



EuroTelematik

>> we find your better way

ADS-B-Solutions

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„ADS-B In“ – Cockpit Solution

Reception of ADS-B messages and display to the flight crew



RT60: 1090 MHz ES Receiver

- Reception of DF17 and DF18 ADS-B messages
- According to RTCA DO-260(A)

Antenna

- Transponder/DME antenna



CDTI-2000: Multipurpose-Display

- Decoding of ADS-B messages
- Presentation of Traffic
- Terrain indication and MovingMap

„ADS-B In“ – Ground Solution

Reception of ADS-B messages and display to ground operators



RT60: 1090 MHz ES Receiver

- Reception of DF17 and DF18 ADS-B messages
- According to RTCA Do-260(A)

Antenna

- Fixed installation

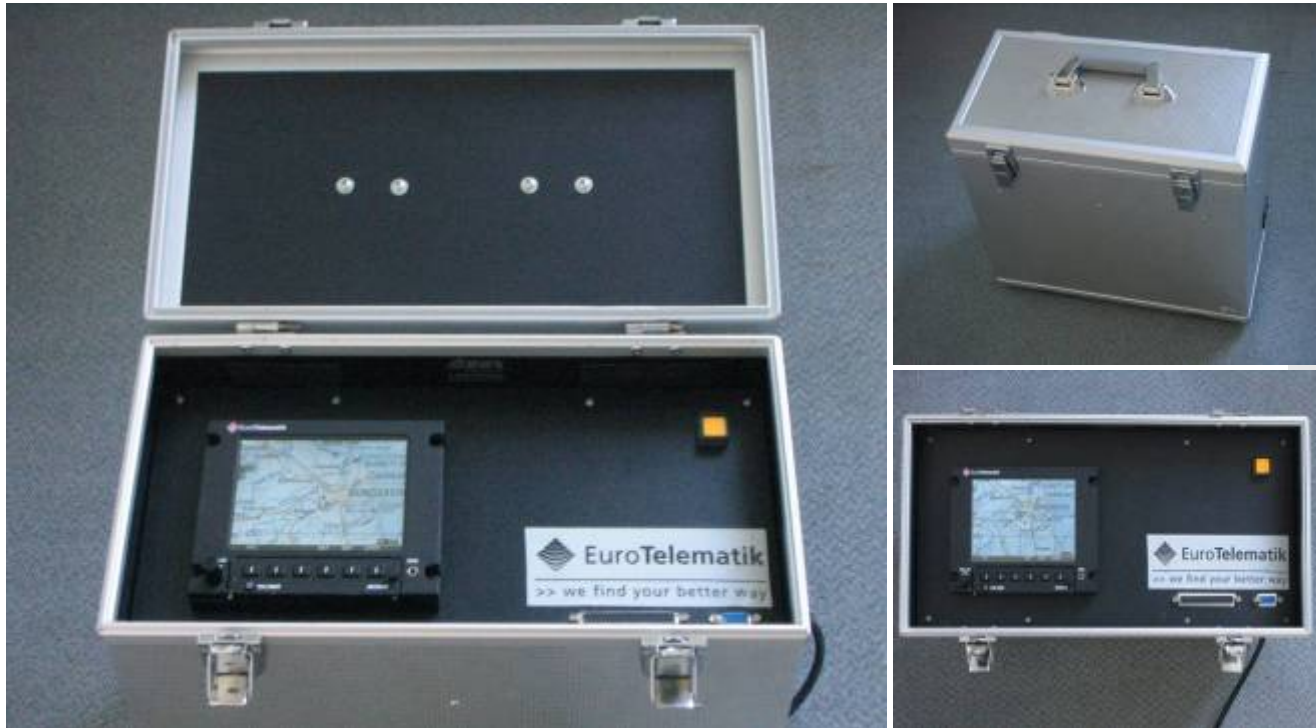


AeroFleet: Ground software

- Decoding of ADS-B messages
- Presentation of Traffic (Aircraft and vehicles)
- Selectable charts
- Supports Two-Way communication

„ADS-B In“ – Mobile Solution

Portable case with all required components for ADS-B In

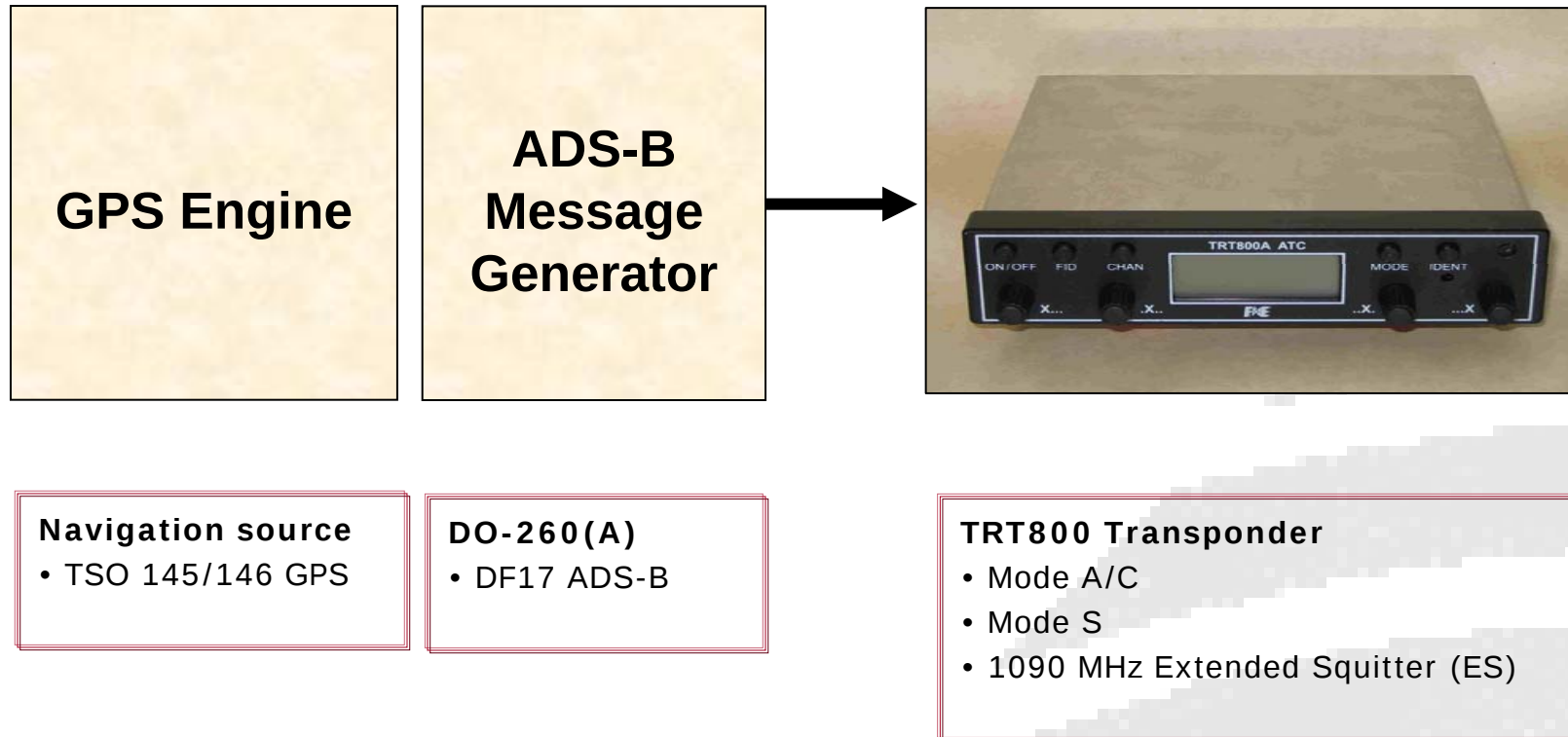


Components

- CDTI-2000 multipurpose display
- RT60 1090MHz ES receiver
- Antenna interface
- Power connector

„ADS-B Out“ – Cockpit Solution

ADS-B Out: Basic solution



„ADS-B Out“ – Vehicle Solution

ADS-B Out: For airport vehicles

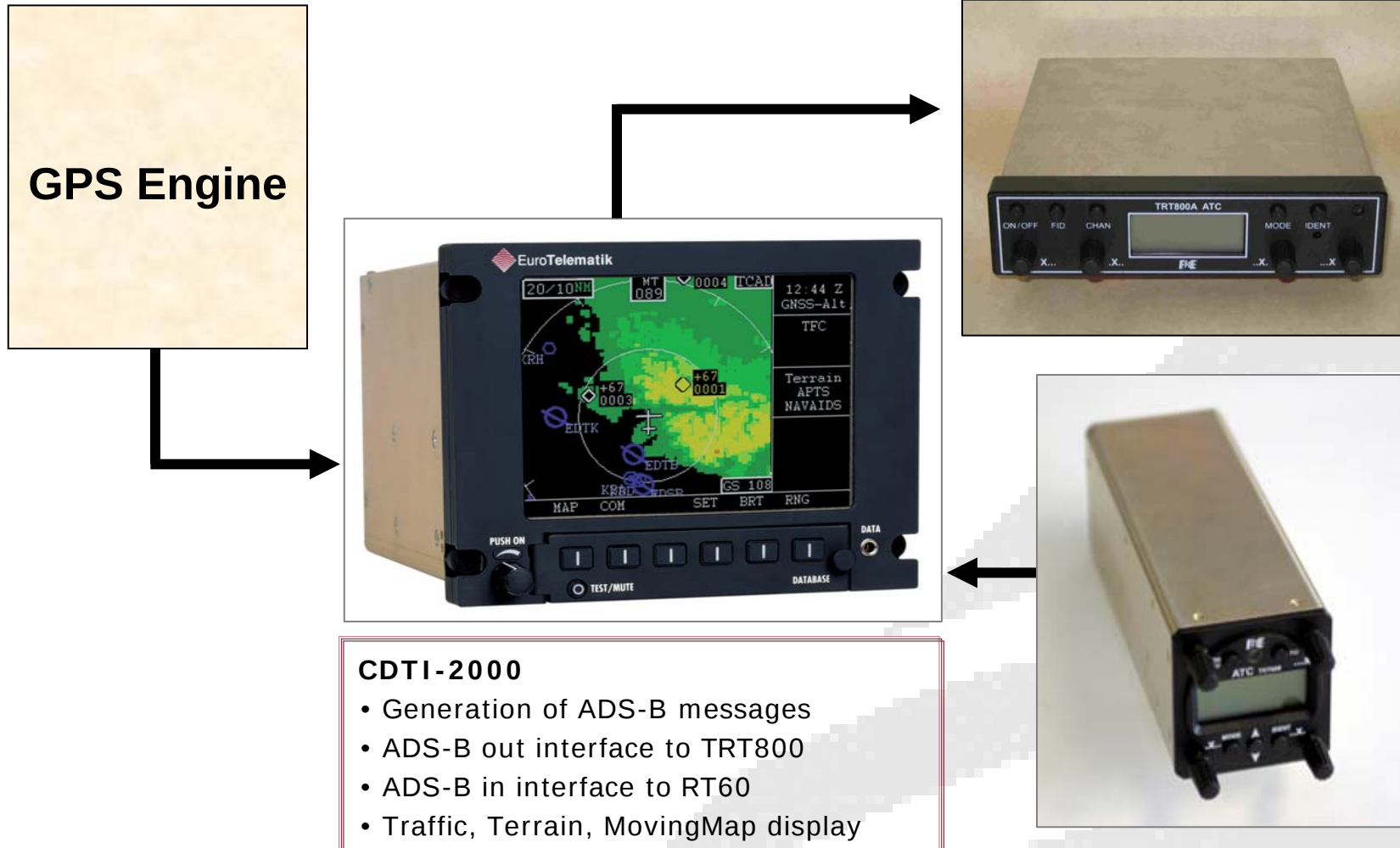


TRH 80 Mobile Transponder

- GPS Engine
- 1090 MHz Extended Squitter (ES)

„ADS-B“ – Advanced Solution

ADS-B In/Out: Advanced solution



CDTI-2000®

Capabilities



Traffic Display

- ADS-B over Mode S 1090 ES
- ADS-B over VDL mode 4
- TIS-B over VDL mode 4
- TCAD over Ryan Sensor Systems

Moving Map Display

- From digital charts
- Customer charts possible
- From navigation data base
- Including terrain indication

Communication

- Position reporting
- Text messages
- Mission data uplink
- Over Iridium satellite link
- Over VDL mode 4

Certified Avionics Products

CDTI-2000®

Technical Information



Dimensions

Height 114,00 mm
Width 146,05 mm
Depth 185,00 mm
Weight 2 kg

Power supply

10-32 VDC (50W)

Interfaces

RS232 external GPS
RS232 Ryan TCAD
RS232 Satcom Modem
RS232 Altimeter (via serializer)
RS422 VDL Mode 4
Mode S 1090MHz ES Receiver

Environmental qualification

RTCA/DO-160D Env. Cat
[(B1)X]CAB[(SM)(UF)]XXXXXXZ
BABZWM [XXF3]XXA

Temperature range

Operation: -15°C through +55°C
Storage: -25°C through +85°C

Certification

ETSO C113, C147
EASA Form One provided

Flight Companion® CDTI

Capabilities



Traffic Display

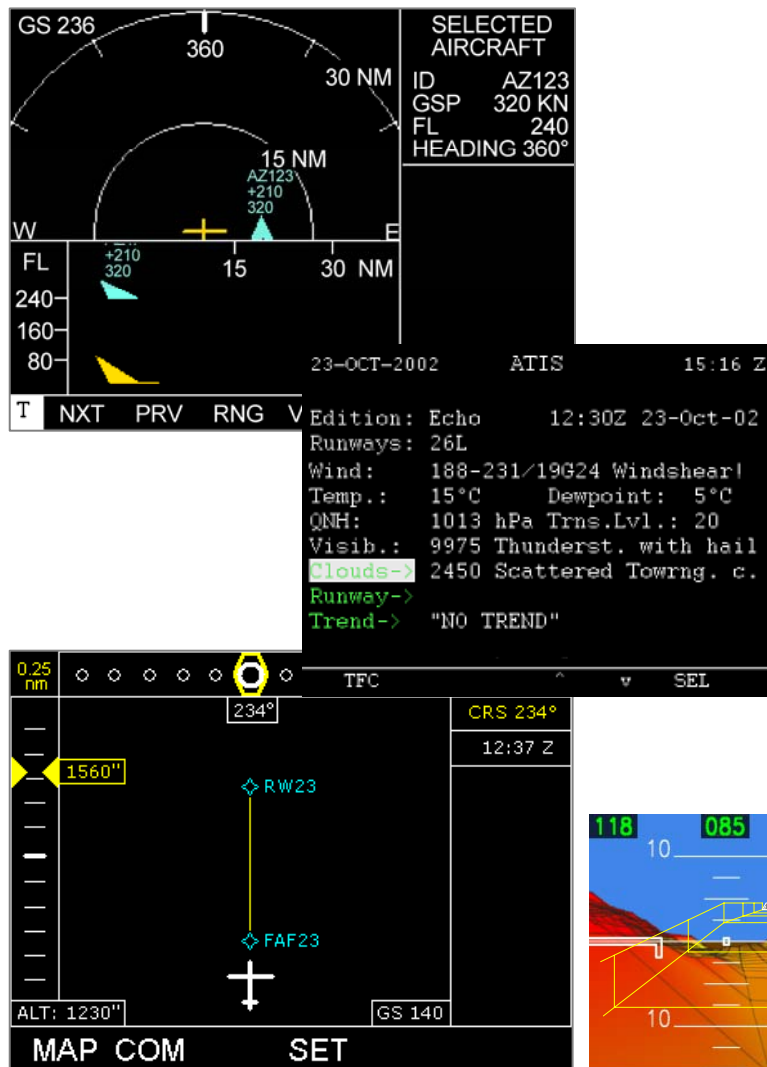
- ADS-B over Mode S 1090 ES
- ADS-B over VDL mode 4
- TIS-B over VDL mode 4

Moving Map Display

- From digital charts
- Customer charts possible
- From navigation data base
- Including terrain indication

Other Solutions

For R&D projects / For experimental use / For pre-operational trials



Airborne Separation (ASAS) Functions

- According to specifications by MFF

D-ATIS / FIS-B

- According to specifications by MEDUP

GRAS-4

- According to specifications by NUP II

CDTI for General Aviation

- According to specifications by TAGA

3D-Flight Guidance

- According to specifications by 3DED

Further functions

- According to Your specifications

Our efforts in national and international aviation research and development projects have led to customer-oriented system solutions for more safety, efficiency and flexibility.

Our goal is to provide safety, efficiency and flexibility. We strive to achieve the highest technical standards. In order to meet this goal consistently, we are investing in the future and participating in several national and international research and development projects. These development and research projects provide in-depth knowledge which directly benefits our products.

This is the key to achieving our ultimate goal: to fulfil and exceed your requirements and expectations.

Our expertise

Our Cockpit Display of Traffic Information (CDTI) technology has been developed in many years of research in several projects (e.g. in FARAWAY, or in TAGA with a special focus on General Aviation) where usability has been demonstrated in the respective flight trials.

Euro Telematik's CDTIs are currently being used in a large variety of evaluation projects (e.g. NUP II in Scandinavia and in Austria, MEDUP and MFF in the Mediterranean area, the Australian Lower Airspace Program).

Our Customers



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CONTROL



BAE SYSTEMS



esa



LEAT S&L
Group VERBODEN



LUFTFARTSVERKET



Indra



EADS



AMS



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AIRSERVICES AUSTRALIA



ESG



DFS Deutsche Flugsicherung

Project Partners