

# CURRICULUM VITAE



## EMPLOYEE PROFILE

**NAME** : Rene Heijenberg  
**DEGREE** : MSc. BA / B Eng.  
**YEAR OF BIRTH** : 1961  
**RESIDENCE** : Driebergen, the Netherlands  
**NATIONALITY** : Dutch  
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## PROFILE:

### BRANCH EXPERIENCE

Process Automation "from Instrument to Boardroom"  
Process industry (oil & gas, chemicals / fine chemicals, food / dairy,  
infrastructure, drinking water)

### EXPERTISE / KNOWLEDGE AREA

Senior Project Management (Multi-disciplinary)  
Risk Management  
Process automation (DCS, PLC, SCADA, MES)  
Functional safety / Process safety (PHA, HAZOP, SIL)

### WHAT GIVES ME ENERGY?

Initiating and organizing of complex projects  
Interim management for engineering department or PMO (project management office)  
International challenges

## EMPLOYMENT HISTORY

Safewise, Driebergen, NL	Freelance Consultant	2005 – ongoing
Invensys (Foxboro), Baarn, NL (System supplier)	Senior Project Manager	2000 – 2005
Allmons, Waalwijk, NL (Consultancy)	Consultant/Project Man.	1999 – 2000
Vega IT, Hoofddorp, NL (Staff placement)	Consultant	1992 – 1999
Miles g.s.m, Breda, NL (Staff placement)	Lead Engineer	1988 – 1991
Foxboro NV, Soest NL (System supplier)	Application Engineer	1985 – 1988

## EDUCATION

MSc in Business Admin. (Organizing of organizations/ Sociotechnique), Univ. of Nijmegen <i>Thesis subject: "Can Resilience Eng. help in balancing Outsourcing of RBM"</i>	2010 - 2013
BSc. Applied Operational Technology (AOT), School for Polytechnics, Utrecht	1982 - 1985
Marine Engineering BM-grade, School for Marine Engineering, Utrecht	1977 - 1980

## COURSES TAKEN

Professional Scrum Master PSM 1 @ Prowareness / Agile.com	2018
Masterclass Project Risk Management, PMI, London	2014
Business Management for Professionals, School for Polytechnics, Amsterdam	2002
Masterclass Advanced Information Technologies, CIBIT Utrecht	1997
Modern Western Philosophy, University of Utrecht (propaedeutic)	1994 - 1996
Development of Knowledge Based Systems, CIBIT Utrecht	1993
Advanced Class in Business Science, IBW, Utrecht	1989 - 1991

## CERTIFICATIONS

Professional Scrum Master PSM 1  
 PMI Project Management Professional (PMI-PMP)  
 PMI Risk Management Professional (PMI-RMP)  
 Prince2 Foundation  
 Functional Safety Engineer by TÜV Rheinland (IEC61508 / IEC61511 engineering)  
 Functional Safety Engineer by Shell (Shell SIFpro)

## ADDITIONAL BUSINESS ACTIVITIES

<a href="http://www.MetaRiskManagement.com">www.MetaRiskManagement.com</a> - research	Initiator
SIGI BV – association of innovators	Initiator
Delta Pi - Risk and Safety Management ( <a href="http://www.delta-pi.nl">www.delta-pi.nl</a> )	Associate
Project Management Institute (PMI) – NL Chapter	Active member
Instrument Society of America (ISA)	Active member
Botlek Study Group	Member

## LANGUAGES

	<u>Speech</u>	<u>Writing</u>
<i>Dutch</i>	Native	Native
<i>English</i>	Excellent	Excellent
<i>German</i>	Good	Good
<i>French</i>	Poor	Not

## REFERENCES PROJECT (RISK) MANAGEMENT:



**Tetra Pak Processing Systems, Houten (NL)** **Feb 2018 – now**  
**Position:** Automation Project Lead  
**Respons.:** Responsible for all project aspects for the Specialties part of the project  
**Task:** The project is delivering a new PLC/ SCADA / MES application for a dairy production site of Arlafoods in Nijkerk (NL)  
**Techn.:** Tetra Pak Plant Master, Wonderware Orchestra, Siemens S7, ABB Sattline, APV SPX



**Van Sillevoldt Rice, Papendrecht (NL)** **Nov 2017 – now**  
**Position:** Senior Project Manager  
**Respons.:** Responsible for all project aspects  
**Task:** Project Management of project from Initialization phase till delivery phase for a PLC / SCADA application (Business Case, Investment Proposal, Design, Build , Test and Install) for the processing of rice, including ERP connectivity, tracking & tracing and route management.  
**Techn.:** Modicon, Wizcon, FipWay



**Schneider Electric, Baarn (NL)** **Nov 2016 – Dec 2017**  
**Position:** Senior Project Manager  
**Respons.:** Responsible for all project aspects  
**Task:** Project Management over the design, build ,testing and installation of DCS systems for the Shell Pernis SDA project. Delivery to 2 EPC's – brownfield scope to Jacobs and greenfield scope to Fluor. (4.5 M€ / 2 teams of 35 fte total in Netherlands and Slovakia located)  
**Techn.:** Foxboro IA



**FrieslandCampina, Amersfoort (NL)** **Jan. 2016 – Nov 2016**  
**Position:** Programme Manager  
**Respons.:** Responsible for all aspects  
**Task:** Organizing a programme for deployment of 30 projects (8M €) for APC (Advanced Process Control) / MPC (Model Predictive Control) on spray dryers and evaporators  
**Task:** EPC-management for a MES project for the automation of order handling and connecting the production area with the financial system (ERP/SAP), deployed in 4 phases over 7 sites. Mainly responsible for scheduling of the project build and testing.  
**Techn.:** Rockwell Pavilion; Rockwell CPG-Suite; Rockwell Pharma Suite, SimSci Connoisseur



**Shell Rafinaderij NV, Rotterdam** **March 2015 – Feb 2016**  
**Position:** Project Manager  
**Respons.:** Responsible for all aspects from initiation to handover to operations  
**Task:** Lead several projects concerning process control and process safety, including electrical and civil scope. One of the projects being the Business Case and Investment Proposal up to Implementation and Installation of a Benzene Loading Station for trucks. One of the projects being the design and build of 3 Operator Training Simulators for a cat-cracker, a hydro cracker and an alkalide unit.  
**Task:** Secure projects concerning safety and quality (time, cost and scope)  
**Techn.:** Honeywell Experion, Honeywell SMS, Schneider (Foxboro IA), SimSci OTS, Emerson Delta V



**Martinswerk GmbH / Albemarle, Bergheim (Germany)** **Sept. 2011 – Feb 2015**  
**Position:** Program Manager  
**Respons.:** Responsible for all aspects from initiation to handover to operations  
**Task:** Leading the initiation, execution and startup of a project (8 M€, 25 fte) for plant wide DCS replacement (13.000 IO) + consolidation of 3 control rooms. Migration had to be done in a running plant. Interruption of steam production and/or circulation of liquor would imply closing the plant.  
**Task:** Implementation of a new Process Historian including pilots for MES functionality  
**Task:** Support the multidisciplinary team for demolition of an old Bauxite preparation plant, including re-routing of the main gas supply piping and natural gas treating station  
**Techn.:** ABB Freelance, ABB 800xA Industrial IT, OPC, OSIsoft PI, OSIsoft Asset Framework



**Waternet, Amsterdam (NL)**

**March 2010 – Aug. 2011**

**Position:** Project Lead contracted by KienIA  
**Respons.:** Project initiation, multi-disciplinary (automation, electrical, mechanical, civil)  
**Task:** Leading the team for a refurbishment of a production location of drinking water for the city of Amsterdam  
**Task:** Leading the team for the completion of a simulation and advisory system for drinking water demand and supply monitoring and control for the city of Amsterdam  
**Techn.:** ABB 800xA Industrial IT, OPC, Windows client/server technology



**Invensys Process Systems NV, Baarn (NL)**

**March 2008 – Aug. 2009**

**Position:** Interim Manager for Refinery Off-sites department  
**Respons.:** Full responsibility for department strategy and finances. (AOP van 10 MM+ US\$)  
**Task:** Leading the department of 55 experts in Industrial IT and member of the local MT  
**Task:** Leading the team for design and implementation of a major MES application for refinery and chemical plant in Saudi Arabia  
**Techn.:** IPS ROMSS Off-Sites Suite, InFusion, Manufacturing Execution Systems (MES), WonderWare, asp.net, C#, B2MML, SAP



**SABIC (General Electric BV), Bergen op Zoom (NL)**

**Aug. 2006 – Feb. 2008**

**Position:** Project Manager  
**Respons.:** Full project responsibility, multi-disciplinary  
**Task:** Leading the team for project initiation and basic design for a 30.000 IO DCS Migration (initial phase for 10 year+ / 40 MM+ US\$ project). Resin plant, phosgene, BPA and chlorine.  
**Techn.:** Emerson Provox, Emerson DeltaV, Design for Six Sigma (DFSS)



**Gasunie NV, Groningen (NL)**

**Feb. 2006 – Juli 2006**

**Position:** Lead Engineer  
**Respons.:** Leading the data design team  
**Task:** Team Lead for a complex European Tendering for SCADA; leading the team for creating a Project Execution Plan for Data Management design and functional decomposition  
**Techn.:** Gasunie Project Office Portal



**Shell, Pernis (NL) / Heide (D)**

**Aug 2004 – Feb 2006**

**Position:** Consultant  
**Respons.:** Full responsibility for study team and quotation  
**Task:** Creating a Project Execution Plan for DCS Migration of batch plant  
**Task:** Managing the design and implementation of a blend optimization with an inline NIR analyzer  
**Techn.:** Fisher Provox, Emerson Delta-V, Siemens PCS7, ABB Analyzer, Foxboro IA, Siemens PCS7, ABB Analyzer



**Ceska Rafinerska, Kralupy / Litvinov (Czech Republic)**

**Jan. 2000 – July 2003**

**Position:** Senior Project Manager  
**Respons.:** Full responsibility for all aspects from initiation to handover to operations  
**Task:** Leading the team for DCS Migration project (3 year, 25 fte, 20 MM+ US\$ project)  
**Techn.:** Foxboro IA, Triconex, MTL, Intergraph InTools

1998 **Shell Exploration**, Gabon  
 1998 **PepsiCo Chips**, Broek op Langedijk (NL)  
 1997 **Honeywell Automation Systems**, Amsterdam (NL)

1997 **Inmarsat satellite operations**, London (UK)  
 1996 **Witteveen & Bos Consulting**, Deventer (NL)  
 Starting 1985 - Several different project

## REFERENCES PROCESS SAFETY MANAGEMENT:



**Electric Superbike Twente** **Sept. 2017 – Nov. 2017**  
**Positie:** Onafhankelijk adviseur (pre-deo)  
**Verantw.:** FMECA  
**Taak:** Organization, facilitation and reporting of a FMECA for a project designing and building an electric motorbike for racing.  
**Techn.:** FMECA report in Excel



**Martinswerk GmbH / Albemarle, Bergheim (Germany)** **Oct. 2013 – Feb 2015**  
**Position:** Independent consultant  
**Respons.:** HAZOP/PHA Leader  
**Task:** Organization, leading and reporting of the HAZOP for 2 coal fired boilers (60 Tons/hr, 520 dgC, 150 bar) + a PHA for 2 scrubbers + 2 smaller PHA's  
**Techn.:** HAZOP/PHA reporting in Excel



**Attero, Weister (NL)** **Nov. 2013**  
**Position:** Independent consultant  
**Respons.:** HAZOP Leader  
**Task:** Organization, leading and reporting of the HAZOP of new to build biogas treatment station.  
**Techn.:** HAZOP reporting in Excel



**Maasvlakte Olie Terminal, Rotterdam (NL)** **Oct. 2013**  
**Position:** Independent consultant  
**Respons.:** HAZOP Leader  
**Task:** Organization, leading and reporting of the HAZOP of the complete terminal with 39 crude oil tanks, 2 jetty's and a separator plant  
**Techn.:** HAZOP reporting in Excel



**Sulzer Turbo Services, Rotterdam (NL)** **Aug. 2012**  
**Position:** Independent consultant  
**Respons.:** HAZOP Leader  
**Task:** Organizing and executing the HAZOP analysis of 4 steam turbines with air and syngas compressors for Borealis in Linz, Austria  
**Techn.:** HAZOP, Tri-Sen, IEC61508/61511



**Tata Steel Packaging, IJmuiden/Velzen (NL)** **Aug. 2011 – Sept. 2011**  
**Position:** Independent consultant associated to Delta Pi  
**Respons.:** RI&E Engineer  
**Task:** RI&E safety analysis, TRA and SIL analyses for a continuous annealing line furnace  
**Techn.:** FTA, FMECA, IEC 746, IEC61508/61511



**Waternet, Amsterdam (NL)** **March 2010 – Aug. 2011**  
**Position:** Project Lead on behalf of KienIA  
**Respons.:** FMECA engineer  
**Task:** Organizing and reporting the FMECA for the design of an advisory system for drinking water demand and supply monitoring and control for the city of Amsterdam  
**Techn.:** FMECA



**Corus, IJmuiden/Velzen (NL)**

**Sept./Nov. 2007**

**Position:** Risk studies, Independent advisor, associated to Delta Pi  
**Respons.:** RI&E Engineer  
**Task:** Organizing and execution several risk analysis  
**Task:** Organizing SIL training  
**Techn.:** ABB 800xA Industrial IT, OPC, FMECA



**Total, Milford Haven (UK)**

**Oct. 2006**

**Position:** Independent consultant on behalf of Invensys  
**Respons.:** HAZOP Leader  
**Task:** Organizing and execution of HAZOP for blend optimization project  
**Techn.:** HAZOP, Layers Of Protection Analysis (LOPA)



**Shell Netherlands Chemicals, Moerdijk (NL)**

**May 2005 – Feb. 2006**

**Position:** Independent consultant  
**Respons.:** Risk Engineer  
**Task:** Analysis, design and implementation in existing Business Workflow  
**Task:** Transferring of GAME global working procedures in local working procedures  
**Techn.:** Shell Business Processes

1999 Moore Systems, Ridderkerk (NL)  
1998 **Graseby Medical Systems**, London (UK)  
1995 **ABB Lummus Global**, Den Hague (NL)

1993 **Hoogovens / Corus steal works**, IJmuiden (NL)  
Starting 1985 - Several different project