



WABCO TEST TRACKS

WABCO is the only commercial vehicle industry **SUPPLIER** that operates **THREE** privately owned **TEST TRACKS**.

Road and commercial vehicle safety standards continue to become increasingly stringent worldwide. New and existing commercial vehicle systems – such as electronic braking, driver assistance and stability control – can further support vehicle drivers and improve safety.

Alongside software-based testing, a key aspect of WABCO's development process continues to take place on test tracks. Each track is specially designed for commercial vehicle trials. It provides optimal conditions to test and refine new systems in order to meet tomorrow's demanding customer and regulatory requirements.



ROVANIEMI Test Track at the Arctic Circle

WABCO opened its test track located at Rovaniemi, Finland in 1988. The winter test program at Rovaniemi involves extreme conditions such as icy, snow-covered roads and subfreezing temperatures. The test track features a modern workshop with four lanes as well as a closed area for confidential evaluation of customer prototype trucks and buses.

In a typical winter test cycle, WABCO engineers and technicians logged approximately 1,300 person-days conducting tests. This activity included testing of 25 WABCO-owned vehicles as well as joint testing of trucks and buses from leading commercial vehicle manufacturers.

Track Facts

- Brake lane on asphalt is 350 meters (383 yards) and 100 meters (328 feet) heated
- Brake lane with ice is 350 meters (383 yards)
- Dynamics area with diameter of 280 meters (306 yards) and length of 1.35 km (0.84 mile)





JEVERSEN Test Track near Hanover, Germany

Opened in 1995, WABCO's "Erich Reinecke Test Track" is located north of Hanover, Germany, nearby the company's center for research, development and manufacturing. In 2008, WABCO opened a vehicle dynamics extension at this track, expanding its global testing capabilities.



WABCO's test track extension provides safe and efficient capabilities for dynamic and stability testing on trucks, truck/trailer combinations and buses at high speeds. It offers optimum development conditions for the company's innovative stability control systems such as electronic braking systems (EBS), roll stability support (RSS) and electronic stability control (ESC).

WABCO pioneered ESC for commercial vehicles in 2001 and has continued to drive ESC innovation ever since. Furthermore, the European Union will mandate ESC technology for new heavy class commercial vehicles starting in 2012, resulting in a sharp increase in the number of tests to be conducted at WABCO's proving ground in Germany, as ESC systems need to be adapted and certified for different ranges of commercial vehicle models.

Track Facts

- Oval of 2,000 meters (1.24 miles) with two steep curves and two 550 meter (602 yards) long straight sections consisting of different road surfaces
- Circle with an inside radius of 100 meters (328 feet) and a road width of 30 meters (98 feet)
- Dynamics area of 56,000 square meters (67,000 square yards) with diameter of 220 meters (241 yards)



CHENNAI Test Track in India

Opened in 2001, the Chennai test track is a 200-acre (0.31 square mile) state-of-the-art facility located in southeast India. There are different surfaces for braking such as high friction asphalt and low friction basalt. Different testing can be conducted on dry and wet surfaces, including ceramic which is ideal for traction control testing. The Chennai test track also features an on-site workshop and viewing gallery for customer demonstrations.

Track Facts

- Straight line of 1.35 km (0.84 mile)
- Width of braking area is 70 meters maximum (77 yards)
- Length of asphalt is 325 meters (356 yards); blue basalt is 225 meters (246 yards) and ceramic is 110 meters (120 yards)