

CURRICULUM VITAE

EMPLOYEE PROFILE

NAME : Rene Heijenberg
DEGREE : MSc. BA / B Eng.
YEAR OF BIRTH : 1961
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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?

Exceeding stakeholders expectations
 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

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| 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 BUSINES ACTIVITIES

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|--|---------------|
| www.MetaRiskManagement.com - research | Initiator |
| SIGI BV – association of innovators | Initiator |
| Delta Pi - Risk and Safety Management (www.delta-pi.nl) | 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)

Aug 2018 – now

Position: Commissioning Manager

Respons.: Responsible for managing the commissioning and start-up. The Tetra Pak project is delivering a new cheese factory in Neumunster for Meierei Barmstedt

Task: Planning the Commissioning phase and managing the 4 teams of 2 engineers each..

Techn.: Tetra Pak Plant Master, Siemens S7, WinCC



Van Sillevoldt Rice, Papendrecht (NL)

Nov 2017 – now

Position: Senior Project Manager

Respons.: Responsible for all project aspects, from project Business Case till final handover to operations

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, KSE PROMAS



Tetra Pak Processing Systems, Houten (NL)

Feb 2018 – July 2018

Position: Automation Project Lead

Respons.: Responsible for all project aspects for the Specialties part of the project

Task: Project Manager for delivery. The project is delivering a new PLC/ SCADA / MES application for a dairy site of Arlafoods in Nijkerk (NL). Team is located over Netherlands, Sweden, Croatia, UK.

Techn.: Tetra Pak Plant Master, Wonderware Orchestra, Siemens S7, ABB Sattline, APV SPX



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. (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.

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 of several projects for process control and process safety, including electrical and civil scope. 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 start-up of a project (8 M€, 25 fte) for plant wide DCS replacement (13.000 IO) + consolidation of 3 control rooms.

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

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