

Public Road SIMULATION

DURABILITY • RELIABILITY • TRACK FACILITIES • REPEATABILITY

- Controlled repeatable test environment
- Confidential site
- Safe operation
- Full emissions analysis capability on site
- World class tracks available

Millbrook's world class track and laboratory facilities are now available to provide Public Road Simulation vehicle testing. Millbrook's site provides a large secluded area with 80km of private roads reproducing all types of public roads from highspeed autobahn/motorway allowing speeds in excess of national speed limits to inner city conditions.

Public Road Simulation is run to simple non-accelerated schedules simulating public road usage. Proving ground operation brings many advantages to the customer in a true win-win situation.

Millbrook's road systems significantly reduce the risk of personnel and vehicle accidents. All Millbrook's drivers and test engineers are professionals, and receive regular driver skills and safety training. The road systems are predominantly unidirectional and traffic densities are low, and the excellent layout, combined with stringent control procedures, contribute further to low risk operation.

Millbrook operates 24 hours a day, 7 days a week. This method of operation, together with the availability on site of comprehensive vehicle workshops and full emission test facilities ensure maximum compression of mileage accumulation and time to meet aggressive programme management schedules. The low traffic density also improves productivity as there are no traffic jams to impede vehicle test progress, however if traffic is what you require we can arrange this for your specific test requirements. Millbrook is located geographically in an area of the UK that is mild throughout the year with little interruption to vehicle operation from fog, ice or snow. In the relatively rare event of ice or snow, Millbrook is fully equipped for winter road maintenance.

Millbrook works with many automotive OEMs and suppliers and is used to maintaining high levels of confidentiality with regard to both the styling and technical features of test vehicles. Millbrook is of course very suitable for running visually sensitive vehicles.

Public Road Simulation tests running on Millbrook's tracks are highly repeatable. With tightly controlled driving conditions test data can be interpreted with a much higher degree of confidence than data from ordinary road operation. As a result it may be possible to reduce the number of test vehicles to produce statistically repeatable results, with significant cost saving potential.

In addition to all these benefits, Public Road Simulation testing at Millbrook provides other opportunities to save costs. Whilst vehicles must be roadworthy and safe to operate, they do not necessarily need to be road legal. It is not necessary to have road tax or vehicle insurance as is required for the public highway. Under certain conditions it is possible to run the test vehicle using tax free diesel which offers considerable cost savings for high mileage tests.



Millbrook OVERVIEW

Millbrook is one of Europe's leading locations for the development and demonstration of every type of land vehicle, from motorcycles and passenger cars to heavy commercial, military and off-road vehicles. Located at the geographical centre of the UK automotive and fuels industry and situated centrally in the strategic Oxford to Cambridge Arc just 65 kilometres to the north of London, our custom-built facility provides virtually every test, validation and homologation service necessary for today's demanding programmes, complemented by a worldwide reputation for confidentiality, service and competitiveness.

Although significant work has been done commercially on behalf of many research organisations, Millbrook has always focused on real world applications and understand the constraints, limitations and budgetary controls that affect our customers. Our staff have experience and expertise from backgrounds in test work within vehicle manufacturers' engineering departments, so they know what their customers expect from a test. Putting working relationships first, and seeing things from the customer's point of view, means Millbrook's support will survive the test of time.