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Mecel helps industry manage IT-Vehicles

Information Technology is currently making a revolution in vehicles.

Practically all newly developed vehicles are built with the Multiplex Technology that means that all parts in the vehicle are tied together with a Local Area Network.

This has yielded great advantages in terms of improved functionality such as environment friendliness, safety and comfort.

The backside of the medal is that complexity of the vehicle system has exploded which can lead to "The Maintenance Time-Bomb" (workshops are not at all prepared for serving this type of vehicles loaded with electronics, see SAE paper).

Very streamlined diagnostic tools will be needed to support the aftermarket. Mecel demonstrates **ADAPT - a Webb based Remote Diagnostics Platform.**

Technicians need training in multiplex technology - Mecel provide just-in-time multimedia training.

The current developments show that the use of electronics in vehicles will continue to accelerate even faster. Now Information Technology such as AutoPC, Infotainment, Telematics, and Webb-technology will make a revolution in vehicles.

Examples of what can be available soon:

SALE: "Get 50 extra horse powers on the Webb", Surf to us and down load a free 30 day evaluation licence to your car"

Diagnose your vehicle from your home PC. Pre-book corrects spare parts and service time and place.

Software Reconditioning enabled by Download of JAVA applets to vehicle ECUs

When vehicles get connected hackers may break into the vehicle to make unauthorised motor trimming, implant data virus or make dangerous commands. In fact unauthorised reprogramming of vehicle ECUs is already a reality. Mecel introduces complete solutions for **vehicle security**, including state-of-the-art **encryption technology** all the way from the Internet to the embedded electronics.

Flight Recorders with remote access can be used for advanced trouble shooting, driving statistics and follow up, and accident playback.

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