

Nidec Strategy of E-Axle

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EV Comparison of the Three Major Japanese Automobile Manufacturers

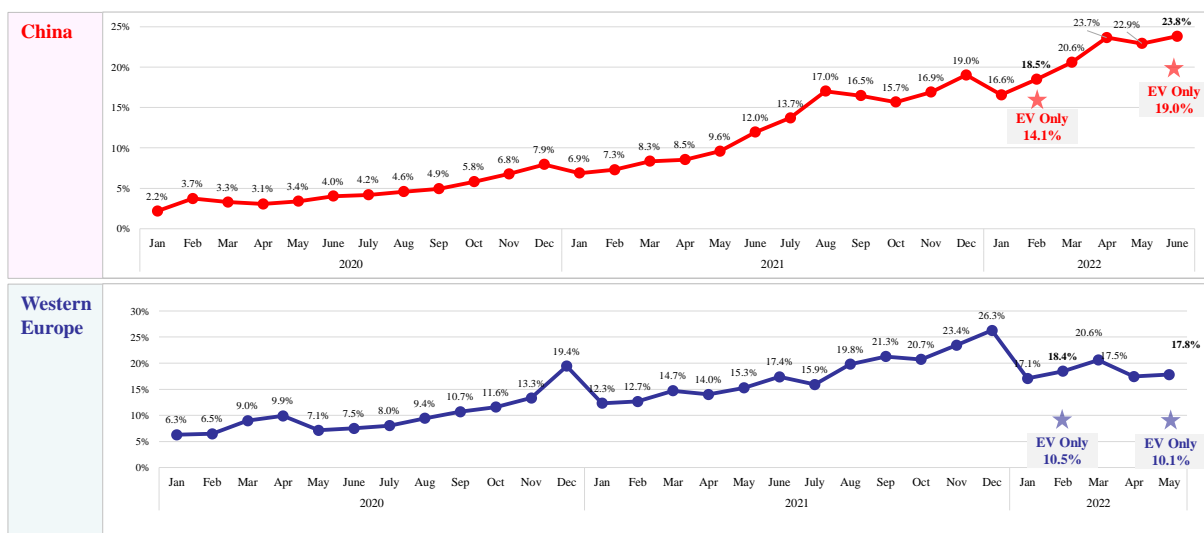
Demands for affordable EVs is quite high, considering Nissan's compact cars with low battery capacity and affordable price are overwhelming others.

	HONDA	TOYOTA	NISSAN
Exterior			
Release date	October 30, 2020	May 12, 2022	June 16, 2022
Model Name/Segment	Honda e/B Seg	bZ4X Lease Only/D-SUV	SAKURA/A SEG
Price (10,000 yen)	451~	600 ~ (Reference Price)	240~
Battery capacity (kWh)	35.5	71.4	20
Running distance on one charge(km)	283	559	180
Shipping volume (Japan only) As of the end of June 2022	1,388 units	83 units	17,000 units (orders received)

(Nidec's estimates based on various sources including Marklines, each OEM's website.)

Share of New Energy Vehicle (EV + PHV) sales in China and Western Europe

New energy vehicle sale has been prioritized even under the lockdown and the chronic shortage of semiconductors.



(Source: Estimated based on Marklines)

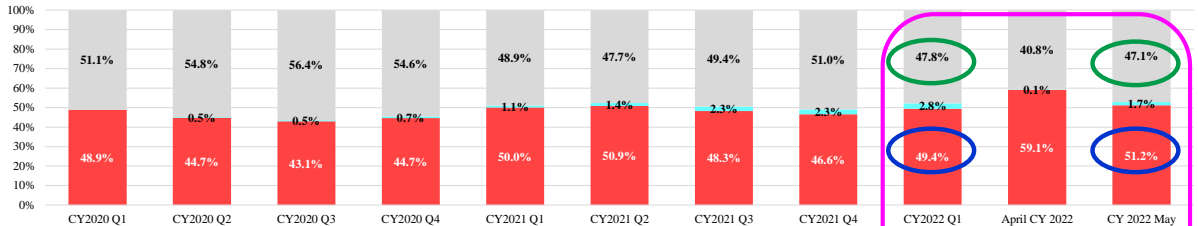
Market Share of China Locals vs. Tesla vs. Joint Ventures

JV
Tesla
China Local

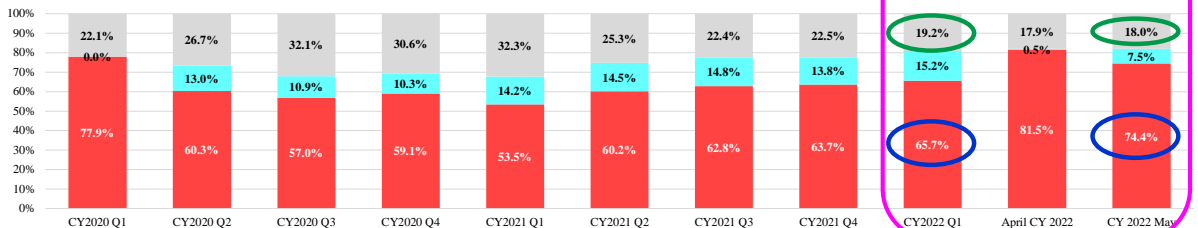


China locals gained the most share generated due to Tesla Shanghai Factory shutdown

Number of new vehicles sold



Number of New Energy Vehicles (EV + PHV) sold



(Source: Marklines)

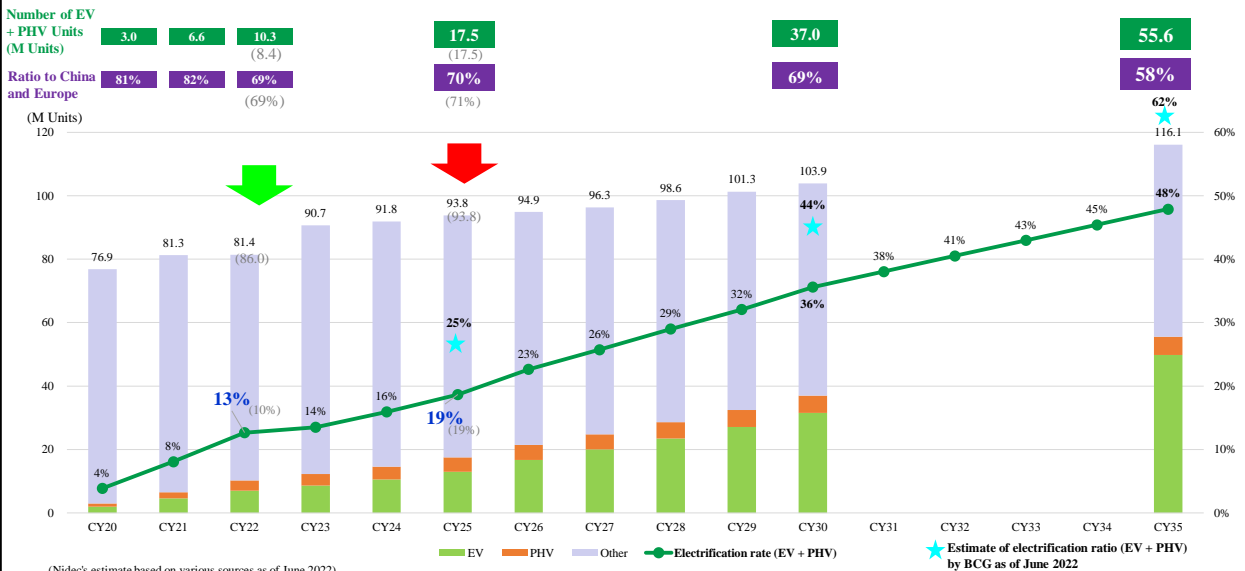
Hongguang MINI launched in July 2020

Total Demand Forecast - Automobiles

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Focus on China and Western Europe and expand global market share!



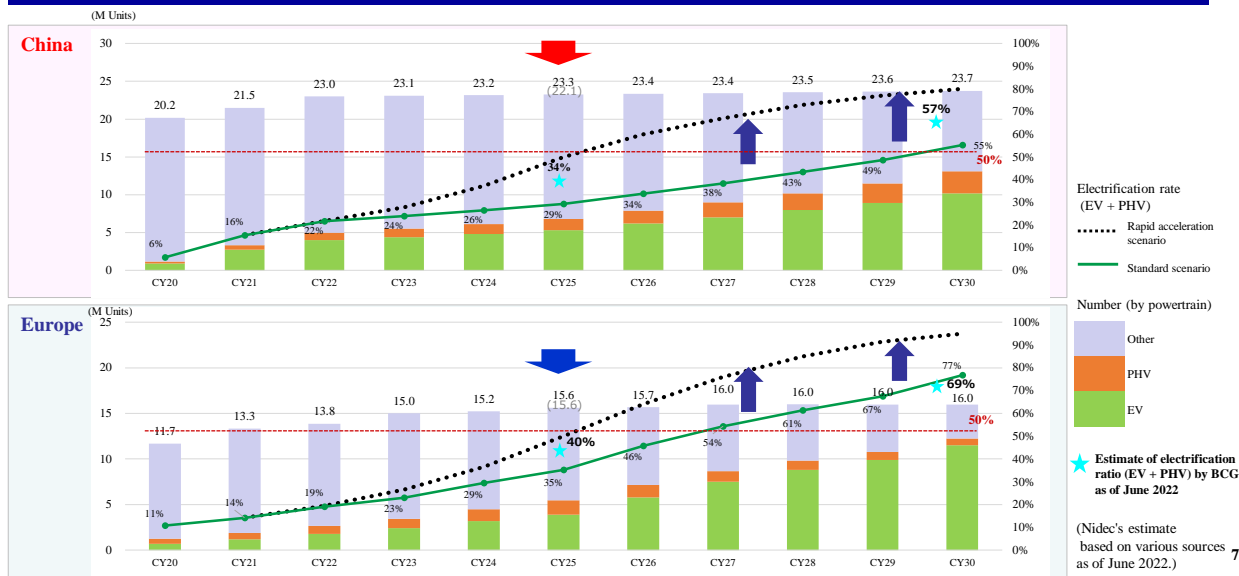
(Nidec's estimate based on various sources as of June 2022)

★ Estimate of electrification ratio (EV + PHV) by BCG as of June 2022

Market share forecast for new energy vehicles (EV + PHV) in China and Europe

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China and Europe, major markets, are accelerating electrification.



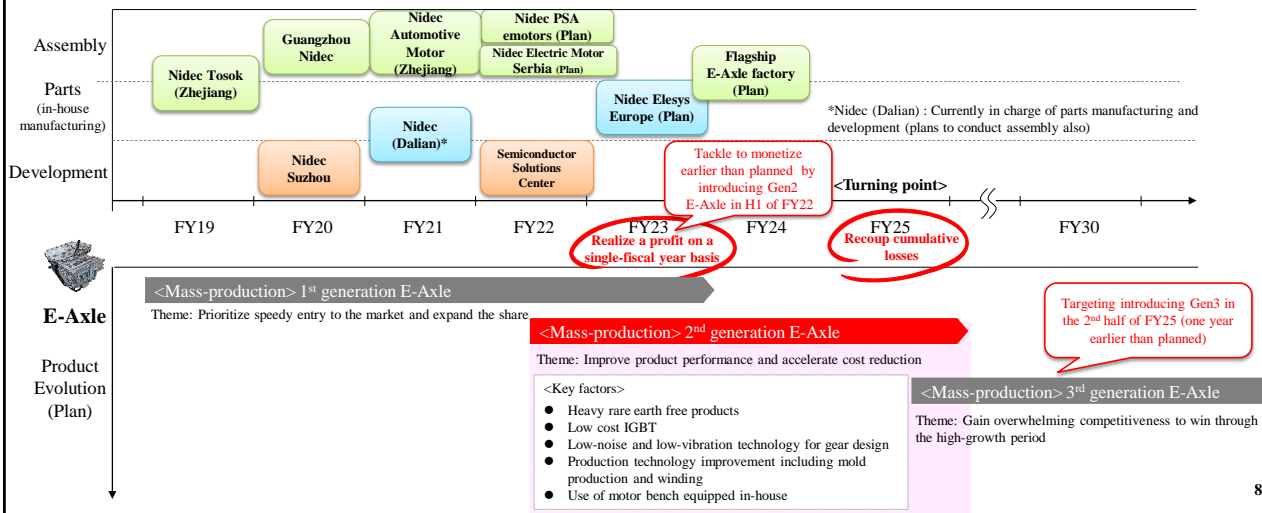
Automotive: Road Map to E-Axle Business Monetization

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✓ Introducing Gen 2 E-Axle within 1st half of FY22

✓ E-Axle business is steadily making its progress to be profitable in FY23 on a single-year basis

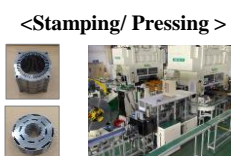
<Launching years of operation of major production facilities and R&D centers for EV traction motors >



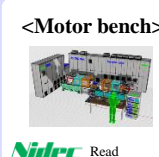
Automotive: Strength in E-Axle Production (Vertical Integration)

Manufacture main components and equipment in-house based on production know-how brought together in the Nidec group

<Examples of in-house manufactured parts>



<Examples of in-house equipment>



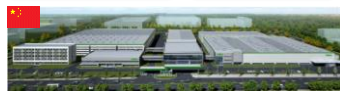
Automotive: Plan for Increasing E-Axle Production Capacity

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Nidec's flagship factory fully dedicated to E-Axle production from parts manufacturing to assembling



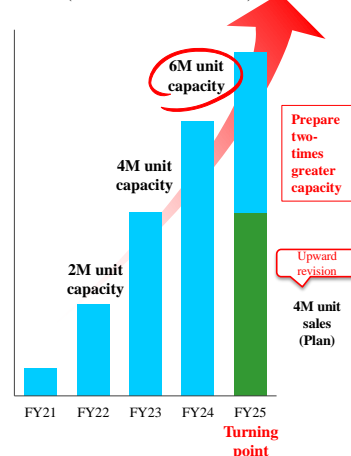
Products: E-Axle, inverter, gear, etc.
Annual production capacity: One million units



Planning the 8th, 9th, 10th new global production sites

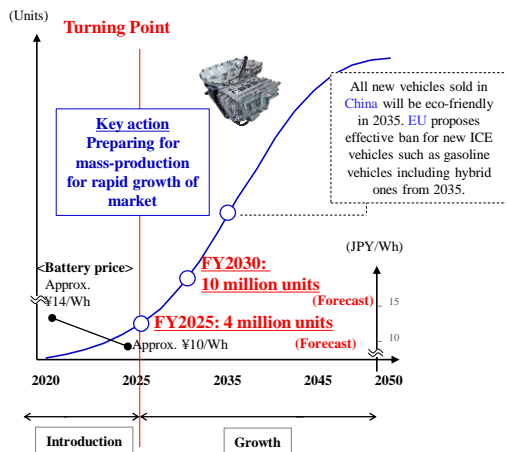
< E-Axle production capacity plan >

(On an annual unit basis)

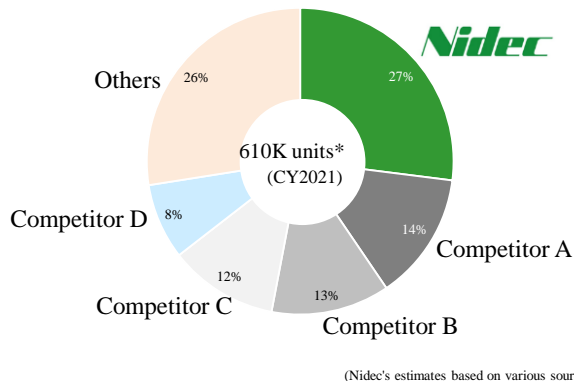


Nidec ranked No.1 third party supplier of E-Axle in the Chinese BEV market

<Nidec's E-Axle shipment forecast>



<Market share of third party E-Axle supplier in China >



(Nidec's estimates based on various sources.)

*2.91M BEVs were sold in China in CY21, of which we assume 1.45M BEVs were installed with E-Axles. We estimate 840K E-Axles were manufactured in-house by OEMs and 610K E-Axles were supplied by third-party suppliers.

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