

About Us

FVA GmbH is a joint venture between FVA e.V. (Forschungsvereinigung Antriebstechnik, the Research Association for Drive Technology) and GzF (Gesellschaft zur Förderung des Maschinenbaues mbH, the Association for the Promotion of Mechanical Engineering) within VDMA (Verband Deutscher Maschinen- und Anlagenbau, the German Engineering Association).



Develop your drive systems based on the latest results from research and technology!

Research made real – this is our philosophy as we transfer the results of cutting-edge FVA research into innovative software, services, and training for the drive technology industry. The application areas range from automotive, aviation, marine propulsion systems, wind turbines, to industrial plants.

The FVA Workbench provides you with access to 50 years of bundled drive technology expertise from FVA, the German Research Association for Drive Technology.



FVA-Workbench



Rendered from Workbench CAD-geometry

The Software Platform for Transmission Systems

Dynamics | Kinematics | Tribology | Heat Management | Loss | Load Capacity | Materials



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Cutting-Edge Transmission Development

The FVA Workbench presents calculation results in a practical and useful manner. From the first visual check of individual components or the entire gearbox model to the output of detailed results reports, the FVA Workbench calculation and simulation platform provides helpful solutions for your design tasks.

Flexible Licensing

Three editions offer calculation features for standard and specialized tasks. The contents and licensing period of all editions can be customized to your individual requirements.

Expert Support

Support levels guarantee professional help with operational and calculation questions, and offer direct contact to technical experts.

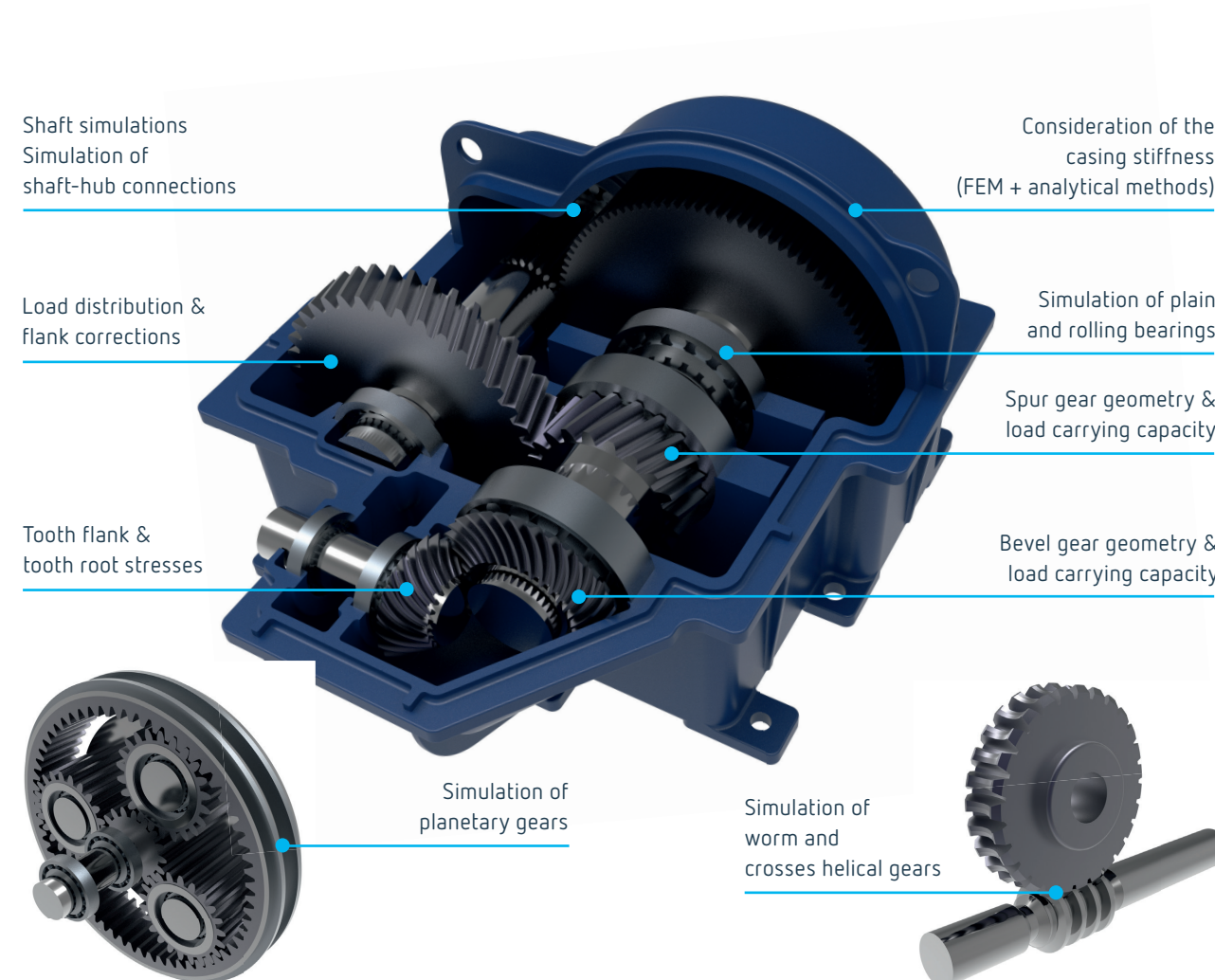
Scripting/Automation/Batch Operation

Efficient automated control and management of all calculations as well as input and output parameters.

Comprehensive Reporting

Comprehensive result reports can be created in Microsoft Word or PDF format.

Specification → Design → Detailed planning



Validation ← Verification ← Optimization

Intuitive Operation

The user interface is based on calculation objectives and guides the user intuitively through the modeling and parameterization process. The system provides online help and enables consistent calculation results in less time.

Information Where it is Needed

The integrated knowledge management system offers condensed, context-sensitive information on input attributes as well as tutorials, example models, documentation, and FAQs.

Leading Range of Calculations

Calculations according to national and international standards, classification societies, and leading FVA calculation methods (often the basis for future standards).

3D Animation Simplifies Complexity

Detailed, geometrically correct representation and animation of kinematics make complex motion sequences easy to understand.