

Our competence

Firmware

Hardware driver, booter /startup,
DSP (TI, NEC and AT&T),
file system (PCMCIA, ATA etc.)
Ethernet, USB, Infrared, RFID, PCI, CAN-bus

Operating systems

OSE (ENEData), Embedded Linux,
Thread-x, proprietary OS (realtime)
Unix, Linux, MS-Windows

Protocols

ISDN-Protocols: L1-L3
internet protocols: TCP/IP, BOOTP/DHCP
H323, SIP, IAX2, RTP, STUN, ENUM, NAT..

Applications

Voicemail systems, Autoattendant, LDAP,
Voice-over-IP, Media Gateways, Asterisk,
CTI, MS-TAPI

Software design tools

ClearCase, ClearMake
ClearDDTS (ClearQuest),
Subversion, CVS
SDS-Debugger, Lauterbach Trace32
Compiler (DIAB and GNU).

Programming languages

C, C++, Fortran, Pascal, Java, JavaScript,
VB, PERL, PHP, HTML, WML, PL/SQL,
Assembler, Shellprogramming.

Contact information

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The logo for ten net, with 'ten' in a bold black font and 'net' in a bold orange italicized font.

Hard & Software Design

**From a concept
to the full product**

Our ambition

We are a team of specialists dedicated to Embedded Systems. We cover the complete development process from the hardware, software via user training up to the manufacturing introduction. We supply to you all you need, from a concept to the full product. Apart from that we determine with own product the trends of the future.

For years we have been a successfully cooperating team responsible among other things for the successful communication systems OpenCom 1000 and OpenCom 1010 of the Aastra DeTeWe GmbH. **tennet** was founded as a Spin-Off of Aastra DeTeWe GmbH. We started our business activity with 10 fellow employees in 2005.

Our strengths are the versatile know-how and the close cooperation in our team, in which everyone knows about the other's ability and appreciates his contributions to a successful product.

We develop your products following a controlled schedule. A status report and documentation of your project are self-evident for us.

Apart from telecommunications we accomplished successfully development projects with world-wide operating companies in the range of automotive, regenerativ energy sources and electronic closing systems.

Services & skills

As a team we are able to pursue your ideas of products and realise them into the hard- and software. Afterwards we can transfer the designed product into a manufacturing process.

Additionally we are used to work together with other project teams on shared projects in various locations.

We support and advise you on defining your ideas of products and help describing the product specification. We plan the project and implement it on schedule for you at least possible cost.

For the hardware products we supply all manufacturing documents, test and verification equipment containing the test software. We attend and support the start of production.

On request we can offer corresponding training courses. We supply technical descriptions and manuals.

Products

Development of our own telecommunication products is rounding off our portfolio. With our trend-setter product **easyVoiper** your PBX becomes capable of providing VoIP and UMS. See for details www.easyvoiper.de

Our competence

System design

Analysis, specification, technical documentation, modular system architecture, EMC compatible concepts, Concepts for test and verification.

Analogue and digital circuit design

Single and multiple CPU systems, PowerQUICC I and II, AVR-Controller, VHDL-Design for CPLD, FPGA etc., digital signal processors (DSP), analogue and digital communication interfaces, router, media gateway (VoIP).

Qualification

Start-up tests of Prototypes, module tests, EMC-tests, transmission tests, environment tests, preparation of boundary scan tests.

Hardware design tools

Schematic diagram, layout, HDL-designer: Mentor Graphics and OrCAD
Boundary Scan Systems: Göpel electronic and JTAG Technologies
