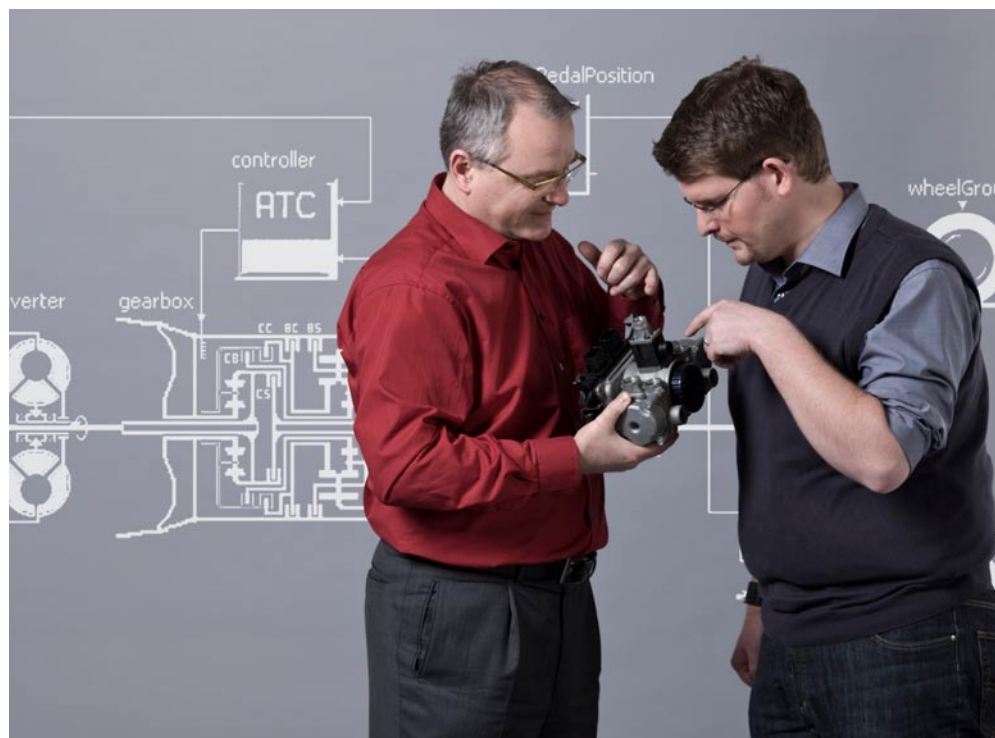




Supporting your visions

Meet the demands of your engineering projects

Consultancy Services



It is the combination of advanced troubleshooting and sophisticated engineering solutions that makes ITI consulting sought-after services all over the world.

Achieving development goals, reducing the time-to-market of new products and ensuring full functionality prior to manufacture are essential tasks for any product development. But what to do when walking the tightrope between limited internal resources and high-pressure deadlines? Then, the right engineering partner is needed. Those who employ ITI's services get profound know-how about system simulation software together with sound engineering expertise.



Real Skills and Total Engineering

ITI's highly skilled project managers with proven areas of expertise in numerous physical domains ensure you implement truly innovative ideas, create perfect products and develop safe, reliable technology.

Therefore, experienced engineers, mathematicians, physicists, and computer scientists all collaborate on the projects. It is their knowledge and long-term project experience that we incorporate into the design and enhancement of our customers' task-specific models.

From the design and enhancement of task-specific models over the dynamic analysis and optimization of drive components and systems through to the qualitative and quantitative interpretation of simulation results - the capabilities of ITI engineers facilitate a deep insight into the physical behavior of systems in order to detect and eliminate weak points in the designs.

ITI Engineering customers include well-known companies across all industrial branches such as:

ABB, Audi, BMW, Daimler, Demag, Ferromatik Milacron, Getrag, Hoerbiger, Horiba, IAV, Liebherr, Nikon, Renk, Schaeffler, Thermo Fisher, ThyssenKrupp, Voith Paper and Von Ardenne Anlagentechnik.

ITI provides sound technical consulting services in the fields of powertrain, hydraulics, mechanics, control and mechatronics such as:

- *Dynamic analysis of drives and powertrains*
- *Design of energy-efficient drives with low vibrations and of hydraulic systems*
- *Analysis of asymmetrically-working gears and drives*
- *Studies of kinematics, natural frequencies and vibrations*
- *Electromechanical modeling of various engines*
- *Efficiency analyses e.g. by considering non-linear loss*
- *Development of hydrostatic drive concepts, pressure valves and proportional ones*
- *Set-up of network and reluctance models for magnets*
- *Parameter models for pneumatic ejectors*

„ITIs' experts and SimulationX have been a real asset to our engineers during the entire development process - from the idea over model set-up through to verification.“ Dr. H. Stammberger, Manager Technology Development, Moeller GmbH

„We are very enthusiastic about the course of the project. Results are really promising and the tool is already applied in GL's engineering services.“ M. Freund, Project Engineer, FutureShip GmbH - A GL Company



ITI Headquarters

Webergasse 1
01067 Dresden - Germany
info@iti.de

T +49 (0) 351.260 50 - 0
F +49 (0) 351 260.50 - 155

www.simulationx.com

ITI Worldwide

For your local representative please visit:

www.iti.de/global