

Jack van Nuenen

- Objective** Contract
- Personal details** J.W.M. (Jack) van Nuenen, ing.
Born 1957 June 12, Tilburg, Netherlands
PO Box 1031, 5512 ZG Vessem - Boscheind 55, 5575 AA Luyksgestel
tel +31 497-594050 fax +31 497-594051
Email jvn@vns.nl - web www.vns.nl
Not married, 3 children
- Experience** 1994–now VNS Luyksgestel, NL
Embedded Systems Design
- Independent consultant in the field of software design. Own acquisition.
 - Assistance with R&D projects for a variety of industrial products with micro controllers, DSP's, field busses and communication technologies.
 - User-interfaces, (virtual) prototyping, RTOS-es, UML Statecharts.
 - Development of many PC based control applications (Delphi).
 - Team support, tool introduction, process improvement at customer sites.
- 1988–1994 PIV Eldutronik Bladel, NL
Project leader R&D
- Embedded software, power and control electronics, project management for the development of various models of frequency inverters.
 - Introduction QA system ISO 9001, IRM project for NS (Dutch Railways).
 - International ESSI project with Bang & Olufsen (Dk) and Sextant (Fr).
- 1985–1987 ZAPI de l'Est Bertoua, Cameroun
Responsable des Usines
- 'Third world' development cooperation through SNV, embedded in a Cameroonian organisation for the development of rural areas.
 - Responsible for the construction and maintenance of an electrified infrastructure of *stations de décortilage* (local treatment of coffee).
- 1979–1985 Eldurail - Eldutronik Bladel, NL
R&D engineer – documentation engineer
Power and control electronics, test applications, products for stable automation (feeding and ventilation systems). Documentation.
Job interrupted by:
- 1980–1982 De Berkt Veldhoven, NL
Attendant, institute for mentally handicapped adults
As legally recognised *conscientious objector military service*.
Day care (farm activity) for *high-level* pupils of the institute.

Education	1979	HTS Electrical Engineering	IHBO Eindhoven
	1975	MTS Electrical Engineering	RK MTS Tilburg
	1972	LTS Metal	3 ^e RK LTS Tilburg

Software skills

- C and Assemblers for a wide variety of targets - many years of experience
- Object Pascal (Delphi) under MS Windows - many years of experience
- UML Statecharts (visualSTATE); extensive knowledge and experience
- Object orientation, Component orientation (also in non-OO environments)
- Real-time Operating Systems, Parsers, Schedulers, networking
- Version and configuration control, CASE tools, design methods
- Experience with many communication protocols and chips
- Adobe Flash, GUI design, GUI virtual prototyping
- (X)HTML, scripting, ASP, XML, PHP, MySQL, Web site design

Examples of various projects through VNS

- Technical customer support (2 years) on embedded development tools from Lauterbach, IAR, Keil, Phyton, XJTAG and others on behalf of tool distributor Tritec, serving customers such as TomTom, Océ, iRex.
- Port for Interniche of their TCP/IP stack to Atmel ARM based SoC under GNU environment.
- Fast data acquisition with CAN and Profibus-DP transport drivers for T.I. and Fujitsu microcontrollers in Power Electronics application
- Architecture, design and implementation of the first generation SparkLink software (Delphi) for sample analysis equipment from Spark Holland BV
- Architecture, design and implementation of GUI of DMS8000 in-line CD/DVD Mastering machine of OMP (now Singulus Mastering)
- Web design for various artists. Creation of a proprietary web CMS.
- Design and implementation of Borland 7 classes for linear motor control in the translation unit of a Laser Beam Recorder (Singulus)
- Creation of a protected software system for knowledge-based generation of control parameters for Reverse Pulse Plating processes (EasyPulse)

Other merits

- Life long professional experience with industrial electronics
- Experience presenting complex technical products and design tools
- IEEE Associate Member 40055009
- Courses Organisation Theory 1A/1B – Open University
- Courses Project Management, Quality Assurance
- Drivers license BE
- Languages: English (fluent), German, French (workable), Dutch (native)

Interests

- Music. Playing guitar
- Squash, fitness.
- General education and freedom of mind