



## PRESS RELEASE - MAZDA MOTOR EUROPE

# Mazda Introduces G-Vectoring Control Plus (GVC Plus)

- GVC Plus uses brake support for further enhanced handling stability
- The All-New Mazda3 is the first European model featuring GVC Plus

**Leverkusen, 19 February 2019.** Mazda added G-Vectoring Control Plus (GVC Plus) to the Skyactiv-Vehicle Dynamics package<sup>1</sup>. GVC Plus is the second generation of Mazda's vehicle dynamics control technology.

Building on the smooth and efficient vehicle behaviour delivered by GVC, GVC Plus adds direct yaw moment control via the brakes.

When cornering, GVC Plus lightly applies brake force to the outer wheels as the steering wheel is returned to the centre position. This provides a recovery moment that restores the vehicle to straight-line running and achieves greater stability.

This enables the car to better handle emergency avoidance manoeuvres and offers more confidence-inspiring controllability in various situations, including high-speed lane changes and driving on slippery roads.

The first European Mazda model using the new GVC Plus technology is the All-New Mazda3. The second generation of Mazda's vehicle dynamics control technology will be continuously introduced to further models.

The first generation of G-Vectoring Control was the world's first control system to vary engine torque in response to steering inputs in order to provide integrated control of lateral and longitudinal acceleration forces and optimize the vertical load on each wheel for smooth and efficient vehicle motion.<sup>2</sup>

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<sup>1</sup> The Skyactiv-Vehicle Dynamics package provides integrated control of the engine, transmission, chassis and body to enhance Mazda's unique Jinba Ittai driving experience.

<sup>2</sup> As of June 2016 (production models, based on Mazda's research)