

Mecel 20 years

Göteborg, Sweden – September 1, 2002

Mecel formally started 1 September 1982, (legal starting date 6 October) pioneering engine management systems. Since then Mecel has continued exploring and implementing cutting edge technology in applications for combustion engines and automotive. Mecel today is a systems and software house with international reputation to be professional and innovative.

Engine Management Systems.

Most of the pioneers from the early 80-ies are still in the company. Former president and founder Hasse Johansson left in January 2001 for Scania, but the co-founder of the company Jan Nytomt is still active both as Business Area Manager and innovator. Jan fosters the core technology development and a continuous flow of patent applications.

Mecel played a key role in the development of the Saab Direct Ignition system and its successor Saab Trionic, a sophisticated engine management system which controls ignition, fuel injection and boost pressure. Saab Direct Ignition was the first system on the market utilising the Mecel patented Ion Sensing technology. Since the first patent was filed in 1984, Mecel has continued to develop additional enhanced functionality that can now be offered through Ion Sensing.

Automotive, Industrial, Racing....

We are continuously involved in development programs covering a wide range of engines like F1-Engines, Direct Injected Gasoline Engines, Diesel Engines and Natural Gas Engines.

- "We have several ongoing research programs in various engine application areas to maintain and expand our technical know-how and experience, says Anders Göras who knows from earlier successes.

In 2002 Mecel also launched its Mecel Mk-4 diesel engine bank control module that controls a bank of a large marine diesel engine (V20 engine with a rated power of 12.200 hp, 9000kW).

Concept vehicles

Mecel played a very active role in the Prometheus program 1986 - 1994, lead by the European car manufacturers. It was an R&D program using a top down approach to develop the ultimate solution for road transportation. Mecel worked mostly in the area of basic architectures and dependable computer systems. We were also helping car manufacturers developing demo-cars using advanced cruise control, head-up-display and navigation.

- We have since then integrated many advanced systems to support safe driving, says Sven Larsson one of those who was there demonstrating Intelligent Cruise Control in 1994 in Paris.

“Mecel-old timer” Anders Eliasson remember well the Personal Productivity Vehicle from 1998. It got a lot of interest in media and at car shows. The car demonstrated a connected Auto-PC and docking of a PDA adapted to be used while driving. The car was developed in only two months. The follower Saab Buck was the first demo of an integrated system with WAP-browser an Bluetooth wireless communication to a mobile phone. Edge technology at that time, 1999 at IAA Frankfurt Motorshow.

Distributed in-vehicle systems

Matts Lindgren is another Mecel pioneer from the mid 80-ies, still very active in the area of multiplexed systems in vehicles. The first production system was launched in the Saab 900 in 1993. Matts insight already before that, was that the distributed architecture require a new generation systems engineering methodologies and tools. It is still valid!

During our 20 years in the automotive business, we have worked with virtually all aspects of distributed systems; low-speed body/comfort systems, high-speed fiberoptics-based systems, embedded platform functions invisible to the user and high-end infotainment functions with intense user interaction. Since 1999 local wireless communication via Bluetooth and off-board telematics services is added to our core knowledge.

Machinery Management Systems

Mecel has formed a new Business Area to market and develop iKeeper to owners of construction machinery. iKeeper is a machinery management system for surveillance and control of all kinds of construction vehicles and industrial machinery. Each machine is equipped with a Flight Recorder, which continuously logs data and position of the vehicle and transfers the logged data information to a service centre through a GSM network. The information at the service centre is available to the user via a standard web interface.

- “We use our 20 years of experience of in-vehicle electronics, diagnostics and telematics”, says Kent Eric Lång, Managing Director at Mecel. “This is the way we will continue to grow, use core technology know how to new markets and develop edge technology”.

About Mecel

Mecel AB is a systems and software house with operations in Åmål and Göteborg, Sweden. Since its start in 1982 Mecel has supplied advanced engineering services and break-through technology concepts to the international automotive industry. The customers are among the leading manufacturers of vehicles and combustion engines, as well as their systems suppliers. Mecel holds approx. 40 patents.

Mecel has approx. 180 employees. Certified for ISO 9001.

Mecel is a subsidiary of Delphi, the worlds largest supplier to the automotive industry.

Further information about Mecel is available at www.mecel.se.

Press contact for Mecel AB:

Kent Eric Lång, Managing Director

Phone: +46 704 31 33 20

Fax +46 31 40 31 50

e-mail: kent-eric.lang@mecel.se

This news is available at

<http://www.mecel.se/news>
