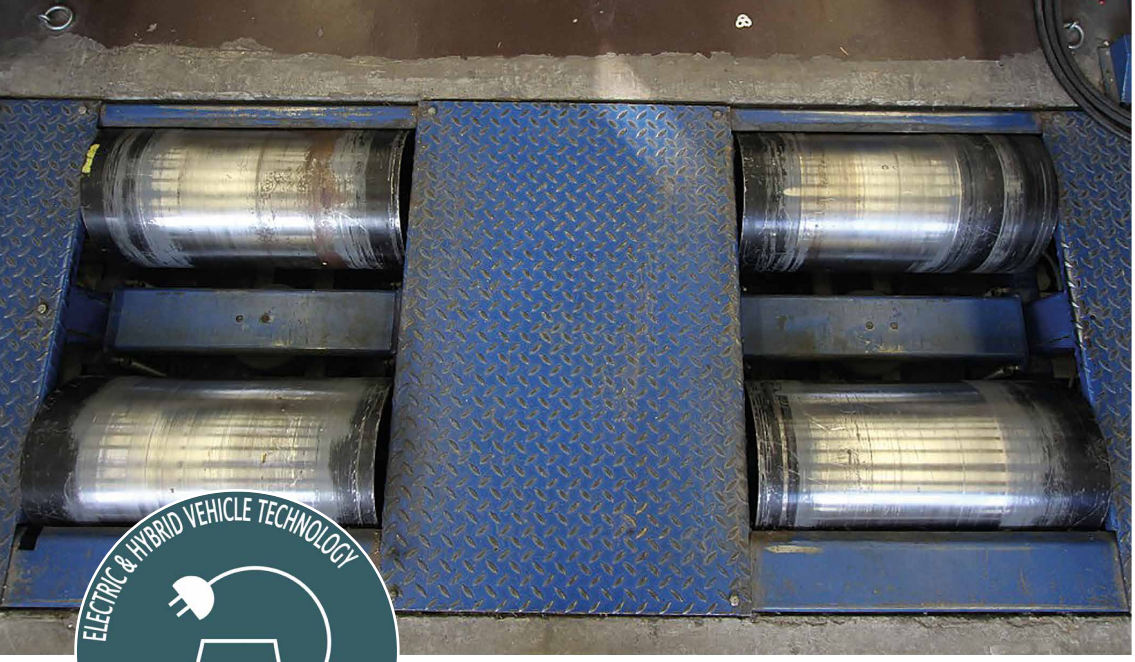

ELECTRIC & HYBRID VEHICLE TECHNOLOGY

ELECTRIC & HYBRID POWERTRAINS

EXPERTISE IN CLEAN AND ENERGY-EFFICIENT VEHICLES

The assessment, design and optimisation of electric and hybrid powertrains represent a major pillar of MOBI's expertise in the field of clean and energy-efficient vehicles. Our dedicated test infrastructure and simulation platform have proven to be essential assets in various collaborative projects with industry partners, reinforcing our leading position in the field of electromobility.

POWERTRAIN TESTING

- Vehicle dyno-roll bench
- 2 Versatile mobile data-acquisition systems for on-road testing of vehicles (CompactRio)
- Large data base on real-life measurements from 200 GPS-based vehicle data-loggers
- Datron speed measurement device
- 2 Electric Vehicles (Nissan Leaf and BMW i3-Rex)
- 2 Plug-in Hybrid Electric Vehicles (Volvo V60 and Mitsubishi Outlander)
- 4 e-Karts
- 1 Formula Race Electric Car

DESIGN AND OPTIMISATION

We have developed a highly-advanced simulation platform which allows for the detailed analysis and control of new electric and hybrid powertrain concepts and their dynamic behaviour. Our simulation tools facilitate the modelling of electric and hybrid propulsion systems in a wide variety of applications.

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