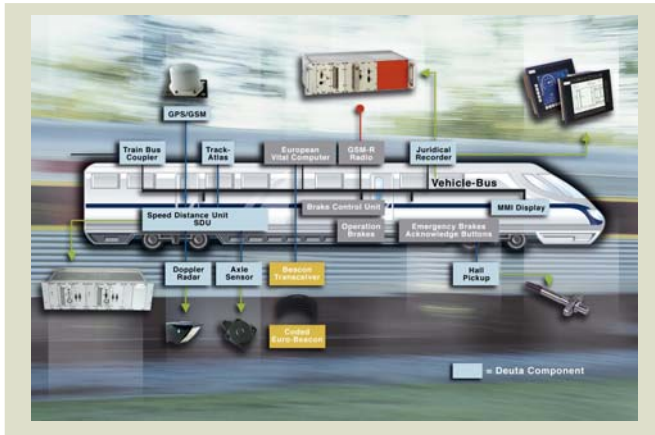


Deuta InnoTrans Highlights

InnoTrans 2004

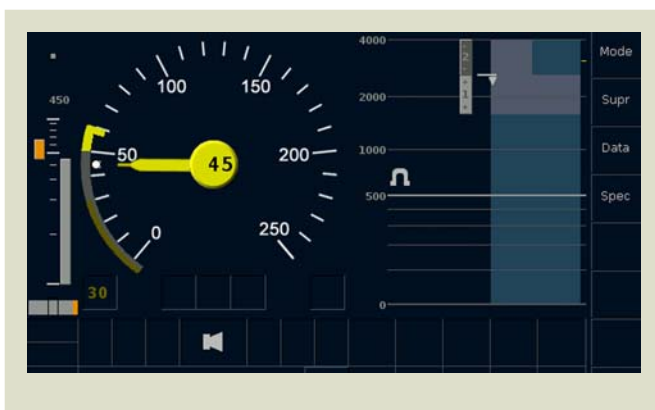
DEUTA-WERKE GmbH
 Paffrather Str. 140
51465 Bergisch Gladbach
 Telefon +49 (0) 22 02 958-0
 Fax +49 (0) 22 02 958-145
 e-mail: support@deuta.de
 http:www.deuta.de

Deuta + ETCS



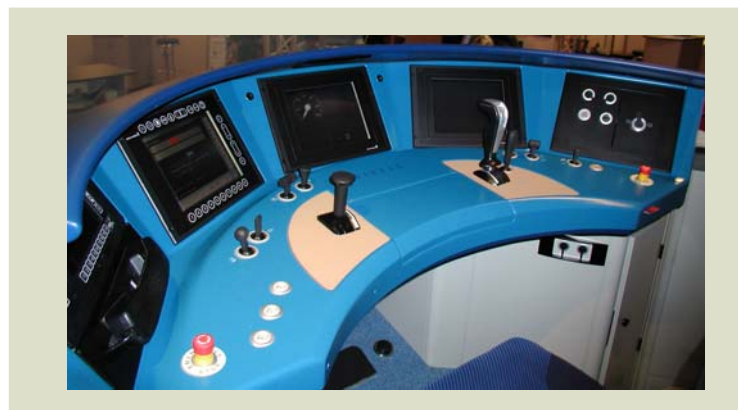
Deuta's products are an **integral part of numerous ETCS projects**. Employed in the **Czech Republic and Switzerland**, for example, Deuta's sensors, displays, monitoring systems and on-board computers permit safe driving all across Europe.

Deuta + Virtual Instruments



Deuta clears up your driver console. Deuta's **virtual instruments** are comparable in appearance with „real“ analog indicators. Find out for yourself!

Deuta + Driver's Desk



Deuta, your competent partner in the field of **driver's desks**, offers you its extensive know-how in **project work, production, validation, start-up and after sales service**.

New conceptual approaches to friendly **service and component replacement, effective cooling, and modular design** are only a few of the new features introduced by Deuta.

The use of innovative techniques such as **internally networking** all components using the **CAN bus** make Deuta's driver's desk the intelligent system of the future. A **reduction in wiring expense, simple diagnosis and scalability** are only a few of the advantages of this technology.

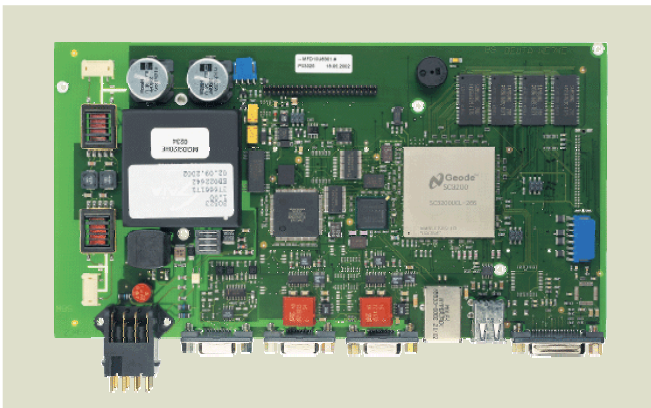
Deuta **implemented** the complete upgrade of the driver's desk system in a **new architecture** to enhance its usefulness to the customer to the maximum.

Deuta + Recorder



A new generation of recorders for tram lines and standard-gauge railways logs your travel data reliably and cost-effectively. Innovative: The scaleable family of recorders.

Deuta + Embedded Systeme

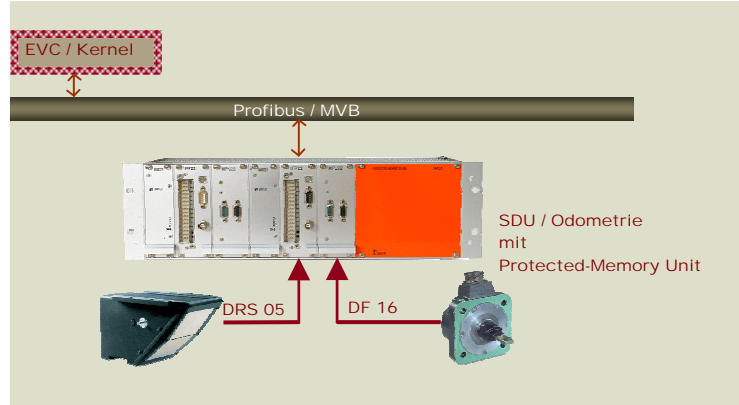


Miniaturised, "embedded" electronic systems allow innovative product functions with simultaneous increases in product reliability and life-time and optimized life-cycle costs (LCC).

DEUTA offers qualified embedded solutions for new markets with its own EPC-Board Design-group and its own BGA-SMT manufacturing

The DEUTA EPC-competence is advantageously extended by cooperations with renowned international hardware and software partners.

Deuta + Speed and Distance Units



The DEUTA SDU (**SDU: Speed and Distance Unit**) is an onboard equipment – suitable for ERTMS / ETCS Level 1 – 3 for way-, speed- and position information of rolling stock. Optional the unit can be extended with a **Protected-Memory Unit** and other components to realize an **on-train monitoring and Recording Unit / Incident Recorder**. The Odometry System with integrated Recorder Unit enables reducing investment costs although newest ETCS capabilities.

Deuta + Retrofit



Deuta + Retrofit: – We will show you how to refurbish your rail vehicles again for future use.

We are always at your service!

Germany

MAIN WORKS
DEUTA-Werke GmbH
Postfach 200260
D-51432 Bergisch Gladbach
Paffrather Straße 140
D-51465 Bergisch Gladbach
Fon +49 (0)22 02.9 58-0
Fax +49 (0)22 02.9 58-145
E-Mail: support@deuta.de

BRANCH

DEUTA-Werke GmbH
Postfach 150
D-95127 Schwarzenbach a.W.
Brunnenstraße 24
D-95131 Schwarzenbach a. W.
Fon +49 (0)92 89. 9 39-0
Fax +49 (0)92 89. 9 39-450
E-Mail: info-bs@deuta.de

DEUTA Werke GmbH
Competence Center Gercom
IPC Displays & Infosystems
Bürgermeister-Graf-Ring 21
D-82538 Geretsried
Tel +49 (0)81 71 42 24-0
Fax +49 (0)81 71 42 24-98
Email: info@gercom.de

North America, Canada, Mexico

DEUTA America Corporation
111 West Port Plaza
Suite 600
St. Louis, Missouri 63146, USA
Fon +1 314.542.3042
Fax +1 314.542.3111
E-Mail: sulewski_deuta_america@msn.com

China

ASSOCIATED COMPANIES Shanghai-DEUTA
Electronic & Electrical Equipment Co. Ltd.
No. 179, Jiang Chang Road West
Shanghai 200436
P.R. China
Tel +86 21 56 77 65 90
Fax +86 21 56 77 65 92
Email: shdeuta@public7.sta.net.cn

Rail vehicle operators and their system suppliers the world over make use of Deuta-Werke's extensive know-how to make modern transport technologies efficient, reliable, safe and profitable. Deuta offers individual as well as complete solutions involving sensors, display systems, man-machine interfaces, train protection systems and IT systems for traffic and automation engineering. Deuta's embedded solutions meet the high demands placed on the reliability and availability of mobile applications by their rugged operating conditions.

Please send us an e-mail if you like to get this newsletter regularly!