

Modernisation



- Requirement analysis
- Documentation of the required modernisation
- Refurbishment engineering
- Coordination of modernisation
- Homologation procedure support

Contact us

Even if an older rail vehicle has been well-maintained, it may not fulfil current standards. Although it is often more economic than buying new vehicles, updating existing rolling stock can be very challenging. PROSE can assist you in the technical modernisation of your existing vehicles and keep costs under control.

The modernisation process starts with a requirements analysis. We develop a modification plan for the vehicle and discuss the necessary changes in close collaboration with our customer. Once we agree on the modernisation plan, and on the basis of our customer's individual needs, we assign a team of specialists to your project. Thanks to their knowledge of current rules, standards and homologation practices, our specialists can evaluate and develop the modernisation measures in detail. In doing so, they use well-adapted software packages and tools, such as CAD software and other special tools for structural strength and durability calculations. We also analyse running behaviour, noise and vibrations. Depending on our customer's needs, we can either deliver a comprehensive documentation of the required modernisation measures or prepare all drawings needed for the implementation, including work instructions. PROSE can also support you throughout the homologation procedure, including management and documentation support.