

Resume

Educations

Certificate

2012 – 2017	Bachelor Electrical engineering, BSc, NCOI Netherlands. Specialisation: Energy Supply. Thesis: Implementation of NEN-EN-IEC 61439.	Yes
2007 – 2008	Diving Category A, Dutch Royal Navy, Den Helder. Provision of diving work to 15 meters depth.	Yes
2004 – 2006	EVO/TOKM. Technical training, Dutch Royal Navy Den Helder. Secondary vocational education Ship systems (mechanical engineering/Electro/hydraulic).	Yes
1999 – 2000	MEAO automation, ROC Aventus Deventer. Secondary vocational education. Modules: Windows, Word, Excel, PowerPoint, administrator technical infrastructure.	No
1996 – 1999	MTS electronics, ROC Overgelder college Deventer. Secondary vocational education Modules: Electrical engineering FLEX: part 2.02 to 2.06.	No
1992 – 1996	LTS Electrical equipment, Revius Deventer. Pre-vocational secondary education. Modules: Dutch C, English C, Mathematics C, Physics C, Practical B, Theory B, Drawing B.	Yes

Other training/courses

Training:	NEN3140 Professional person, Reducor in Emmen.
Training:	Delphi Foundations 1 and 2 (Delphi programming), DTS in Meppel.
Training:	Reach truck training, Leus Almelo.
Training:	VCA (Safety Checklist Contractors – For Operational Supervisors), PBNA.
Training:	Eplan Electric P8 Eplan training, at Zevenaar.
Course:	Technician industrial automation module A, Derksen Opleidingen.
Training:	Typical Manager, Yellax.
Training:	Safety systems (EN ISO 13849-1 safety of machinery), D & F Consulting B.V.
Training:	NFPA79 / UL508A (Electrical standard for Industrial Machinery), Dekra Certification B.V.
Course:	Basic Accountancy, Nederlandse Handels Academie.

Work experience

2013 – 2018 Lead engineer hardware at Clafis ingenieurs at Groningen/Hengelo.

Engineering's/drawing work done at various customers:

Lead/project engineer at various customers:

- Design/development of Single Line Diagrams
- Design/development of Cable course schedules
- Design/development of Load balance
- Short circuit calculations
- Cable + conduit calculations according to NEC/NFPA 70 standard
- Harmonic calculations
- Arc-Flash calculations
- Outsourcing/review/coordinating detail engineering (IEC 60204 and NFPA79)
- Engineering process installations under UL508/NFPA 70 standard
- Engineering process installations under FM approval Class1, Division 2
- Design and defend Electric concept at American end customer
- FAT/SAT commissioning at end customer
- Compose test Plan
- Perform Low voltage test according to test plan
- Developing concept of medical prototype according to IEC 60601 standard
- Internal research into agreements/differences between IEC 60204 and NFPA 79 standard
- Internal research into agreements/differences between IEC 61010 and UL 61010 standard

E & I / hardware engineering work done at various customers:

- Detail engineering with Eplan Electric P8 Eplan, AutoCAD, 5.7
- Developing a database of Yellax Typical manager
- Experience with Eplan EEC One
- Advanced experience with Microsoft Excel
- Implementation of the NEN-EN-IEC 61439 standard
- Making a safety matrix for a prototype machine
- Functioning in a R & D Department

2011 – 2013 Hardware Engineer at JB Besturingstechniek B.V. in Oosterwolde.

- Drawing/engineering of electrical systems in the machine building and process industry in Eplan Electric P8
- Various work preparation work
- Simple programming with Excel/VBA/Eplan Electric P8
- Testing and parameterization of built MCC / Control cabinets

2010 – 2011 Work preparator at Limitec B.V. in Hardenberg.

- Calculate, create quotations, guiding small projects during installation and financial route.
- Several work preparation tasks
- Drawing in AutoCAD 2011, from mechanical drawings in 2D to electrical diagrams of control units and topography maps for public lighting
- Simple programming, Excel and access VBA and other simple IT tasks

2008 – 2010 Hardware Engineer at EI-Tec in Hattem.

- Drawing of Electrotechnical shipping systems (Eplan Electric P8/AutoCAD)
- Various work preparation work
- Simple programming with Excel / Eplan Electric P8
- Calculations, order with Microsoft Navision Enterprise resource planning system

2004 – 2008 Electro mechanic / Diver in the Dutch Royal Navy.

- Responsible for preventive / corrective maintenance of various ship systems (Electro/mechanic/hydraulics)
- Armed guard, which must be quickly and appropriately a calamity occurred
- System monitoring in 3 shifts on sea which must be quickly and simply
- Function as a technical specialist in emergencies
- Diving as a side task

2003 – 2004 Stroomwerk Energy B.V.

- Chef Workshop Electric mechanic
- Replacement Warehouse Manager