

Nissan investing in electric vehicles, battery development

29 November 2021, by Yuri Kageyama



In this photo provided by Nissan Motor Co., Chief Executive Makoto Uchida, right, and COO Ashwani Gupta, left, pose with a Nissan Chill-Out concept car on Nov. 27, 2021. Nissan said Monday, Nov. 29, 2021, it is investing 2 trillion yen (\$17.6 billion) over the next five years and developing a cheaper, more powerful battery to boost its electric vehicle lineup. Credit: Nissan Motor Co. via AP

Nissan said Monday it is investing 2 trillion yen (\$17.6 billion) over the next five years and developing a cheaper, more powerful battery to boost its electric vehicle lineup.

The Japanese automaker's chief executive, Makoto Uchida, said 15 new [electric vehicles](#) will be available by fiscal 2030. Nissan Motor Co. is aiming for a 50% "electrification" of the company's model lineup, under what Uchida called the "Nissan Ambition 2030" long-term plan. Electrified vehicles include hybrids and other kinds of environmentally friendly models other than just electric vehicles.

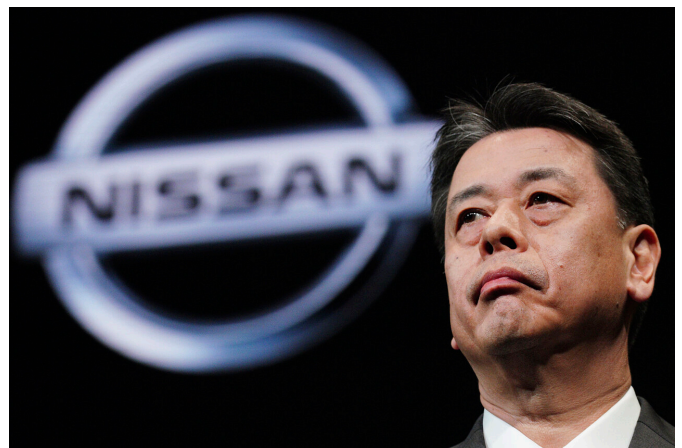
The effort is focused mainly on electric vehicles to cut emissions and meet various customers' needs, said Uchida. Nissan also will reduce carbon

emissions at its factories, he added.

The company has been struggling to put the scandal of its former Chairman Carlos Ghosn behind it. Ghosn, who led Nissan for two decades, after he was sent to Japan by French alliance partner Renault, was arrested in Tokyo in 2018 on various financial misconduct charges.

Uchida made no mention of the scandal but referred to "past mistakes" he promised won't be repeated at Nissan.

Nissan's "electrification" rests on developing a new ASSB, or all solid state battery, that it categorized as "a breakthrough" for being cheaper and generating more power than batteries now in use.



Nissan Chief Executive Makoto Uchida speaks during a press conference in the automaker's headquarters in Yokohama, near Tokyo on Dec. 2, 2019. Nissan is investing 2 trillion yen (\$17.6 billion) over the next five years and developing a cheaper, more powerful battery to boost its electric vehicle lineup, the Japanese automaker said Monday. Credit: AP Photo/Eugene Hoshiko, File

That means electric powertrains can be more easily used in trucks, vans and other heavier vehicles because the batteries can be smaller. The ASSB will be in [mass production](#) by 2028, according to Nissan.

The costs of electric vehicles will also fall thanks to the battery innovation to levels comparable with regular gasoline cars, Uchida said.

"Nissan has emerged from a crisis and is ready to make a new start," he said.

All top automakers, including Nissan's Japanese rival Toyota Motor Corp., are working on electric vehicles, amid growing concern over climate change and sustainability. Global consumers are also demanding more [safety features](#).

Uchida said Nissan was hiring 3,000 engineers to strengthen its research, including digital technology for vehicles.

Nissan, based in Yokohama, Japan, has suffered recently from the computer chips shortage that's slammed all automakers because of lockdowns and other measures at chip factories to combat the coronavirus pandemic.

The maker of the Infiniti luxury models, Leaf electric [vehicle](#) and Z sportscar is projecting a return to profitability for the fiscal year through March 2022 after racking up two straight years of losses.

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