



## Media release

### PowerTrax for best assembly times

Everything included, attached and quickly installed: Leoni and KABELTRAX will exhibit an all-in solution for providing sliding vehicle doors with permanent current feed at the IAA Commercial Vehicles show

**Nuremberg/Siegen, 4 September 2008 – KABELTRAX Europe GmbH and the wiring systems specialist Leoni will, at the IAA Commercial Vehicles show from 25 September to 2 October 2008 in Hanover, present a ready-to-install power supply system, which is reliably protected against environmental influences, to provide sliding doors in the side of a vehicle with a permanent current feed. The two companies jointly developed the pre-assembled PowerTrax module. It features compactness and rapid fitting.**

Airbags, ABS, ESP, park assist, tyre pressure monitors, brake wear indicators, audio and video devices – modern vehicles are fitted with a large number of electronic and electrical components that ensure safe and comfortable travel. Such a wiring system also includes the power supply to door components. For sliding doors that are opened by push-button this was solved conventionally with electrical contacts for instance in the vehicle's pillars, but this does not provide the sliding door with permanent current feed and is more susceptible to failure due to soiling. Against this backdrop KABELTRAX has, in an innovation partnership with Leoni, developed the PowerTrax power supply system; a ready-to-install device for a vehicle door that slides parallel to the sidewall. Manufacturers will benefit from significantly reduced assembly times in series production, harmonised individual components and guaranteed functionality.

### Efficient due to good routing

The power routing uses cables and conductors between a fixed and movable connection point, the coupling, in a cable carrier. This is integrated in the vehicle's sidewall and has a hollow section with a duct for the coupling. When the

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door is opened and closed two parallel sections that are connected with a bending radius run lengthwise in the cable carrier. All of the vehicle's electrical and electronic functions remain active in the process.

The module is completely assembled and pre-fitted so that it can simply be installed with the central slide track during the vehicle manufacturer's series production. The system comprises the corresponding connectors for it to be rapidly hooked up to the vehicle and door wiring harness. After installation all PowerTrax components are securely fitted in the vehicle's sidewall and permanently protected against environmental influences. There is no need for a permanent current feed in the vehicle's entry/exit and loading areas.

*KABELTRAX at the IAA Commercial Vehicles: Hall 18, Stand B13*

*Leoni at the IAA Commercial Vehicles: Hall 13, Stand C18*

 Illustration material can be downloaded from [www.leoni.com/Media-Relations.3.0.html?&L=1](http://www.leoni.com/Media-Relations.3.0.html?&L=1)

### **Company information:**

#### **KABELTRAX: Cable carrier know-how**

Together with automotive component suppliers and designers, KABELTRAX Europe GmbH, based in Siegen, Germany, develops power supply systems for the motor vehicle industry. From development and design to the prototype phase and through to production delivery, KABELTRAX provides the corresponding products for model variants or complete series based on its proven chain links as well as new, customised solutions.

#### **Leoni: Successful in a variety of markets**

Leoni is a global supplier of wires, cables and wiring systems as well as a provider of related development services. The group of companies market-listed in Deutsche Börse's MDAX index employs about 53,000 people in 46 countries and in 2007 generated consolidated sales of approximately EUR 2.4 billion. The



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principal customer base is the automotive industry, for which Leoni develops and makes technically sophisticated products: from single-core automotive cables through to complete wiring systems with integrated electronics.

#### **Leoni AG**

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