

PAVING THE WAY WITH SMART TRANSPORTATION

interface
FORCE MEASUREMENT SOLUTIONS.

Smart transportation is the integration of advanced technologies and innovative solutions to improve the efficiency, safety, and sustainability of public transportation systems. Smart transportation aims to optimize traffic management, enhance safety measures, reduce congestion, and minimize environmental impact. This includes the application of Interface's force sensor technologies into testing and monitoring intelligent traffic management systems, EVs and autonomous vehicles. The adoption of smart transportation solutions is the future to how we travel, making our journeys more eco-friendly.

Interface's sensor technologies play a vital role in growing advancements in urban projects like smart transportation aiming to reduce greenhouse gas emissions, and for increasing demand for technology integration in traffic control systems. Interface load cells, miniature load cells, multi-axis sensors, torque transducers, instrumentation are products used for test and measurement in the smart transportation sector.

Interface's load cells and instrumentation solutions are utilized in the introduction and growth of autonomous vehicles, increased expenditures on smart city initiatives, and the expansion of smart mobility as a service. Interface offers a range of test and measurement solutions that supports the design, engineering, testing, production, and safety monitoring for smart transportation.

The smart transportation market size was valued at **\$110.53 billion in 2022** and is expected to expand at a compound annual growth rate (CAGR) of **13.0% from 2023 to 2030**.

Smart transportation can improve traffic management, boost safety, lessen maintenance costs, and enable more efficient use of transportation networks in cities and urban environments.



Smart transportation systems are likely to have significant growth in increased acceptance and usage of IoT-based technology, and the expansion of 5G-based connectivity, making smart transportation infrastructure easier to execute around the world.

