



Rail

**Choose certainty.
Add value.**

Rail vehicle testing facility

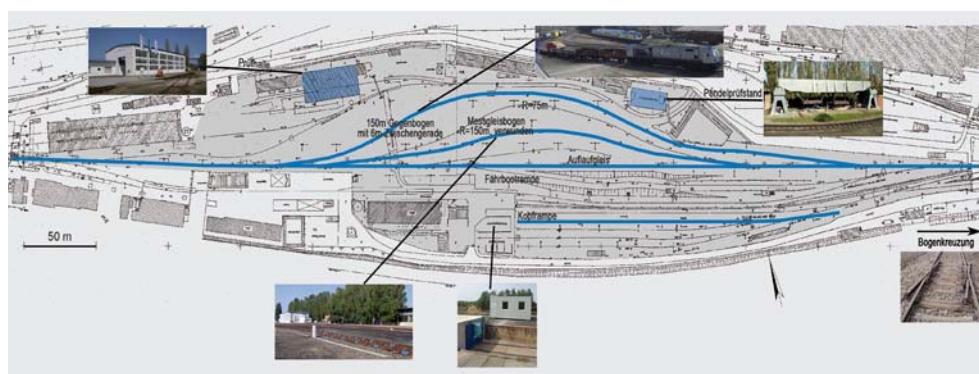
“Choose certainty. Add value.” With the aid of our rail vehicle testing facility (Railmotive).

TÜV SÜD Rail offers you a comprehensive range of services in the rail vehicle area. We support your vehicle creation processes from the concept phase, through detail development to official approval.

Our rail vehicle testing facility (Railmotive) can provide you with valuable support during the approval process. During all such projects, our slogan “Choose certainty. Add value.” is in the foreground of our commitment.

In Görlitz we operate a testing establishment on a site approximately 30,000 square metres in area, with about 3 kilometres of rail track, on which speeds of up to approx. 60 km/h can be reached. Other track tests, for instance technical running and braking tests, are undertaken from our location in Delitzsch.

In addition to vehicle approval tests, we can conduct tests on pointwork, functional tests on vehicles and many other testing procedures.



TÜV SÜD Rail GmbH

TÜV®



Rail



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Our testing work is acknowledged worldwide:

- Technical running tests (EN 14363, UIC 518)
 - for regular procedures, we operate six measuring wheelsets (four standard 920 mm dia. BA 304 freight car wheelsets, one 730 mm dia. BA 374 wheelset and one 840 mm dia. BA 378 wheelset)
 - for the simplified procedure, with H load-cell or acceleration measurements
- Technical brake tests (UIC 540 et seq., EBA test module)
 - Braking distance measurements and brake evaluations
 - Wheelslip equipment tests
 - Steep-gradient tests
 - Functional tests
- Strength tests (EN 12663)
 - Static and dynamic tests
- Derailment safety tests
 - on distorted, curved track (EN 14363)
 - on curved crossing (UIC 510-2) and
 - by propelling tests (UIC 530-2)
- Vehicle parameters such as rolling pole, slope coefficient, centre of gravity, torsional hardness (UIC 505)
- Tank container tests (ISO 1496-3/Amdt.1 (2006), CAN:CGSB-43:147-2002, UN Recommendations)

- Components such as buffers, couplings and drawgear
- Crash testing (EN 15227), scenario 1 for complete vehicle front ends, component testing on head-on ramp

Recognition of our capabilities:

TÜV SÜD Rail is an accredited testing facility according to DIN EN ISO/IEC 17025.



We are recognised by the Federal German Railway Authority as a testing facility.

We are registered with Transport Canada as a testing facility for tank containers.

Your contact for matters concerning the rail vehicle testing facility:

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