

Low Volume Automotive Product Supply

Introduction to Low Volume Product Supply

Conekt has been developing products for the automotive industry and other markets for over 50 years. As part of ZF TRW, Conekt is able to offer the advantage of mass produced systems to niche and low volume applications.

The products and systems offered by Conekt use many advanced technologies to accommodate the complex needs of our clients.



Electric Park Brake (EPB)

EPB can offer improved driver comfort and convenience whilst allowing greater freedom in the design and packaging of the vehicle interior. EPB eliminates the need for a park brake lever or pedal, instead using a compact switch. This can improve pedal area optimisation and vehicle crashworthiness.

As EPB uses actuators to apply and release the park brakes there is no need for complex cabling. This can greatly simplify the packaging and reduce installation time.

Many features are available, depending on the vehicle requirements and specifications. These include Drive Away Assist, Hill Hold and Dynamic Deceleration – where the EPB can be used to brake the vehicle independently of the foundation brakes.

Electrically Powered Hydraulic Steering (EPHS)

EPHS is a steering technology that allows a conventional hydraulic steering system to run without an engine driven pump. This can be used on conventional petrol and diesel vehicles as well as hybrid and electric vehicles.

The level of assist provided by EPHS can be varied depending on the vehicle speed and rate of steer, giving a tailored steering feel and substantial fuel savings over traditional hydraulic power steering.

Without the need for a direct connection to the engine, an EPHS pump can also ease packaging issues as it can be positioned virtually anywhere in the engine bay or in any other convenient location where it can be connected to the steering rack.

Electrically Powered Steering (EPS)

EPS is an innovative steering technology that removes the need for any connection between the steering system and an internal combustion engine. This can be used on conventional petrol and diesel vehicles, as well as hybrid and electric vehicles.

The level of assistance provided by the EPS unit can be varied depending on vehicle speed and steering rate, allowing for a tailored steering feel for all driving situations and the possibility of substantial fuel and CO₂ savings over conventional power steering systems.

Tyre Pressure Monitoring System (TPMS)

TPMS measures tyre pressure directly at all tyre positions (including the spare tyre if desired). The Conekt TPMS is based on the robust ZF TRW High-Line system, which offers a cost-effective route to integrating TPMS and has the ability to identify the pressure within each tyre.

Accurately measuring tyre pressure has a positive impact on vehicle safety whilst reducing CO₂ emissions, fuel consumption and tyre wear. Operating to a temperature of -40°C, the TPMS can provide monitoring solutions in a range of vehicle applications.

Automotive Radar

Conekt has been involved in the development of cutting edge sensing technology for many years. In particular Conekt's involvement in automotive radar and video sensing technologies provides us with the skills necessary to develop and tailor products to meet customer requirements.

Brake Actuation System

The Conekt Brake Actuation System offers a complete and tunable solution for high end braking needs. It combines a tandem brake booster with compact master cylinder and a remote reservoir, providing an easily integrated system that can be tailored to meet the requirements of high performance vehicles.

Electronic Stability Control (ESC)

ZF TRW's ESC systems combine anti-lock brakes (ABS) and traction control with a lateral stability control function. ESC systems are specifically designed to help control and maintain the lateral stability of the vehicle. If a potential loss of vehicle control is sensed, ESC automatically applies brake pressure to the appropriate wheel(s) and, if necessary, cuts engine throttle to help bring the vehicle back in line with the driver's intended path.

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