

# **Innovationen an Bord – Antrieb für Sicherheit, Komfort und Nachhaltigkeit**

## *Innovations on Board – The Drive for Safety, Comfort and Sustainability*

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### **1 Agenda**

**Continental Corporation – An Overview**

**Megatrends of the Automotive Industry**

**Innovations on Board –  
The Drive for Safety, Comfort and Sustainability**

## 2 Continental Corporation – An Overview

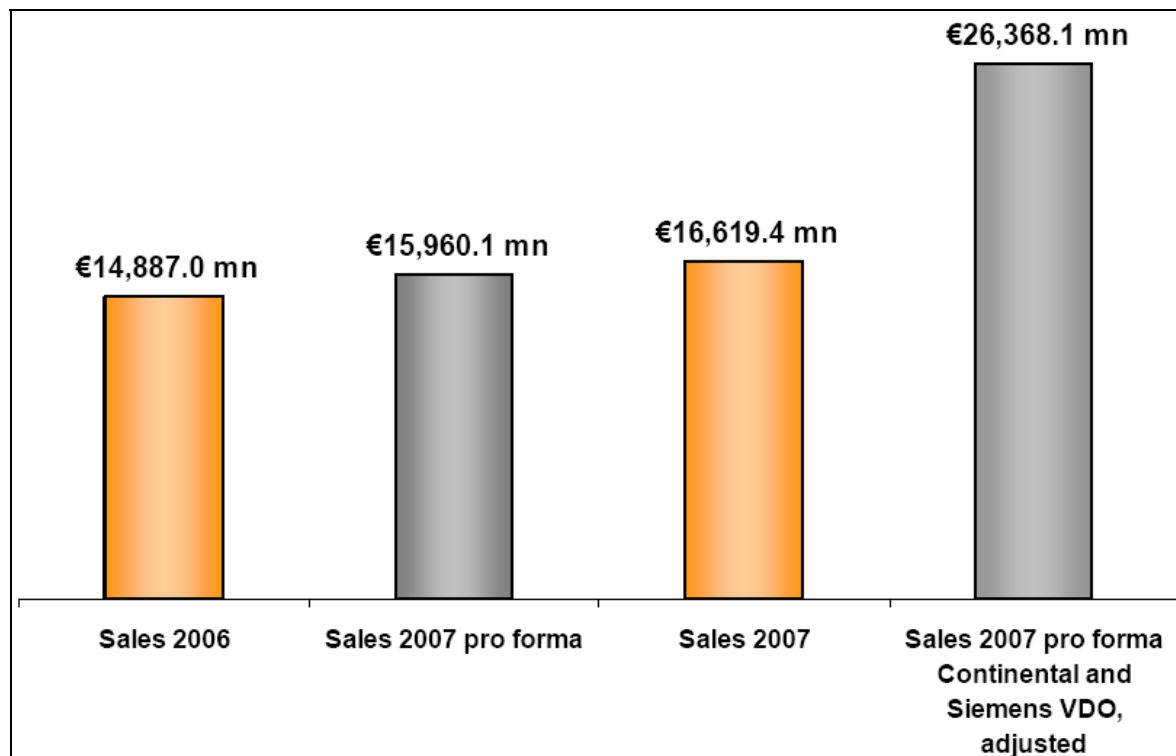


Fig. 1: Continental Corporation – Sales



Fig. 2: Continental is One of the top 5 Global Automotive Suppliers



Fig. 3: Continental Corporation – Strong Divisions and Business Units

### 3 Megatrends of the Automotive Industry

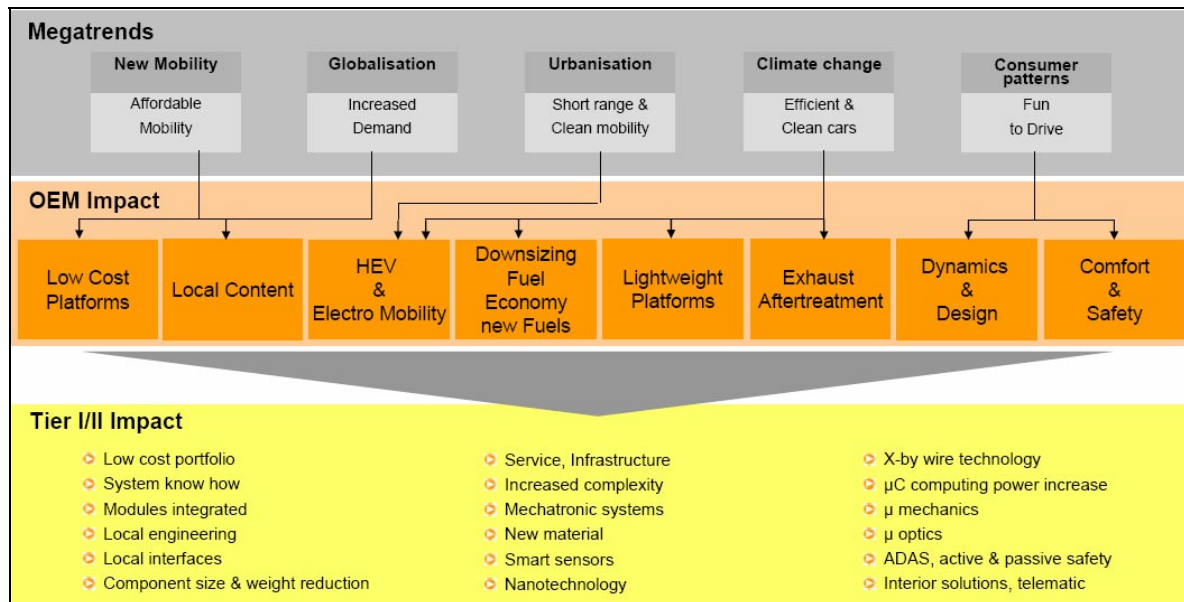


Fig. 4: Megatrends – Impact for OEMs & Tier I/II Suppliers



Fig. 5: Megatrends of the Automotive Industry



Fig. 6: Megatrends of the Automotive Industry



#### 4 Innovations on Board – The Drive for Safety, Comfort and Sustainability

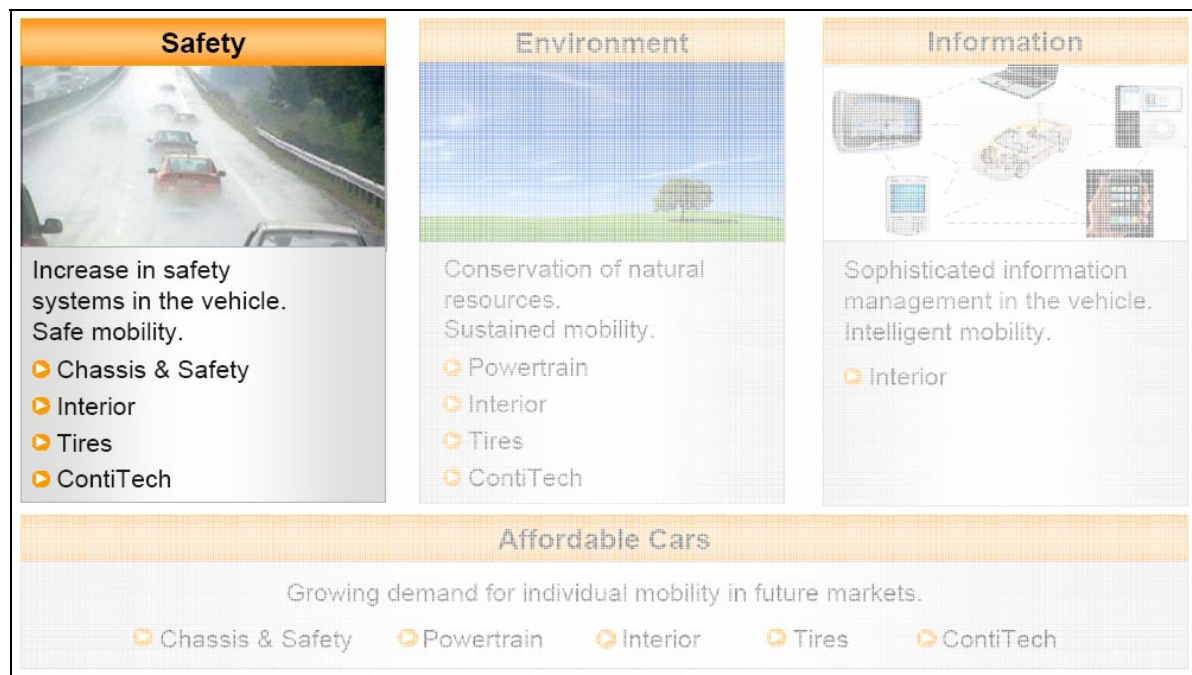


Fig. 7: Innovations on Board – The Drive for Safety, Comfort and Sustainability – Safety

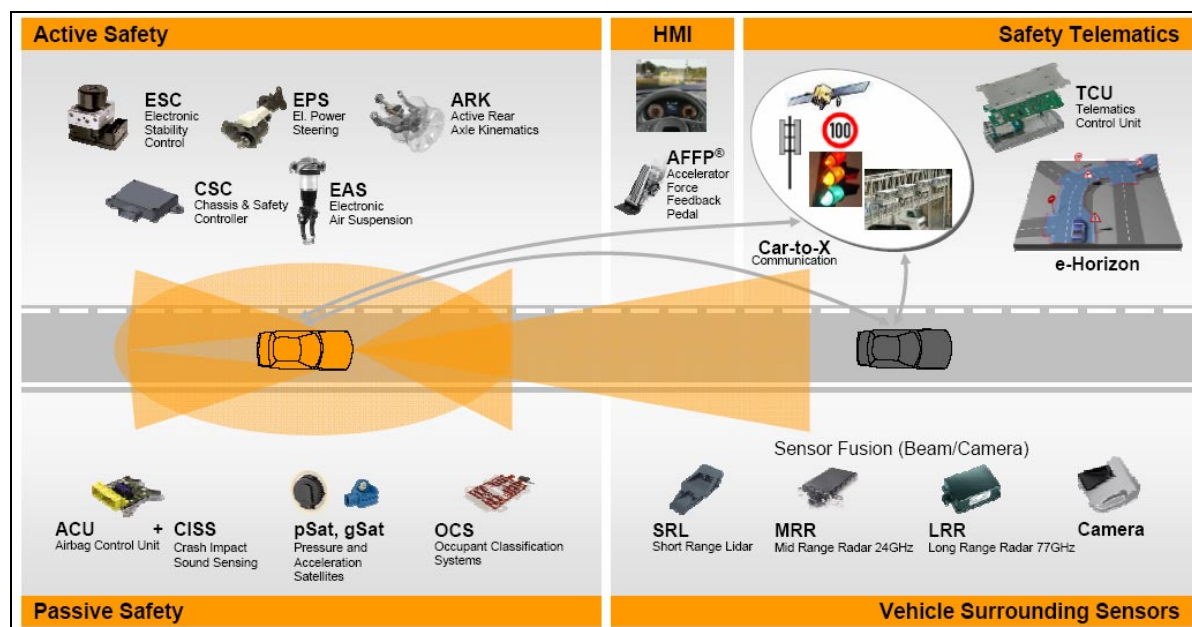


Fig. 8: Safety – Conti Guard®: Cornerstones and Key Components

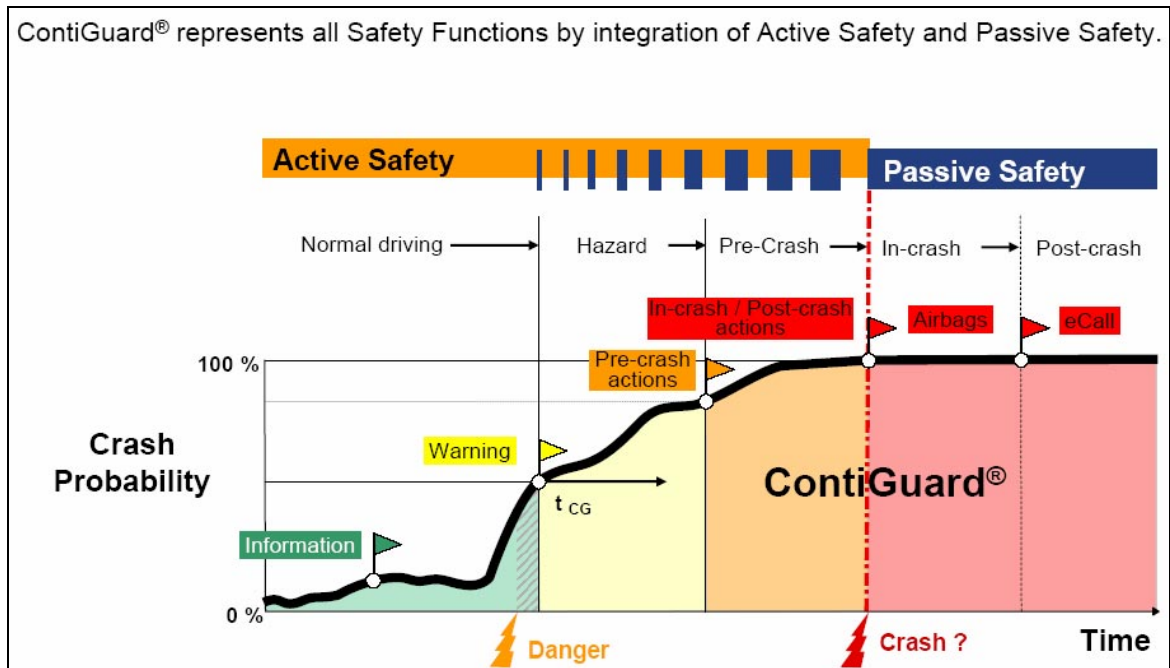


Fig. 9: Conti Guard – Continental's Comprehensive Safety System

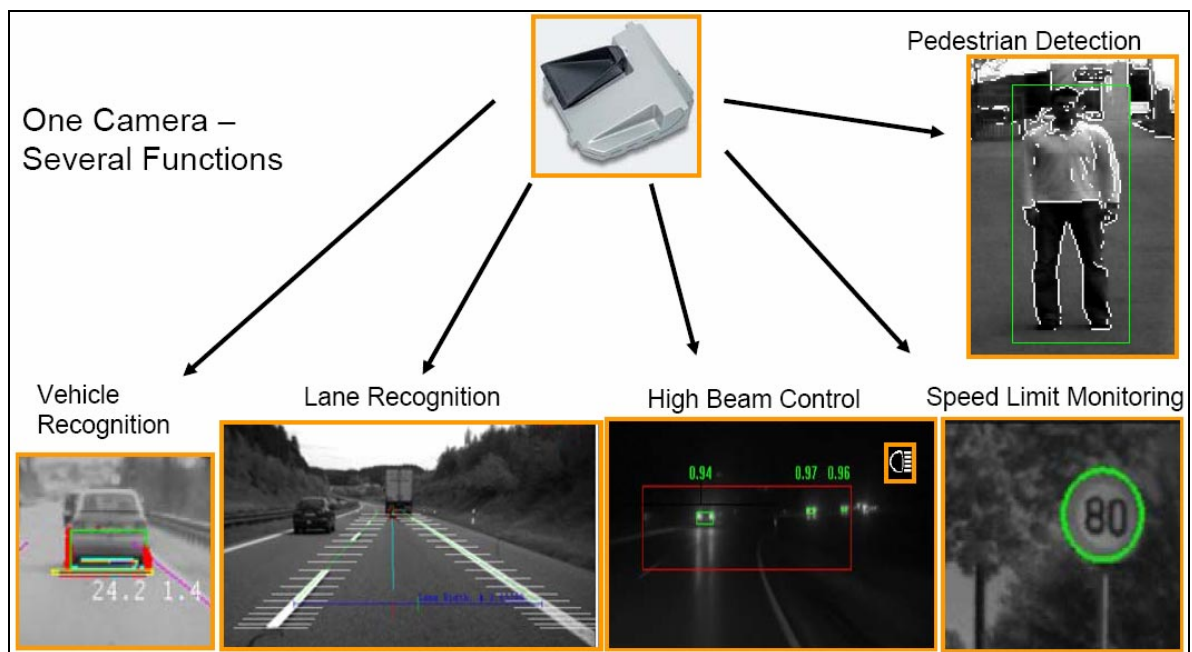


Fig. 10: Safety – Vehicle Surrounding Sensors



Fig. 11: *Innovations on Board – The Drive for Safety, Comfort and Sustainability – Information*

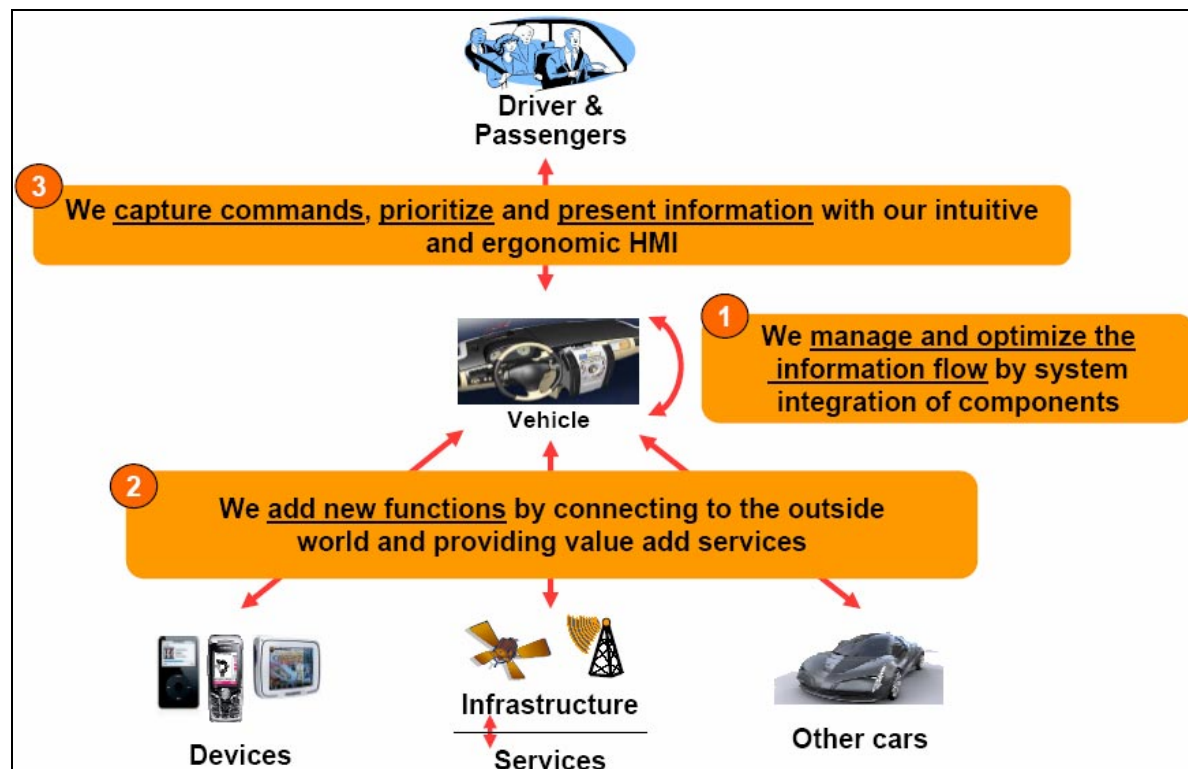


Fig. 12: *"Always On" – Information Management in the Car for Driver and Passenger*



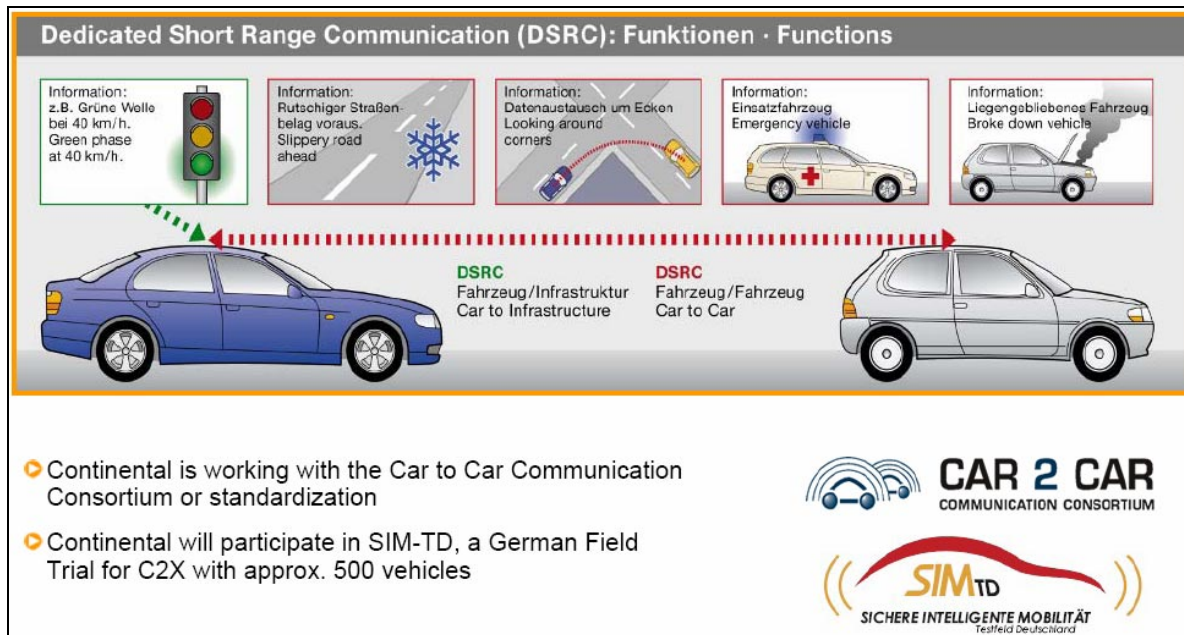


Fig. 13: Information and Safety – Telematics (Car2X Communication)



Fig. 14: Innovations on Board – The Drive for Safety, Comfort and Sustainability – Environment



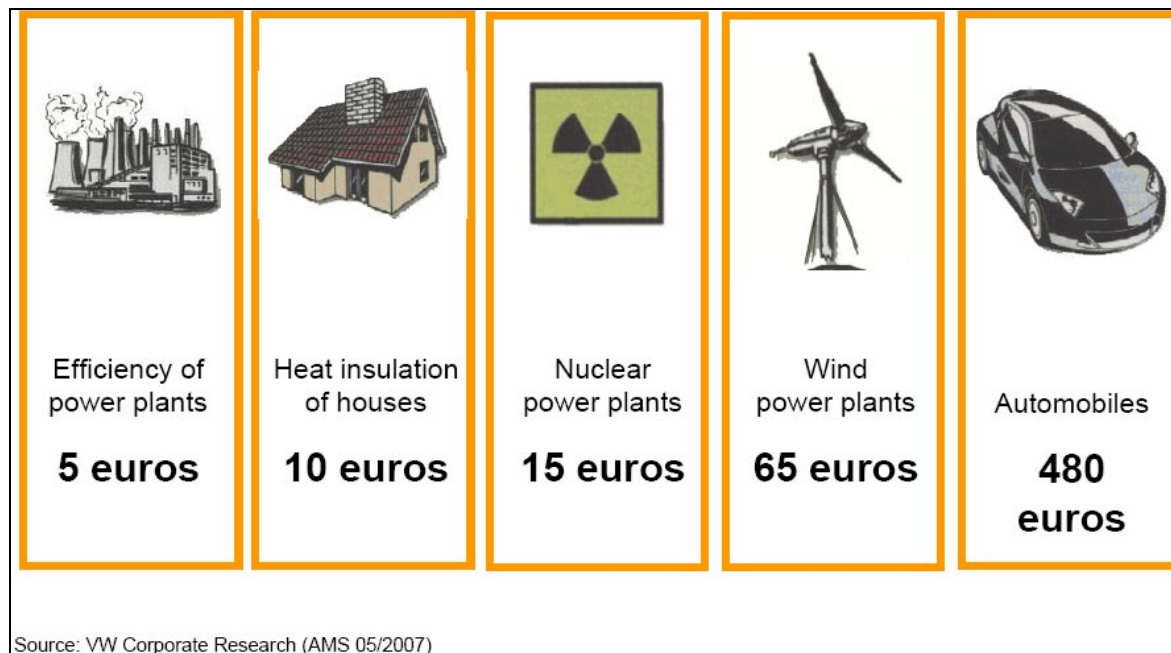


Fig. 15: Costs to Reduce One Ton of CO<sub>2</sub>

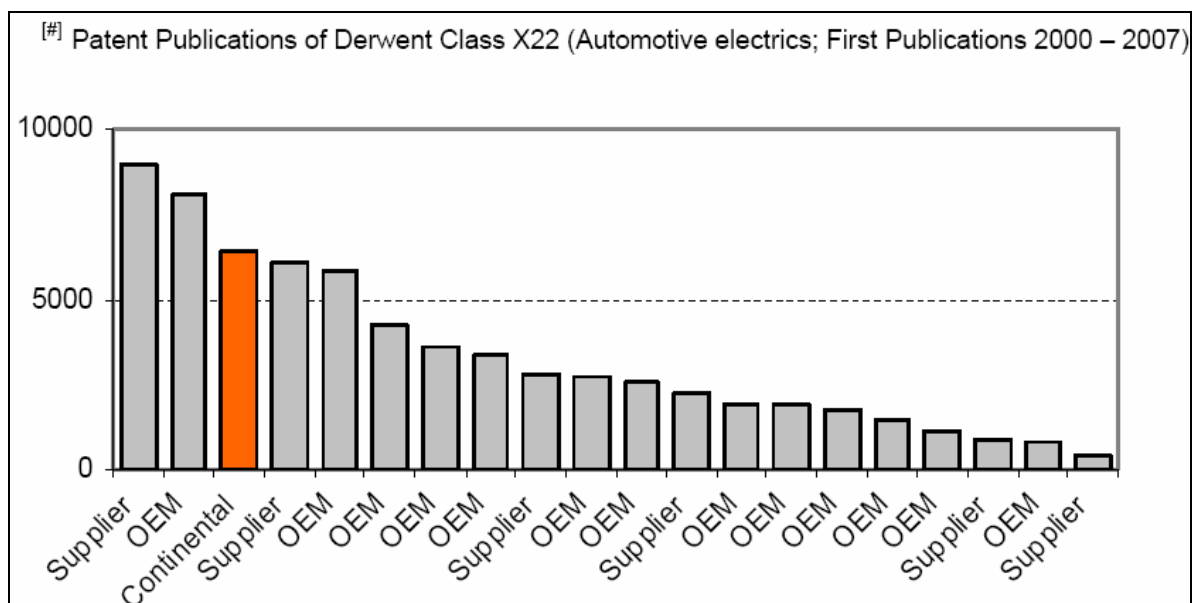


Fig. 16: Patent Filing Activities in Automotive Electrics

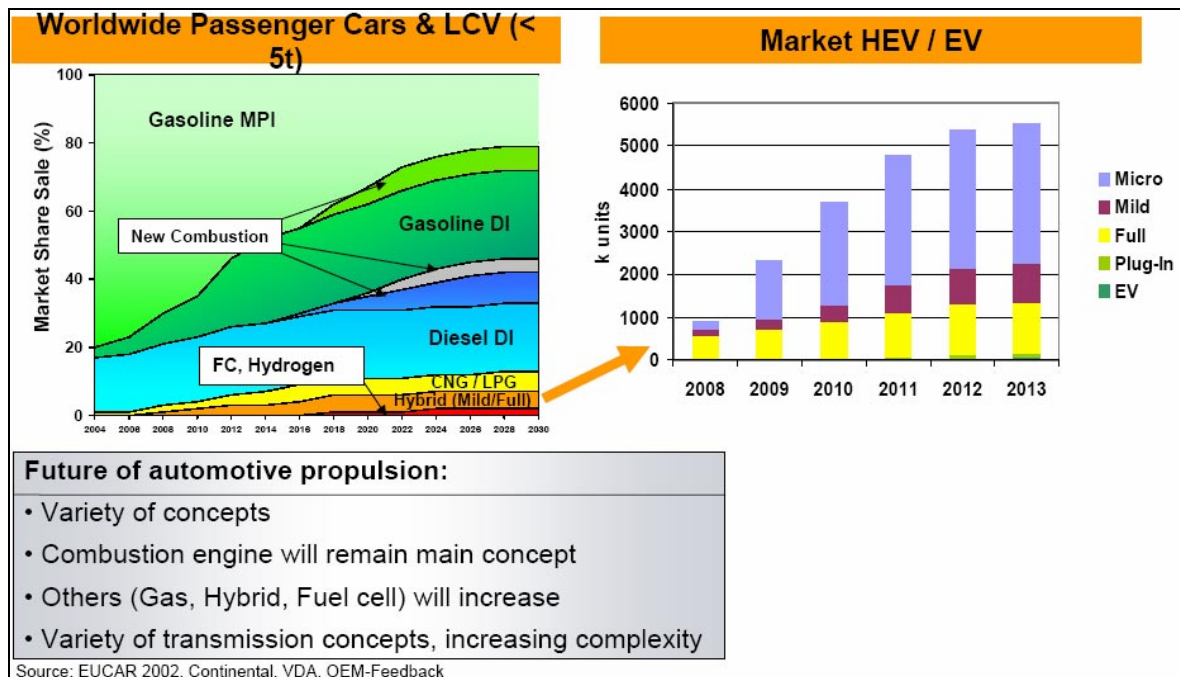


Fig. 17: Future Market: Variety of Propulsion Concepts till 2030

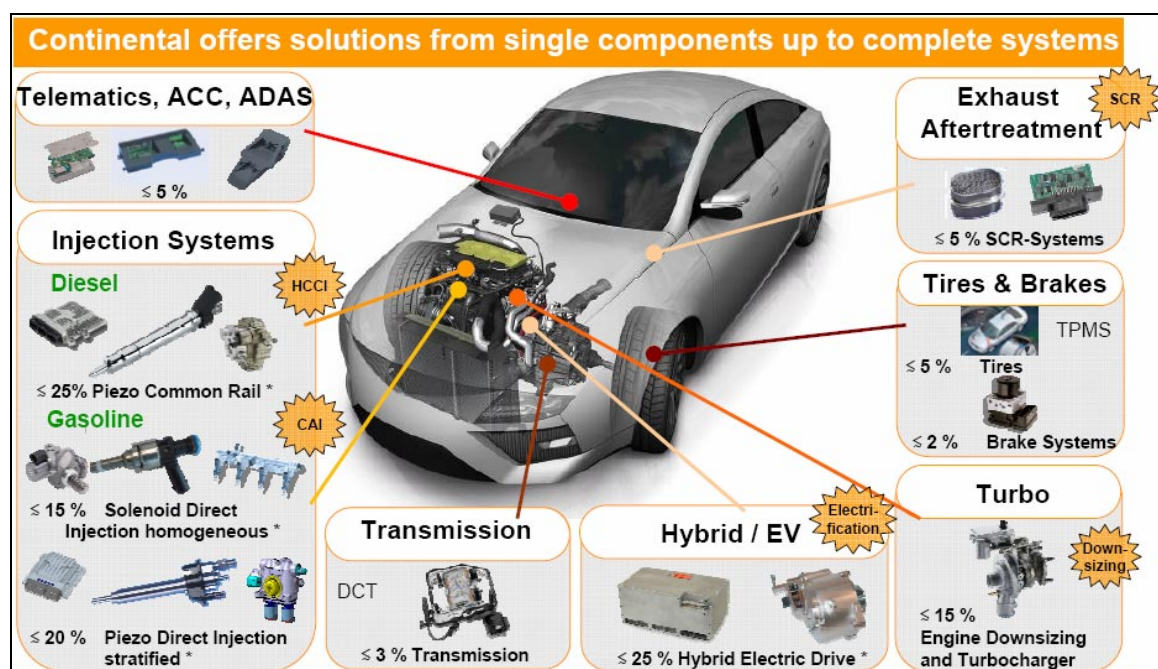


Fig. 18: "Zero Emissions" – Reduction of CO<sub>2</sub> Emissions with Products of Continental



Fig. 19: Environment – Gasoline Systems

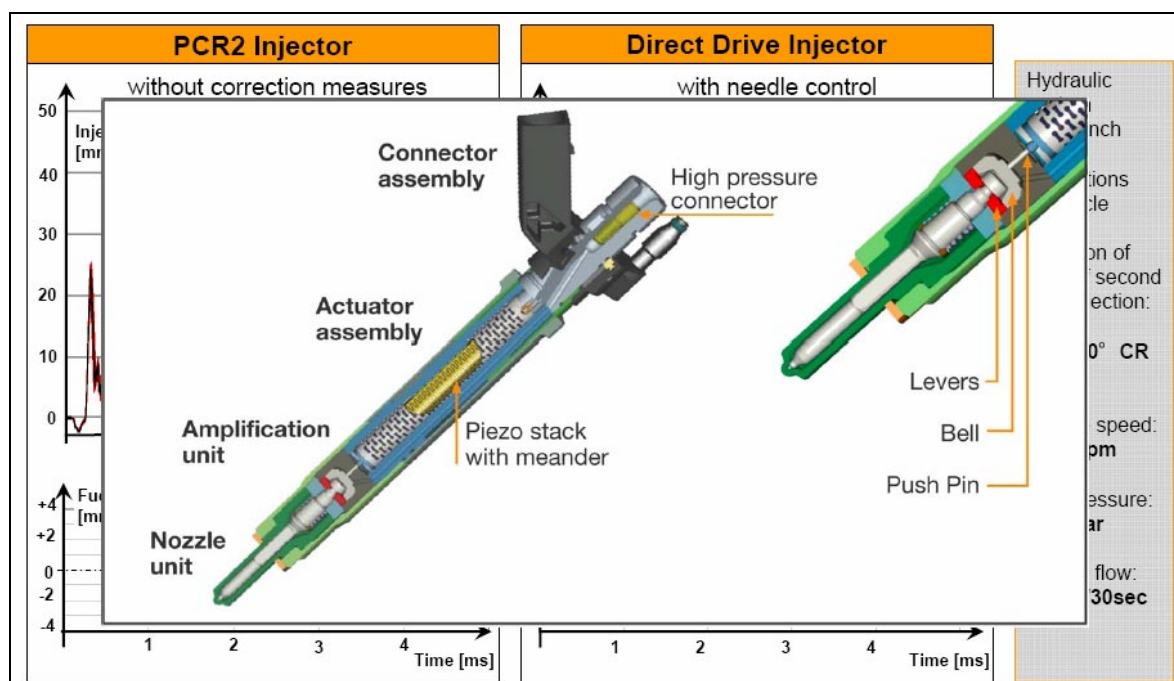


Fig. 20: Environment – Diesel Piezo System



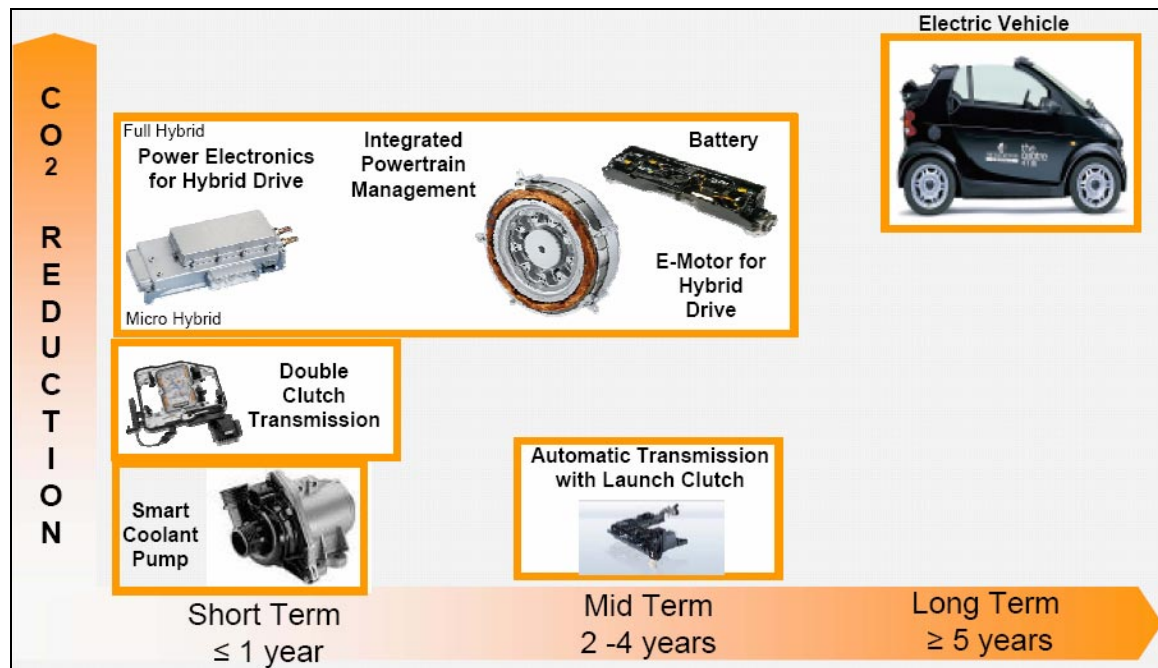


Fig. 21: Environment – Electric Drives

Engine Systems	Transmission	Hybrid Electric Vehicle	Sensors & Actuators	Exhaust Gas Aftertreatment (JV Emitec)
<ul style="list-style-type: none"> <li>Engine management systems and fuel components for               <ul style="list-style-type: none"> <li>- Piezo diesel common rail injection systems</li> <li>- Piezo gasoline direct injection</li> <li>- Solenoid gasoline direct injection</li> <li>- Gasoline port fuel injection</li> <li>- Liquefied petroleum gas (LPG) and compressed natural gas (CNG)</li> </ul> </li> <li>Engine management systems and aftertreatment controller for CV applications</li> <li>Turbocharger</li> </ul>	<ul style="list-style-type: none"> <li>Control units for               <ul style="list-style-type: none"> <li>- Automatic transmission</li> <li>- Double clutch transmission</li> <li>- Automated manual transmission</li> <li>- Continuously variable transmission</li> </ul> </li> <li>Control units for four- and all wheel drive applications               <ul style="list-style-type: none"> <li>- Transfer cases</li> <li>- Differentials</li> <li>- Limited slip coupling</li> </ul> </li> </ul>	<p>Systems and components for</p> <ul style="list-style-type: none"> <li>Hybrid and Electric Vehicle applications</li> <li>Power electronics</li> <li>Electric motor</li> <li>Battery Systems</li> <li>Energy management</li> <li>Power Net Systems</li> </ul>	<ul style="list-style-type: none"> <li>Engine actuators               <ul style="list-style-type: none"> <li>- Electronic throttle control</li> <li>- Air control valve</li> <li>- General purpose actuator</li> <li>- Thermal management</li> </ul> </li> <li>Components and modules for emission management               <ul style="list-style-type: none"> <li>- Exhaust actuators</li> <li>- Evaporative diagnostics</li> </ul> </li> <li>Sensors for powertrain applications               <ul style="list-style-type: none"> <li>- NOx, MAF, transmission sensor modules, position</li> <li>- Pressure, temperature, knock, cylinder pressure</li> </ul> </li> </ul>	<p>Catalytic Converters for</p> <ul style="list-style-type: none"> <li>Gasoline Engines               <ul style="list-style-type: none"> <li>- METALIT® Metal Substrate for Three-Way-Catalysts</li> <li>- Lambda Sensor Catalyst</li> </ul> </li> <li>Diesel Engines               <ul style="list-style-type: none"> <li>- Oxidation Catalysts</li> <li>- PM Metalit® (Catalyst and Particulate Filter)</li> <li>- Pre-Turbo Catalyst</li> <li>- Selective Catalytic Reduction (SCR) Catalyst with Structured Foils</li> </ul> </li> </ul>

Fig. 22: Divison Powertrain – Business Structure