



Europe's most **modern locomotive test centre**

In its maintenance depot in Dessau, DB Fahrzeuginstandhaltung has commissioned Europe's most modern locomotive test centre. On 1,500 square metres with four tracks and eight work pits, the technicians maintain and repair electric locomotives used on Europe's rail networks with a wide range of electrification systems. All classes, all components – from pantograph to wheelset – the Dessau maintenance depot with its 1,200-strong workforce will put together tailor-made offerings for you, helping you ensure the optimum availability of your vehicle fleet.

Potential problems

With rail traffic becoming increasingly international, so maintenance depots face more and more different classes of electric locomotives with a variety of drive concepts, not to mention vehicles running on different overhead line voltages. The upshot is more time-consuming maintenance, feeding through into delays and, in some cases, preventing potential locomotive operating times from being used fully.



What we offer

The state-of-the-art shed of the new Dessau locomotive test centre enables the functionality of all electric locomotives that run in Europe to be tested. These also include multi-system locomotives that run internationally with various overhead line voltages. Components such as converters and pantographs on light-rail vehicle systems are also maintained in the Dessau maintenance depot.

The new locomotive test centre sets new standards, with its capacity increased from the previous around 300 locomotives per year to some 550 at present. This allows maintenance depot specialists to test locomotives faster than before. The need for time-consuming shunting is eliminated thanks to four parallel tracks with their own catenary in the shed. The new infrastructure and state-of-the-art technology enable highly efficient processes. For instance, our teams can now work simultaneously on eight different locomotives with different types of drive system and power supply.



The Dessau locomotive test centre – facts and figures

- Eight locomotive testing stations
- Eight work pits
- Five roof work platforms
- Insulation testing up to 75 kV (testing rooftop equipment)
- High-current testing up to 3,000 A (line current transformer testing)
- Ceiling busbars capable of switching over (15 kV/16.7 Hz or 25 kV/50 Hz)
- Testing station for transformer and switchgear testing
- Compressed air system for brake testing
- Ceiling radiation heating
- Solar thermal system for heating support
- Folding doors for air curtain systems
- Testing track for dynamic/brake testing at 1,500 V/ 3,000 V DC, incl. country-specific train protection systems and ETCS

Benefits for you

As a customer you benefit directly from the new locomotive test centre: faster turnarounds and more accurate assessment as part of the incoming inspection increase the availability of your electric locomotives. The Dessau maintenance depot also provides you with tailor-made full-service offerings to increase your vehicle fleet's service life, as well as complete solutions for fleet management. The portfolio also includes training courses for your train drivers which introduce them to the features of each particular class.

Contact

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