

ELSE Automation AG

Curriculum Vitae of Pascal Probst, Project Manager and QA-Manager, born April 18, 1962

Pascal Probst

Born: April 18, 1962
Degree: Automation Engineer

Experience since 1984

Job title: Project Manager & QA-Manager
Shareholder
Member of the management board



Selected member of **xPert^{Validation}** & **AdvaPool[®]**

KEY COMPETENCES

- Lead Engineering and project management
- Validation
- People manager
- Project coaching and basic engineering
- Software Engineering
- Trainer DOORS, Traceability Software

SKILLS

- Practical know of validation and test procedures for pharma (IQ, OQ, PQ)
- Practical experience in batch control processes according NAMUR and ISA S88
- GAMP, ISO9001 and validation procedures
- IEC 61131-3
- Very experienced in writing technical specifications
- Very experienced in writing test protocols for IQ, OQ and PQ
- Practical knowledge of electricity, electronics, instrument and control engineering, pneumatics, hydraulics

PROCESS KNOW HOW

- Pharmaceuticals
- Chemicals
- Feed & food
- Printing
- Space research industry

LANGUAGES

- French, mother tongue
- German, written and spoken well
- English, written and spoken fair

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PRODUCT KNOW HOW

Microsoft products such as:

- MSDOS, advanced experience
- MS Windows, advanced experience
- MS-Office, advanced experience

Other products such as:

- Telemecanique, experience
- Roche PCR1 and PCR2, practical know how
- Mitsubishi, practical know how
- Siemens S5, S7 practical know how
- Siemens WinCC, ProTool practical know how
- Fischer – Provox, experience
- Hartmann & Braun Freelance 2000, experience
- CAE Comos PT, experience
- DOORS, Traceability Software, practical know how
- Profibus, practical know how
- TCP/IP, practical know how

ABB Master/Advant products such as:

- Controllers AC100 series (AC110,AC160)
- Controllers AC400 series (AC450, MP200)
- Operator stations Advant 500 series (OS520)
- Programming language AMPL and corresponding tool AdvaBuild / Control Configuration
- AC31 & CS31 (KT94)

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PROJET EXPERIENCES, since 1984

List not complete

Project	Place	Technology	Activities
Quality Management	ELSE	-	Quality Manual
DSM Village-Neuf – FMPC	France	ABB Advant + Siemens ProTool	Software migration
Clemessy Basel	Switzerland	Siemens - S7	Software engineering
European Space Agency	Netherlands	Siemens - S7	Software re-engineering space simulator
Novartis Pharma Huningue	France	Siemens - S7, Wonderware	Test FAT/SAT Traceability + Validation
Novartis Pharma Basel	Switzerland	CAE Comos-PT	Hardware engineering concepts + Test
DSM Sisseln – VITEX	Switzerland	Siemens - S7, WinCC	Detail engineering + Test FAT and SAT
Roche Village-Neuf – FMPC	France	ABB - Master/Advant	Software re-engineering
Wander Ovomaltine	Switzerland	ABB - Industrial IT	Hardware and software engineering
Roche Kaiseraugst/Lalden	Switzerland	ABB - Freelance	Test procedure FAT/SAT + Validation
ABB Printing	Switzerland	ABB - Master/Advant	Hardware and software Basic concepts
Novartis Pharma Basel	Switzerland	ABB - Master/Advant	Software engineering + Test + Validation
Zwilag Pharma	Switzerland	Siemens – S7, WinCC	Project manager Basic + Detail engineering
Novartis Pharma Basel	Switzerland	Bailey - DCS	Detail engineering
Roche Village-Neuf – FMPC	France	ABB - Master/Advant	Basic + Detail engineering Software engineering FAT and SAT test + Validation
Sandoz Pharma Basel	Switzerland	ABB - Master/Advant	FAT and SAT test + Validation
Sandoz Pharma Basel	Switzerland	Fischer - Provox	FAT and SAT test + Validation
Roche Pharma Basel	Switzerland	Roche - PCR1	Instrumentation + Detail engineering
Roche Pharma, Sisseln	Switzerland	Roche - PCR1	Software engineering + Test + Validation
Sollac Strassbourg	France	Telemecanique	Hardware and software engineering