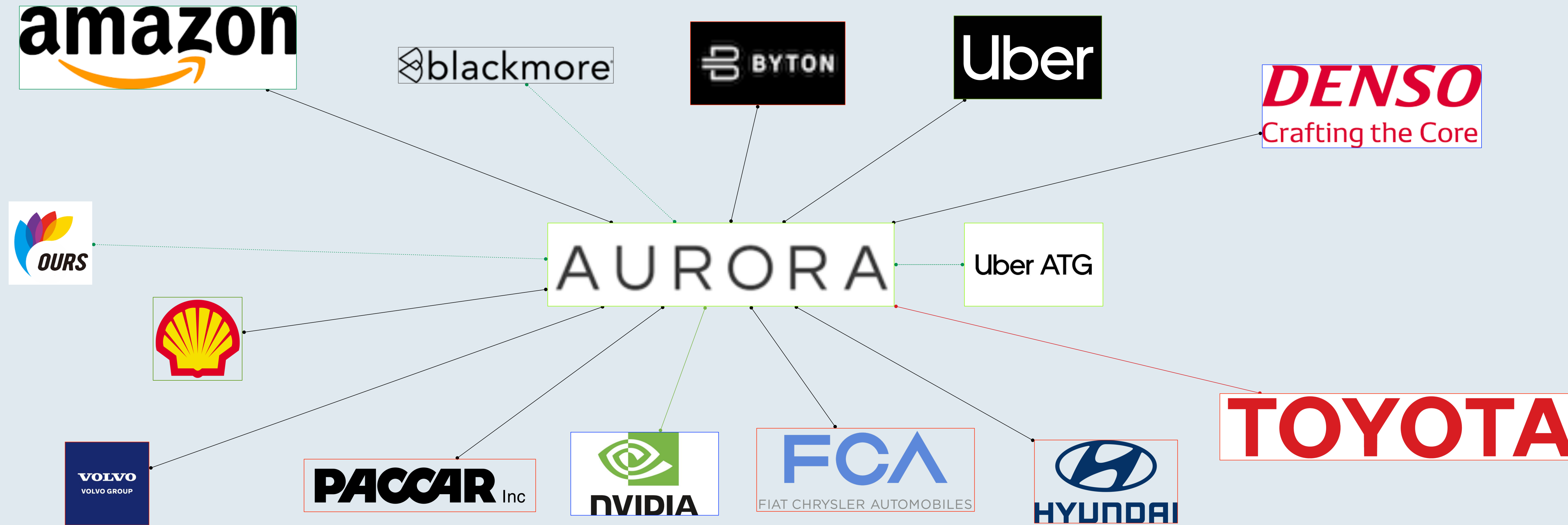
**Framing**

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
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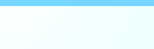






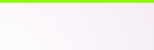

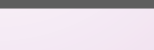

## Autonomous Driving Network Q2/21 - AURORA



**Lines**

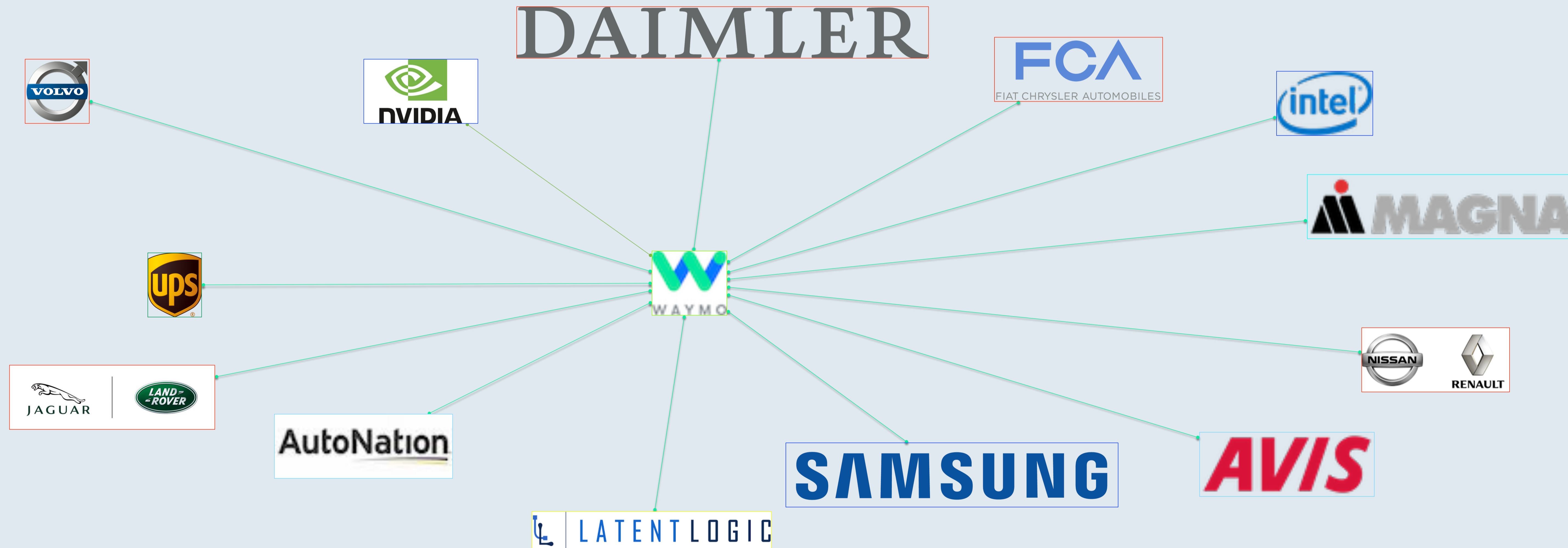
-  Partnership / cooperation
-  Acquisition

**Framing**



<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
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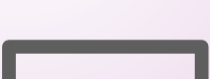

## Autonomous Driving Network Q2/21 - WAYMO



**Lines**

-  Partnership / cooperation
-  Acquisition

**Framing**

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
	 Field infrastructure
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<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs
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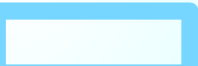








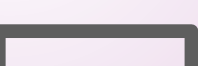

## Autonomous Driving Network Q2/21 - AMAZON





**Lines**


































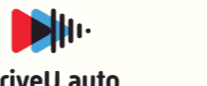









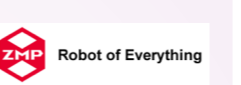

























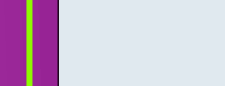
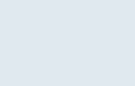









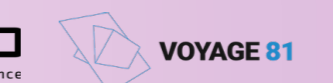





























-  Partnership / cooperation
-  Acquisition

**Framing**

<b>Layer 5: Users and partner network</b>	 Demand creation
	 Ecosystem companies and initiatives
<b>Layer 4: Platform intelligence and services</b>	 Fleet management software
<b>Layer 3: Fleet control and operations</b>	 Teleoperations
	 Field infrastructure
<b>Layer 2: HD Mapping and location</b>	 Mapping and location
<b>Layer 1: Self driving vehicles and systems</b>	 Automotive OEMs
	 Specialty vehicle / system integrators
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### Autonomous Driving Network Q2/21 - Interesting to watch

Layer 5: Users and partner network	Demand creation	    
	Ecosystem companies and initiatives	           
Layer 4: Platform intelligence and services	Flee management software	     
	In-cabin technology	  
Layer 3: Fleet control and operations	Field infrastructure / curb management	 
	Teleoperations	     
Layer 2: HD Mapping and location	Mapping and location	     
Layer 1: Self driving vehicles and systems	Vehicle manufacturers / integrators	           
	Self driving system providers	                  
	Connectivity and computing	             
	Sensors	          
	Data and simulation	             

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Augustin Friedel   

