

# **Road simulator on rotating rollers for real fatigue testing of mechanical components in buses, trucks and trailers**

*"A highly efficient solution was created for deterministic performance, redundant security and low installation and maintenance costs."*

- Stefano Vianelli, EURINS

## **The challenge:**

Realize the entire automation and data acquisition system for a test system capable of subjecting heavy vehicles to real heavy work situations to study their mechanical problems.

## **The solution:**

Develop an architecture based on an NI PXI Real-Time node, three NI CompactRIO nodes and a computer with OS Windows to distribute measurements, calculations and implementations at strategic points of the system, minimizing cabling and locating intelligence.