Evolution of E-Mobility and the associated transformation of an Agile medium-sized Company

DR. CLAUDIA STERN













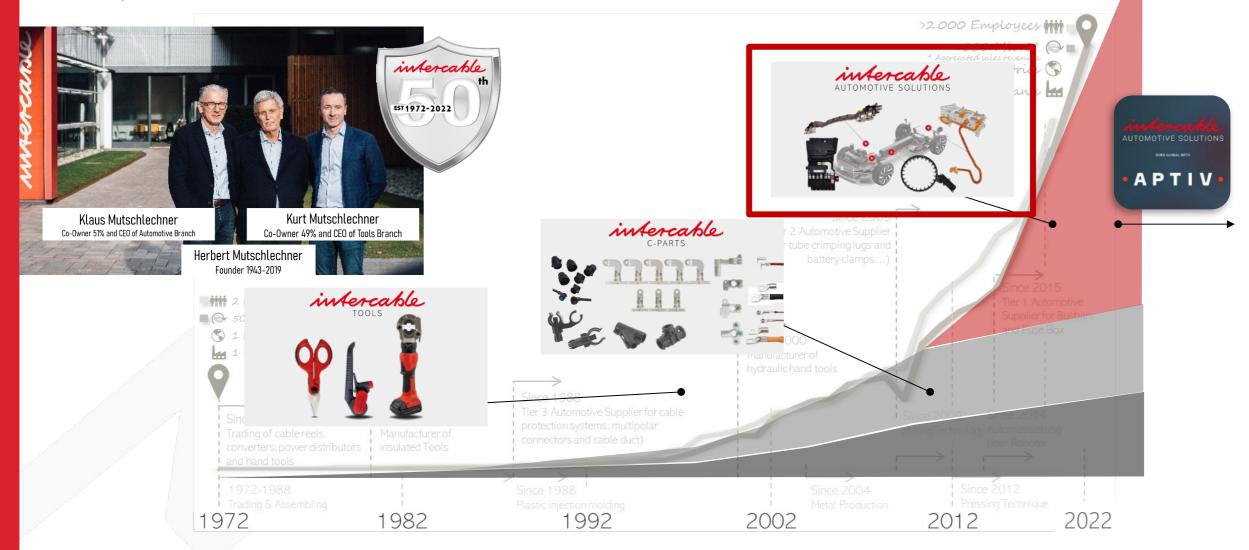








Intercable Automotive Solutions is a spin-off of the Mutschlechner Entrepreneurial Group, which created and developed the diversified Intercable Group through 50 development and multi-sector industry leadership



Signal & Power Solutions (S&PS)

LEADER IN FULL SYSTEMS AND AUTOMOTIVE GRADE COMPONENTS FOR LOW AND HIGH VOLTAGE DISTRIBUTION WITH GLOBAL DESIGN, OPTIMIZATION, INTEGRATION AND MANUFACTURING CAPABILITIES



170,000+
EMPLOYEES
GLOBALLY

10,000+
ENGINEERS
& TECHNICIANS

ELECTRICAL DISTRIBUTION SYSTEMS

- Power wiring & data caloles
- High voltage distribution

E/EA Optimization

\$**11.6**B 2021 Revenue

VEHICLE ELECTRIFICATION SYSTEMS

- High Voltage Cables & Bus Bars
- High Voltage Connectors
- Charging Inlets

ENGINEERED COMPONENTS

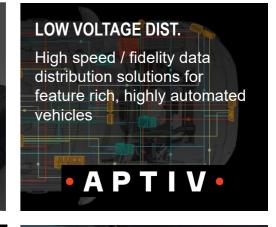
- Connectors & Terminals
- Cable Management

 Electrical centers









HELLERMANNTYTON

Leading global manufacturer of high-performance and innovative cable management solutions

HellermannTyton



Source: Intercable Automotive Solutions

Intercable Automotive Solution's Industrial Footprint (data from 2023)

Plant Features



Hi-Tech Plant & HQ

Central EU (Bruneck)

- Global Headquarters
- Global R&D Technology Center
- Global Advanced Quality Labs
- Flex-Factory (from small to high Series Volumes)
- max Vertical Integration (all technologies in place for R&D / Prototyping)



Hi-Tech Plant
Mexico (Saltillo)

- Mexican Plant specialized in Production of Busbar and HV Connection Systems
- Medium and High-Volumes



- East-EU Production Plant specialized in Production of Busbar and HV Connection Systems
- Medium and High-Volumes



Hi-Tech Plant
Asia (Ningbo)

- Asian Production Plant incl. R&D Technology Center for Asia
- Flex-Factory (from small to high Series Volumes)

Plant Footprint

People Facilities

 $800 + ^{FTE} \\ 40.000 \text{ m}^{2}$



40^{FTE} 3.000 m²



900+ FTE 14.000 m²



170 FTE 9.000 m²

Plant Portrait









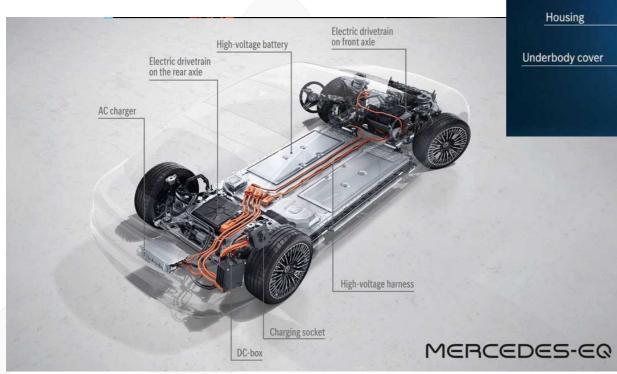


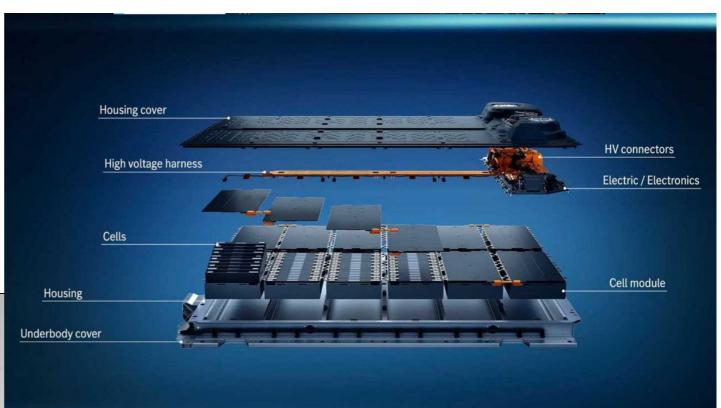




Source: Intercable Automotive Solutions

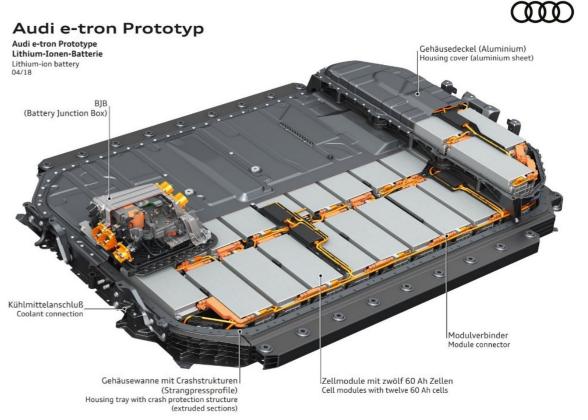
Mercedes EQ Technology





Audi e-tron Technology





Audi e-tron Technology



BMW i Technology

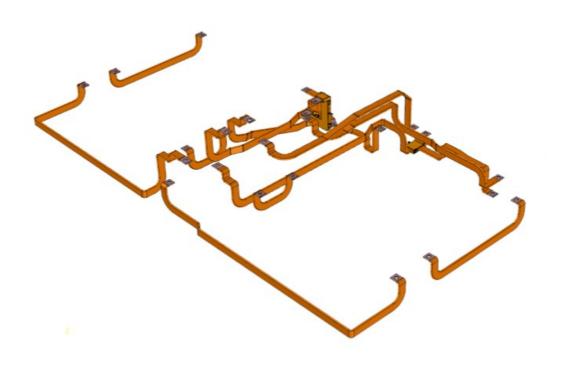




Peugot e 208 Technology

busbars for JRL (battery from CATL)

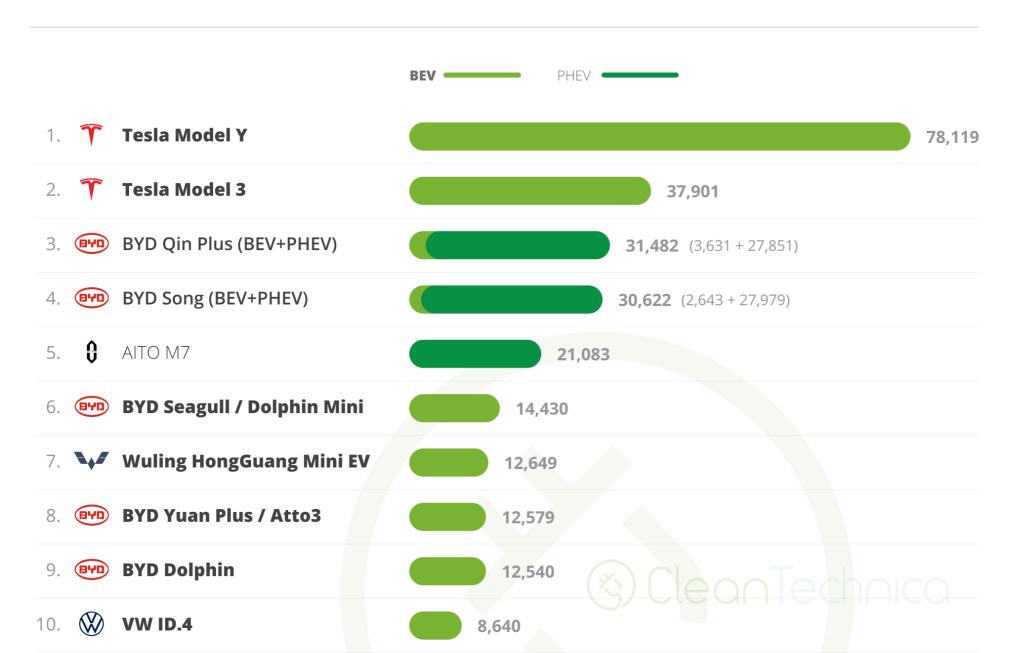




Tesla Battery Technology









2. Analyst insights

Furonean Ton 4

Tesla Model Y remains on top, while domestic brands claim second place

Top BEV models in Q1 2024 (sales volume ranking Q1 2024 ↑↓ vs. FY 2023)

5,143

New

	European 10p 4			
	Model	Sales Q1 2024		
	Tesla Model Y	21,403 → 0		
	Peugeot E-208	11,092		
0	Tesla Model 3	9,763 ↓ 1		
(4)	Fiat 500e	8,344 V 1		
⑤	MG 4	6,472 1		
6	Renault Megane Electric	5,699 1		
7	BMW iX1	5,484		
®	Skoda Enyaq	5,340 1		
9	Dacia Spring	5,324 ↓ 5		

USA

Model	Sales Q1 2024		
Tesla Model Y	96,729 → 0		
Tesla Model 3	30,842 → 0		
Ford Mustang Mach-E	9,589 1		
Rivian R1S	8,017 1 3		
Ford F-150 Lightning	7,743 1 3		
Chevrolet Bolt EV/EUV	7,040 \(\sqrt{3}\)		
Hyundai IONIQ 5	6,822 ↓ 1		
Volkswagen ID.4	6,167 ↓ 3		
Cadillac Lyric	5,800 New		
Tesla Model X	5,607 V 1		

China



Model	Sales Q1 2024		
Tesla Model Y	100,366 → 0		
BYD Seagull	70,319		
BYD Yuan Plus	46,992 ↓ 1		
Wuling Hongguang Mini EV	44,215 1		
BYD Dolphin	38,271		
BYD Qin Plus EV	34,887 New		
Changan Lumin	32,112		
Tesla Model 3	32,054 1		
Wuling Bingo	31,152 41		
Aion S	29,754 🗸 3		

Volvo EX30

Best selling EV models-Sedan (Jan-Mar 2023)

Nr.	OEM	Vehicle	Sales	Price range (k€)
1	BYD	Qin	87,955	17~23
2	SGMW	HG Mini	69,842	4.2~13.12
3	BYD	Dolphin	67,951	15.35~17.95
4	AION	AION S	48,310	18.37~23.62
5	TESLA	Model 3	42,310	30.18~43.3
6	BYD	Han	37,817	27.55~43.56
7	ChangAn	Lumin	24,033	6.56~9.18
8	BYD	Seal	19,573	15.35~17.97
9	DEEPAL	SL03	18,808	22.57~91.84
10	NIO	ET5	18,703	43.03~50.64
11	GEELY	Panda Mini	17,211	5.25~7.48
12	BYD	Destroyer 05	13,752	13.36~20.7
13	Hongqi	E-QM5	12,310	16.11~31.49
14	BAIC	EU	10,389	17.06~22.57
15	Chery	QQ ice-cream	9,821	4.72~7.54































In the competition for the future, suppliers must address three questions:

