



ENGINEERING

MEASUREMENT
SYSTEMSFLEET
MANAGEMENT

ENERGY

VISPIRON
HIGH ENGINEERING

ENGINEERING

ENGINEERING

TELECOMMUNICATIONS

ELECTRONICS & SOFTWARE DEVELOPMENT FOR TELECOMMUNICATIONS.

Mobile data transmission is an essential part of our world today, whether private or for business. New innovations in transmission and application form the basis for successful networking. Our competency and many years of experience in the sectors of electronics and radio and frequency technology allow our engineers to actively partake in shaping this process on the product development level.

We are development partners for numerous telecommunications companies and mobile telephone providers. Our engineers develop products and applications for base stations and end-user devices. The development of products in radio technology is also supported by our engineers. Besides our competency in the transmission protocols UMTS, GPRS, EDGE, HSDPA and LTE, we also develop proprietary and encoded radio technologies and the attendant electronic hardware. And we even accept overarching responsibility for project and quality management throughout all steps of the V-Model.

ELECTRONIC AND SOFTWARE COMPETENCY

Our services in the electronics and software development for telecommunications:

- System engineering
- Requirements engineering
- Embedded software development
- Protocol test
- Protocol development
- System integration
- Software module test (White-Box-Test)
- Software system test (Black-Box-Test)
- Hardware development:
 - Hardware design
 - Analog technology
 - Digital technology
 - Mixed signal

Tools and methods (extract):

VxWorks, Windows CE, Linux, C/C++, Java, C#, Ada, OOA, OOD, UML, DOORS, CMMI, V-Model, FPGA, VHDL, GSM, GPRS, UMTS, EDGE, HSDPA, LTE, WCDMA

We use our electronics and software competencies for the following product sectors (extract):

- Mobile telephony base stations
- Mobile telephony end-user devices
- Radios
- Measuring technology
- Radar systems

