

Services and Methodology

Services. Physics and IT consulting.

Methodology.

- Analysis of **requirements** and **research**.
- Research and intense **know-how transfer** at an early stage of a project based on an.
- **Hands-on support** during implementation phase. Project co-ordination, **high-grade documentation**, quality management at any stage of the project.

Customers

Global corporations to medium-sized companies.

- **Main Sectors.** Pharmaceutical manufacturing. Engineering. Public sector. Financial services. Information technology.
- Since 2006 projects have been delivered to customers in: **AT, CH, DE, FR, IE, IT, PL, TR, SE, UK, US.**
- **Typical project roles.** Subject matter expert. Trusted advisor. Reviewer. Analyst. Architect. Co-ordinator / logistics.

Offerings

- **Pharma punktwissen:** Business processes and compliance in pharmaceutical manufacturing. Analysis of user requirements, specification of IT systems, computer systems validation.
- **PKI punktwissen:** Public Key Infrastructure and X.509 certificates. Workshops, design, implementation, review, troubleshooting, certificate lifecycle planning.
- **Project punktwissen:** Project coaching in technical projects [Pharma IT, IT security, R&D]. Support with strategic project planning [Go-live, migration], pragmatic implementation of quality management and change management.
- **Physics punktwissen:** Optics, laser technology, measurement technology, gas dynamics, materials science, non-linear phenomena. Application to interdisciplinary problems.

Security Engagements

- **Planning and Implementation of Public Key Infrastructures [PKI]** at about 30 different customers – scalable multi-tier hierarchies, hardware security modules, directory service integration, revocation services
- **PKI Workshops | PKI Consulting | PKI Client Support** Bespoke PKI related service delivered to about 70 customers: 802.1x, smartcard logon, VPN, IPsec, SSL, code signing, e-mail/doc. Signing, file/e-mail encryption, custom apps.
- **X.509 Troubleshooting and PKI Drill-Down:** Train-the-experts workshops for security consultants and system integrators. Support with application integration problems, certificate and key stores, certificate extensions, certificate path validation.
- **PKI Product and Vendor Comparisons:** Neutral product comparison, product evaluation and security research, co-ordination with vendors.

Dr. Elke Stangl

IT Security Consultant | PKI Expert at punktwissen since 2006.

- **Lecturer** on IT security since 2006.
- **Contract Work** by order of Club of Vienna. Chaos theory, network theory, diffusion. [2005]
- **Security Consultant** at Microsoft, focus: PKI [2001-05]
- **Manager IT Infrastructure** at Austrian Research Centers. Division Org/IT. Interim CIO. [2000-01]
- **IT Freelancer** for SMB customers. IT project co-ordinator at Austrian Research Centers. IT trainer [1997-2000]
- **Scientist** at Austrian Research Centers. Division materials technology. Contract research for steel industry. [1995-97]
- **Scientist** and lecturer at University of Linz. Project manager for EU research project. Preparation and analysis of superconductors. Laser technology [1992-95]

Education: Technical physics. Laser physics. Optics. Superconductivity. Gas dynamics. Non-linear phenomena.



Dr. Siegfried Proyer



Consultant Pharma IT at punktwissen since 2006.

- **Manager IT Systems and QM** at Octapharma. [2001-05]
- **IT Manager Production Division** at Octapharma [2001]
- **Trainee at Octapharma, Production Division.** IT, logistics [1998-2001]
- **Scientist and Project manager** at Austrian Research Centers. Division materials technology. Contract research for steel industry. [1996-98]
- **Scientist, Lecturer and Project manager** at the University of Linz. Preparation and analysis of superconductors. Laser technologies, patterning of thin films, automation, design and implementation of experimental setups [1992-95]

Education: Technical physics. Laser physics. Optics. Superconductivity. Gas dynamics. Non-linear phenomena.

Pharma Engagements

- **Project Coaching in Several Pharma Projects** at European customers. Support of the internal project manager as Trusted Advisor with pragmatic hints and Notes from the Field. Know-how transfer on the job, joint development of project plans, documentation and reports.
- **Computer System Validation - Reviews and Support:** Validation support on implementing pharma IT systems Generation | review of key documents such as validation plan, specifications, documentation of business processes, risk analysis, validation report.
- **Implementation Support for MES Systems** in the production environment of several European pharmaceuticals with different sites.
- **Design, Implementation and Review of Quality Management Guidelines:** Pragmatic design of policies, guidelines and standard operating procedures for the implementation, operation, change management and retirement of IT systems. Compliant with EU | FDA guidelines applicable to pharmaceutical manufacturing