Cerence 2-Wheeler

Advancing the two-wheeler experience through the power of voice
Intelligent voice assistants improve safety and productivity for riders

As consumers look for increasingly green and safe transportation choices, especially in the wake of Covid-19, the adoption of motorcycles, mopeds and e-bikes is on the rise. In fact, it's expected that more than 261 million two-wheelers will be produced between 2020 and 2024 (Daedal Research, August 2020). In addition, the need to use a smartphone when riding is a trend for two-wheeler riders worldwide (Bosch, 2016).

The growth of this global market and the need for riders to access information and services presents an opportunity to elevate the two-wheeler rider's experience. With two decades of experience mastering conversational AI for the automotive market, Cerence can now enable two-wheeler OEMs to raise the bar for their offerings with the Cerence 2-Wheeler Mobility Platform.

The Cerence 2-Wheeler Mobility Platform enables intuitive control over navigation, music, media, local settings, and smart home devices, without riders taking their hands off the handlebars or eyes off the road. With context-powered Smart Recommendations, the rider can acquire essential information proactively from vehicle sensors and cloud information in order to optimize their trip in advance. This brings many of the intelligent features of today's cars to motorcycles, mopeds, and e-bikes, not only improving the experience on the road, but also safety and productivity.

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RIDER BENEFITS

Safer ride
Voice AI allows the rider's hands stay the handlebars for a distraction-free experience while staying connected.

High performance communications
Two-wheeler rides can be noisy, but the automotive grade speech signal enhancement (SSE) and beamforming technology removes noise from the audio signal captured for wakeup-word and speech recognition with on-board microphone or Bluetooth headset.

On-the-go applications
Access everything from navigation and weather to ride planning, vehicle tracking, and service reminders, with context-aware Smart Recommendations covering the entire journey.

OEM BENEFITS

One-step voice AI integration
The Cerence 2-Wheeler Mobility Platform is compatible with both Android and iOS and can be embedded on both a smartphone and the vehicle dashboard. Our pre-integrated Voice AI SDK with experienced professional service guarantee the least development effort from the OEM, resulting in fast time to market.

Global language support
With more than 20 years of voice experiences in 50+ countries, Cerence offers two-wheeler OEMs support for a plethora of languages to deploy their products worldwide.

Versatile and secured cloud service
Cerence offers GDPR-compliant, on-demand services including AI-driven data analytics, personalized recommendations, and device and software updates OTA.

AI for a World in Motion

cerence®