

Walter Borst

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As hardware and software developer and project manager self employed since 1992. Detailed profile and references can be made available on request.

Main emphases: Software and firmware for 8/16/32 bit microcontrollers, test software and simulations under Windows, implementation of time critical operations and digital communications.

Salary: 98.- Euro/hour (without tax and expenses).

Progr. Languages	FORTRAN, PASCAL, VB, C, C++, C#, SQL, Java, Assembler, Phyton
Special Languages	DDL, HTML, XML, Java Script, VB Script, UML
Operating Systems	DOS, Windows 3.1/3.11/98,NT,2000,XP, 7,8, CP/M, Linux MicroC OS-II, EmbOS, Sciopta, QMX, VxWorks
Microcontroller	6800, 6805, 6809, 6811, 680xx, 8080, 8085, Z80, 8086-80386, 8031/51/52, H8, M16C, PIC, ARM, Stellaris
Platforms / Interfaces	GEM, MFC, COM, DCOM, Borland Builder, Delphi, Visual Basic, Visual Studio.net, Eclipse, Netbeans
Hardware	Gate-Array Design, intrinsically safe electronic circuits, microcomputer design, A/D-conversion, connections to fieldbus
Communications	HART, CAN/CANopen, PROFIBUS, FF, 802.x, TCP/IP, Modbus
Languages	Deutsch(mother tongue), English
Recent Projects	
2013	Development of a communication software as HART 7.4 for Windows and embedded systems. The components had been master, slave and analyser.
2013	Development of a thermal mass flow meter .
2012-2013	Development of a software for the calculation of fluid properties for liquids and gases.
2011-2013	Development of a Vortex flow meter .
2010-2012	Development of a software platform for the pc-simulation of field devices in VS 2005.
2007-2009	Development of a software platform for embedded systems. Development of a test system with integration of a pc-simulation in Visual Studio .
2006	Development of a measurement method (robot application) for the analysis of magnetic fields.
2006	Development of complex pump control algorithms for an embedded system.
2005-2006	Development of a TCP/IP stack for embedded systems for 8/16/32 bit microcontroller very limited resources.
2004-2005	Software project management, system design and development: Thermal flow transmitter, HART, Profibus PA and MODBUS
2001-2004	System design , development and software project management: Software-Platform for two wire flow transmitter with variable I/O structure Development of a PC simulation for the embedded software development in Visual Studio Support with the integration of the platform into various devices