Test circuits and auxiliary yard
The tracks of the large (13.276 km) and small (3.951 km) test circuits enable all types of driving and other tests to be carried out with the possibility of traction power from all major European systems and testing of the required combinations of traction systems. The auxiliary yard covered by the high-speed data connection includes a curve $R = 150$ m and two reverse curves $R = 150$ m (S-curve).

Stationary tests
Stationary tests take place at the auxiliary yard with the possibility of connection to both high and low voltage, and in heated halls with access to the roof of vehicles and from sublevel inspection pits.

Test preparations halls and storage hall
The test centre includes 4 halls for professional test preparation, installation of measuring equipment, component replacement and other activities. The customers can use the customer facilities offering office space and warehouses for storage of measuring equipment and spare parts.

Accredited testing laboratory and accredited services
VUZ’s experienced professionals carry out driving performance tests, traction and energy tests, brake tests, noise and vibration tests, as well as tests on ETCS-equipped vehicles. As part of our authorised and accredited activities, we assess the interoperability of the structural railway subsystems (NoBo/Debo), the risk management process (AsBo), offer ISA services, certification and inspection of rolling stock and tracks, certification of quality management systems according to ISO 9001 and assess cybersecurity in the field of rail transport.

Dynamic Test Laboratory
Dynamic component tests are performed in accordance with technical standards and based on specific customer requirements. Our highly qualified staff is ready to design and implement various types of tests including destructive and non-destructive tests of rolling stock, road vehicle parts, infrastructure and engineering equipment. We carry out static and fatigue tests of bogie frames, thermomechanical tests of wheels, fatigue tests of axles, static and dynamic tests of sleepers and many other tests.

Experience and modern research
More than 50 years of experience, an innovative approach and unique technical equipment attract customers from all over the world to the VUZ Test Centre Velim - renowned manufacturers of rolling stock and components for railway systems and rail transport, owners of railway infrastructure, railway and rail transport operators as well as state authorities and institutions with high demands on the quality and accuracy of the tests performed.