

Experience the Compact Power of the Latest in
Simulation Technology

The Leader in Haptic Control Loading



WITTENSTEIN

Rotary Wing Systems

Fixed-Wing Systems

Control Loading Actuators

Control System Modeling

Vibration Systems

Systems for Simulation

Compact and Robust Mechatronic
Systems for Simulation



WITTENSTEIN – being **one** with the future

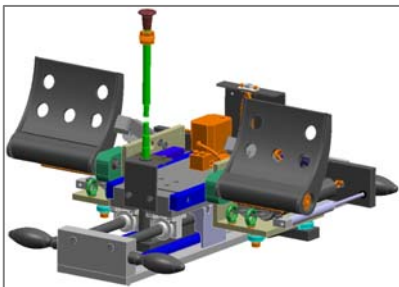
A decade of moving aerospace and simulation with haptic technology

WITTENSTEIN was founded in 1949. Bringing a legacy of precision mechanical components combined with highly dynamic brushless servo technology, we create solutions that move the future of simulation. Our designers and engineers not only have passion in what they do, they also take pride in working to develop solutions which partners require - providing confidence, reliability and realism.



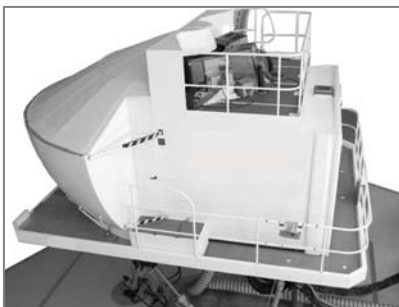
Company Overview

WITTENSTEIN aerospace & simulation, Inc. is the world leader in design, development and production of control loading technology for the aerospace and simulation markets. Solutions are based on integrated, high-performance servo motors and planetary gearboxes, state-of-the-art integrated control electronics and WA&S re-configurable software that provides dynamically adjustable force-feel characteristics.



Core Services

Our goal is to fill your simulation requirements - offering quick response times and optimal products. Providing collaboration through relationships, WITTENSTEIN offers turnkey solutions, easy system integration with simple protocol and reduced customer risk and effort. Having developed the first high-fidelity drop-in modules, the company continues to expand its reach as the leaders in haptic technology.



Applications

- Airplane Simulators
- Flight Training Devices
- Aircraft Test Beds
- Mission Trainers for Airplanes and Helicopters

“In our designs runs the common thread of MINI – Miniaturization, Integration, Networking and Intelligence.”

Scott Metcalfe
Business Unit Manager

Products

Simple linkage arrangement, compact and lightweight

Our products support Level D simulators, Distributed Mission Trainers and include actuators for drop-in kits to standard and custom control loaders.

Rotary Wing Systems

- Collective Lever
- Cyclic Assembly
- Directional Pedals

Fixed-wing Systems

- Centerstick
- Rudder Pedals
- Sidestick Controllers
- Throttle Controls

Control Loading Actuators

- Size 004 for sidestick, throttle and tiller axes
- Size 010 for cyclic, collective and centerstick pitch axes
- Size 025 for hydraulic replacement and pedal axes
- Size 050 for column, pedals and centerstick axes

Control System Modeling

- Multi-mass Modeling
- Aircraft Measurement
- Verification and Validation

Vibration Systems

- The VIBE™ Platform
- The VIBE™ Seat Shaker



WITTENSTEIN Quality

WITTENSTEIN's commitment to quality, consistency and reliability has been rewarded with ISO 9001:2008 certification. Production facilities are EASA Part 21G and EASA Part 145 certified.

The WITTENSTEIN Quality Management System is a systematic way of working that ensures consistency, and facilitates improvement in our products, processes and services. Our commitment to quality demonstrates our dedication in providing products and services on which customers can rely.

Engineering haptic
technology for
aerospace and
simulation . . .

Possessing a legacy of cutting-edge technology, we provide more than engineering by providing honor and responsibility with all services and products. Research and development guide us into new technologies for an ever-changing world. As we work together with our partners, we aim to positively impact our environment and build a better future for all.

How can we move your world?

Every day is a new opportunity for WITTENSTEIN to work with you to create solutions for the future of motion.

Available when and where you need us, our colleagues look forward to helping you become a leader in your field of technology. Give us a call or visit us online at www.wittenstein-us.com.

Would you like to talk to one of our engineers? Call toll-free 888-534-1222.



Contact Information

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