



Virtual Engineering ...

... Engineering Services for the Industry (Rotating Machinery)

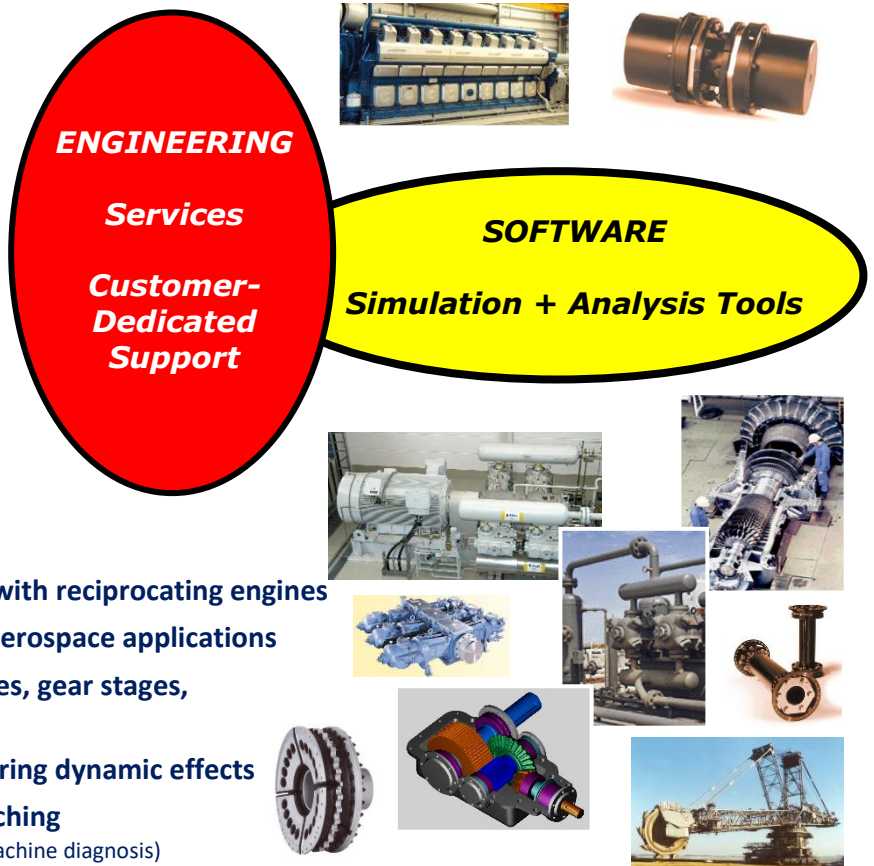
Computer Simulation of Drive Systems & Powertrains in Industrial Applications (Rotating Machinery)

Customer-Dedicated Engineering Services

Application and Distribution
of User-Friendly Software
for PCs (Windows 7 / 8 / 8.1 / 10)

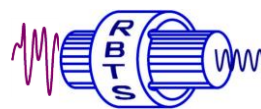
Laschet Consulting is specialist in computer simulation technology. Due to longterm experiences in the simulation of complete drive systems, we offer a professional customer **CAE Service for Engineers** worldwide including consultation, analysis, and computer simulation concerning the **DYNAMIC BEHAVIOR IN ROTATING MACHINERY**:

- Turbomachinery
- Reciprocating compressors, pumps, generator drives
- Vehicle and ship drivetrains with reciprocating engines
- Drive systems in aviation & aerospace applications
- Drives with couplings, clutches, gear stages, universal shafts
- Test rig optimization considering dynamic effects
- Powertrain & drivetrain matching
(measurements, field testings, and machine diagnosis)



Our **CAE Service** provides the customer with a project-oriented analysis and interpretation of vibrations caused by external or internal excitation or parametrically excited disturbances. Nonlinear characteristics like backlash or torque-angle-hystereses can be taken into account, too. In order to meet all customers' requirements, **Laschet Consulting** uses and distributes high-sophisticated simulation software in close cooperations with software & engineering companies like RBTS, Inc., USA with the rotordynamic software **ARMD** (www.rbts.com).

We present "**Service for Engineers**" regularly at international conferences and exhibitions: ASME, POWER-GEN, SAE, IMechE, VDI, HdT, EFRC, etc. Please also visit our **International Rotordynamic Seminars** in close cooperation with our partner RBTS, Inc., USA.

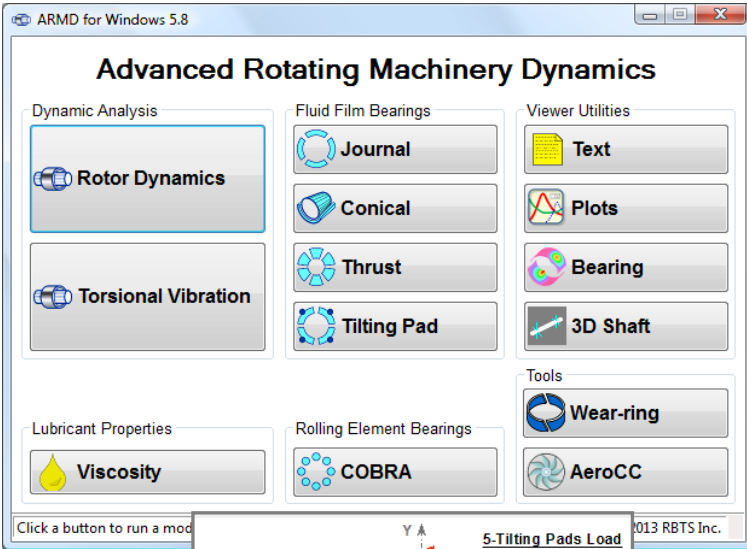


Measurements and field testings are done via our cooperative partners worldwide. In all these cases we join the engineering results and provide a complete customer engineering solution including the CAE and test results.



The professional Engineering Service ...

... supported by RBTS' simulation software ARMD 5.8 / 6.0 – also available for our customers



ARMD consists of four main modules:

- Rotor Dynamics
- Torsional Vibration
- Lubricant Performance
- Bearing Analysis

With a variety of features, including:

- A user-friendly interface
- Advanced project and file management system
- Graphics/text capabilities
- Intermodule communication and data exchange

