

Sensata Technologies Announces Strategic Collaboration with NIRA Dynamics to Develop Tire Tread Depth Monitor Solution

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- Sensata's new tire Tread Depth Monitoring (TDM) solution, powered by NIRA Dynamics' tread wear estimation software, provides vehicle OEMs, drivers and fleets with timely alerts when tires have worn to unsafe levels and need servicing.
- The software-based TDM system can be integrated into existing Electronic Control Units (ECU), allowing vehicle manufacturers to quickly implement the solution across platforms without the need for custom software development.

SWINDON, United Kingdom--(BUSINESS WIRE)-- **Sensata Technologies** (NYSE: ST), today announced a new collaboration with NIRA Dynamics AB to deliver an accurate and robust tire **Tread Depth Monitoring (TDM) 'virtual sensor' system** for automotive OEMs that optimizes tire health and improves vehicle safety, efficiency and uptime. The TDM solution, powered by NIRA Dynamics' tread wear estimation software, is designed to give vehicle OEMs, drivers and fleets timely alerts when tires have worn to unsafe levels and need servicing.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20220316005611/en/>

Sensata Technologies today announced a new collaboration with NIRA Dynamics AB to deliver an accurate and robust tire Tread Depth Monitoring (TDM) 'virtual sensor' system for automotive OEMs that optimizes tire health and improves vehicle safety, efficiency, and uptime. (Photo: Business Wire)

Combining Sensata Technologies' expertise in automotive sensors with NIRA Dynamics' proficiency in developing embedded software

and cloud services, the TDM solution adds new safety and maintenance capabilities to Sensata's existing market-

leading tire safety products.

The virtual sensor system is a new, innovative technology that gathers and combines data from multiple existing sensors on a vehicle, including Sensata's tire pressure sensors, to provide accurate information about tire wear and tear.

This software-based system uses a complex algorithm that monitors the tire tread's decreasing depth, while compensating for a wide range of real-world environmental challenges. The system tracks tires through changes and rotations and provides a more comprehensive solution than just measuring the distance travelled.

The virtual TDM can be integrated into existing Electronic Control Units (ECU) and is designed to work with many combinations of tire and vehicle designs. Vehicle manufacturers can quickly introduce and implement the solution across vehicle platforms without the need for custom software development.

Eric Sorret, Vice President of Automotive at Sensata technologies said, "We're excited to collaborate with NIRA Dynamics on new technology for the automotive industry. Sensata has developed tire technologies for more than 20 years, and we believe that this new virtual sensor builds on this experience and takes it to the next level. Using and analyzing data already being captured by other sensors, this solution provides accurate and useful information to our customers."

Lisa Åbom, CEO at NIRA Dynamics, shared, "The cooperation between NIRA and Sensata is a perfect match. By combining our decades of experience in vehicle data cloud services with Sensata's Tire Pressure Monitoring System, infrastructure, and extensive customer base, we can offer vehicle manufacturers additional insights and information for customers without the need to fit additional hardware on the vehicle. This solution will improve safety, creating more driver awareness about the quality of their tires to decrease the number of tire-related accidents."

To learn more about Sensata's Tire Tread Depth Monitoring solution for vehicle OEMs, please visit www2.sensata.com/tire-tdm.

About Sensata Technologies

Sensata Technologies is a global industrial technology company striving to create a cleaner, more efficient, electrified and connected world. Through its broad portfolio of sensors, electrical protection components and sensor-rich solutions which create valuable business insights, Sensata helps its customers address increasingly complex engineering and operating performance requirements. With more than 21,000 employees and global operations in 13 countries, Sensata serves customers in the automotive, heavy vehicle & off-road, industrial, and aerospace markets. Learn more at www.sensata.com and follow Sensata on [LinkedIn](#), [Facebook](#) and [Twitter](#).

About NIRA Dynamics AB

NIRA Dynamics, established 2001 with main office in Linköping/Sweden, is specialized in sensor fusion and vehicle data cloud services. NIRA develops cost efficient safety and navigation solutions for the global vehicle industry, as well as big data services for the road maintenance industry. Among the customers are Audi, Volkswagen, Honda, Volvo, Trafikverket and Rijkswaterstaat. To learn more about NIRA, visit: www.niradynamics.se.

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