

Web-based Calculation with KISSsysWeb

KISSsys

- System add-on to KISSsoft
- Calculating any type of kinematic

KISSsys is KISSsoft's system add-on that enables to model complete gear units and drive trains. Thereby it is possible to analyze the gears, shafts, and bearings of the system, all at the same time.

KISSsys can be used to calculate any type of drivetrain kinematic. In addition, its integrated programming language allows it to automate calculation processes and to generate sizing functions.

KISSsysWeb

- Flexible
- User-friendly

KISSsysWeb is an enhancement of KISSsys, which connects the sales department with the technical department. It serves as an "online gearbox catalog" with extended functionalities. The interface is very flexible: it can be customized and adapted to the company's internal guidelines.



For the actual core of KISSsysWeb, a database with all transmission models is created that contains the know-how of the company. These models can then again be stored on an internal server which is only visible to the technical department. In addition to the models, the database can also contain separate KISSsoft files for the shaft and gear geometry. These can serve to vary the ratio and arrangement within pre-defined kinematic models in KISSsys.

Optimized workflow

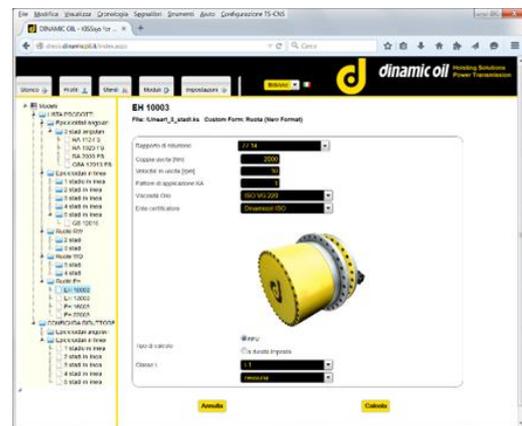
- Simplified input interface
- Development level and application area

The software can be used on two levels:

1. On the development level, which contains all technical details of the gearboxes and should be kept confidential.
2. On the application level for the salesperson, which provides a web-based interface with simplified access to the encrypted data.

Application example

- Access from anywhere
- Fast results

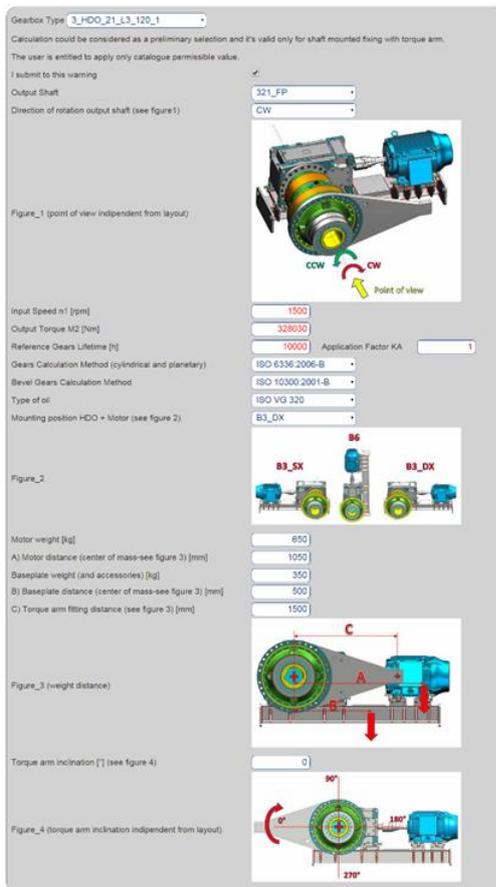


An application example is included here for illustrative purposes: The salesperson of a gearbox company visits an industrial customer. The customer presents the operating data of his application on site.

The salesperson logs into the web interface with a user name and password using a laptop or tablet. From the database, he selects one of the gearboxes suitable for the application. In the corresponding surface, he enters the customer-specific data (speeds, torques, reduction and loads).

The calculation is made on the server of the gearbox company. The results are then available within a short time for the download as a report in PDF format in the web interface.

In this way, the calculation results (safety factors and service life values for gears as well as shafts, service life of the bearings, transmittable torque, etc.) can directly and immediately be discussed and checked with the customer. In consequence, a rapid offer generation for the customer follows – regarding a specific, efficient and cost-effective gearbox.



New possibilities

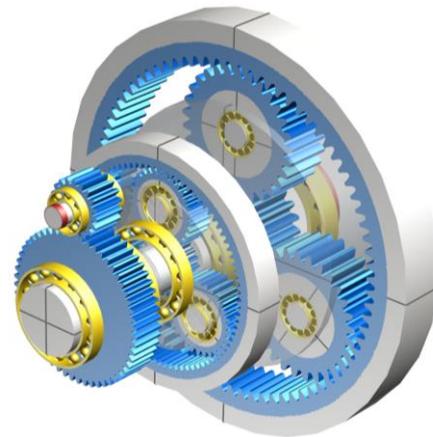
- Customized interface design
- Automatic report generation

The user interface of KISSsysWeb can also be customized: The interface can consist of lists, numeric fields, value ranges and explanations with images. For example, for a selected gearbox, in addition to the

mentioned operating data, the strength standards to be used for the gears, shafts and bearings can also be selected. Furthermore, various arrangements of the same transmission can be selected as the position of the input and the output shaft.

KISSsysWeb makes it possible to access all possible calculations as far as they are predefined at the technical department in the models and referenced in the web interface. Thus, e.g. calculations with load collective, the reliability of the gearbox depending on the operating hours or the efficiency considerations can be included. The generated report with the results can be provided with company logo and adapted according to the guidelines of the gearbox company.

The gearbox company decides on its own which values must be included.



Maximum security

- Synchronization
- Firewall

The described work procedure naturally guarantees a safe handling of the existing models. The customer never gets detailed information. The web server database is synchronized with the server in the technical department. The connection to the company server is protected by a firewall.

If you are interested in acquiring a trial version, please contact us at info@KISSsoft.AG