



**WITTENSTEIN**

## **WITTENSTEIN at HMI 2011: Integrated motion.**

**WITTENSTEIN to unveil new High Performance linear system and e-mobile drive solutions**

- **Product première: WITTENSTEIN alpha GmbH's linear system complete with new gearhead marks a revolution in drive technology**
- **eMobile drives built from a modular system – for small, mid-range or racing cars and commercial vehicles**
- **WITTENSTEIN in Hall 15, Stand F 08 and at the VDMA's joint "MobiliTec" Stand L 13/09 in Hall 25**
- **Press briefing: "Integrated motion." on Tuesday, April 5, 2011, 3.15 to 3.45 p.m., at the WITTENSTEIN Stand F 08 in Hall 15**

"Integrated motion." – this will be the theme running through the various WITTENSTEIN exhibits at the Hanover Fair 2011 from April 4 to 8, 2011. This year, the drives specialist will focus on system solutions and integrated drive concepts. This leitmotif will be exemplified by the exhibition highlight – the new linear system developed by WITTENSTEIN alpha, complete with new gearhead – as well as by motors in three different sizes for electromobile vehicles in several target segments and performance classes. These two innovations will also be spotlighted at a press briefing scheduled for the afternoon of Tuesday, April 5, 2011 at the WITTENSTEIN Stand F 08 in Hall 15.

The WITTENSTEIN Group will portray itself at the Hanover Fair 2011 as a supplier of high-end components for resource-efficient drives in a very wide range of applications.

Press Release

February 25, 2011

High-tech products made by **WITTENSTEIN** fly into space and win Formula One races. Intelligent drive systems – from the world's smallest high-performance servo drive to the latest state of the art in medical technology – are developed, produced and marketed by a team of around 1.400 employees. With a blend of dedication and enthusiasm, we set benchmarks – every day – worldwide.



Revolutionary feeding forces with the new linear system from WITTENSTEIN alpha

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### **WITTENSTEIN AG**

Walter-Wittenstein-Straße 1  
97999 Igersheim · Germany

**Contact: Sabine Maier**  
Press Officer  
Tel. +49 7931 493-10399  
Fax +49 7931 493-10301  
E-Mail: [sabine.maier@wittenstein.de](mailto:sabine.maier@wittenstein.de)  
[www.wittenstein.de](http://www.wittenstein.de)

## **Linear drive technology revolutionised**

The new alpha linear system from WITTENSTEIN alpha takes linear technology to new levels of performance. It unites the company's traditional expertise in transmission engineering, gearing technology and sizing of complete drive trains in a mechatronic system solution that is the only one of its kind in the world. When teamed up with the new gearhead, it forms a rack-and-pinion system that is capable of transferring feeding forces almost three times as high as any other solution so far offered in the global arena. At the same time, it boasts an amazingly compact design with higher power density and a simplified assembly concept with only eight fixing holes instead of 32. The new linear technology's multiple advantages, such as improved positioning accuracy and system rigidity, often enable the complete drive system to be downsized – with the result that it operate more efficiently.

## **eMobile drive technology made by WITTENSTEIN: system expertise for a sharper competitive edge**

At the "MobiliTec" flagship exhibition in the framework of the Hanover Fair 2011, WITTENSTEIN will focus this year on highly dynamic and emission-free motors in three different sizes for small, mid-range or racing cars and the commercial vehicle segment. Integration and modularity are the hallmarks of WITTENSTEIN's new drive technology concepts. eMobile drives are integrated systems comprised of a motor, gearhead and power electronics that are optimally harmonised for maximum efficiency. They are developed from a modular building block system, in other words different drive modules for different model types and eMobility performance classes are built from identical components. This modular philosophy facilitates completely new drive architectures as well as high-end mechatronic drive solutions characterised by extremely high power densities.

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**Contact: Sabine Maier**  
Press Officer  
Tel. +49 7931 493-10399  
Fax +49 7931 493-10301  
E-Mail: [sabine.maier@wittenstein.de](mailto:sabine.maier@wittenstein.de)  
[www.wittenstein.de](http://www.wittenstein.de)

**Photo: High Performance linear system**



Revolutionary feeding forces: the new linear system from WITTENSTEIN alpha unites the company's traditional expertise in transmission engineering, gearing technology and sizing of complete drive trains in a mechatronic system solution that is the only one of its kind in the world.

**Invitation / advance notification**

**WITTENSTEIN AG press briefing at the Hanover Fair on Tuesday, April 5, 2011, 3.15 to 3.45 p.m., at the WITTENSTEIN Stand F 08 in Hall 15**

**Topics:**

- Axel Leidner (Head of Product Management at WITTENSTEIN alpha GmbH): **Integrated motion. The new linear systems**
- Oliver Krammer (Business Platform Development at WITTENSTEIN AG, Business Opportunities department): **eMobile drive technology from WITTENSTEIN**

**WITTENSTEIN AG: Being one with the future**

With around 1400 employees worldwide, WITTENSTEIN AG enjoys an impeccable reputation for innovation, precision and excellence in the field of mechatronic drive technology – not just in Germany but internationally. The Group comprises eight pacesetting Business Units with separate subsidiaries: for servo gearheads, servo actuator systems, medical technology, miniature servo units, innovative gearing technology, rotary and linear actuator systems, electronic and software components for drive technologies as well as servo motors for nano-precise positioning. With its electric drive systems, WITTENSTEIN is also a new partner for efficient electromobility. Through its 60 or so subsidiaries and agents in approximately 40 countries, WITTENSTEIN is represented in all the world's major technology and sales markets.

With its fundamental orientation towards intelligent, mechatronic drive systems and a blend of micro and macro technologies, the company will continue to dynamically develop its core know-how and competencies in all areas.

- **Photographs in printable quality can be downloaded from [www.presse.wittenstein.de](http://www.presse.wittenstein.de) or [www.press.wittenstein.de](http://www.press.wittenstein.de)**

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Press Officer  
Tel. +49 7931 493-10399  
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[www.wittenstein.de](http://www.wittenstein.de)