

## 1. Personal and contact data

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## 2. Work experiences

*December 2012 – now*    **ELI BEAMLINES, CZECH ACADEMY OF SCIENCE**    Prague, Czech Rep.  
Position: **Safety Manager**

*August 2009 – November 2012*    **BAXTER HEALTHCARE**    Jevany – Bohumil, Czech Rep.  
Position: **Safety Engineer**

Baxter Healthcare is a world leader in plasma business and biotechnology. The facility in Bohumil, Czech Rep., produces the vaccines for pandemic and seasonal influenza using the Vero cells technology.

*Main responsibilities / Owned processes and systems:*

- Chemical safety, biosafety (owner of systems)
- Hazard identification, risk assessment, CAPA (corrective and preventive action), safety audits, checks of new and used technological components and devices
- Fire prevention specialist
- Safety training (EHS, biosafety, chemical safety)
- Safety audits and checks
- Environmental protection agenda maintenance
- Risk management
- Root cause analysis
- Methodical leadership of risk management and emergency response
- Training (Safety, Biosafety, chemical agents handling etc.)
- Participation on construction and technological projects (e.g. 7 Mio USD investment) and divisional projects (see part 4.)
- Safety expert within realization phase of projects
- Internal procedures creation
- Business Continuity Planning
- Security system (physical security, CCTV, facility security system)

*Main achievements:*

- Foundation of Biosafety Committee and its leadership (Head of Biosafety Committee)
- Implementation of internal e-databases for maintenance of audit findings (e-CAPA system) and chemical inventory
- Optimization of contractor safety system
- Optimization of facility chemical and biological safety systems

November 2008 – December 2008    **UNITED ARAB EMIRATES UNIVERSITY**    Al Ain, UAE  
 Position: **Research Assistant**

*Main responsibilities / Owned processes and systems:*

- R&D activities within military toxicological project

September 2008 – January 2009    **COLLEGE OF APPLIED ECONOMICAL STUDIES**  
 České Budějovice, Czech Rep.

Position: **Study program manager / Lector**

*Main responsibilities / Owned processes and systems:*

- Creation and establishment of new study programs
- R&D concept of College
- Creation of foreign affairs
- Project leadership and team leadership
- Assurance of courses and subjects focused on industrial technologies and waste management

*Main achievements:*

- Full establishment of study program focused on economics in waste management
- Transfer of study programs on high school
- Creation of stable environment for R&D

July 2005 – June 2007    **ROBERT BOSCH**    České Budějovice, Czech Rep.  
 Dept. of Physical Logistics  
 Position: **Assistant of Logistics**

Robert Bosch is a top in automotive components manufacturing. The facility in Ceske Budejovice focuses mainly on production of components for gasoline cars. This facility is also lead site for several other facilities around world.

*Main responsibilities / Owned processes and systems:*

- Analysis of processes in external warehouse (company Willi Betz)
- Optimization of logistics process (circle of returnable packaging material)
- Methodical leadership of external warehouse employees for optimization measures establishment

*Main achievements:*

- Creation of transparent and easy to use system of returnable packaging receipt
- Decreasing of error rate and financial loss in circle of returnable packaging

February 2004 – July 2005      **ROBERT BOSCH**      České Budějovice, Czech Rep.  
 Dept. of Logistics Projects  
 Position: **Assistant of Logistics**

Robert Bosch is a top in automotive components manufacturing. The facility in Ceske Budejovice focuses mainly on production of components for gasoline cars. This facility is also lead site for several other facilities around world.

*Main responsibilities / Owned processes and systems:*

- Part of project team for upgrade of SAP R3 system for whole facility
- Preparation of data and documents for data migration
- Itranet websites building
- Cooperation within KAMBAN implementation

*Main achievements:*

- Creation of functional and logical departmental websites
- Mapping of whole production from the point of view of migrated data

**3. Education**

1995 – 1999      **SECONDARY SCHOOL OF CHEMICAL ENGINEERING**      Lovosice, Czech R.  
 Study program: **Analytical chemistry**

2003 – 2006      **FACULTY OF HEALTH AND SOCIAL STUDIES, UNIVERSITY OF SOUTH BOHEMIA**  
 České Budějovice, Czech Rep.  
 Study program: **Applied Radiobiology and Toxicology**  
 Bachelor studies. Graduation: **Radiobiology and radiation protection, toxicology, emergency management**

2006 – 2008      **FACULTY OF HEALTH AND SOCIAL STUDIES, UNIVERSITY OF SOUTH BOHEMIA**  
 České Budějovice, Czech Rep.  
 Study program: **Crisis Radiobiology and Toxicology**  
 Master studies. Graduation: **Radiobiology, radiation protection, dosimetry, toxicology, emergency management**

#### 4. Professional qualifications and skills

##### Certificates and trainings

- Certified Safety Professional (gained 2010, valid till 2015)
- Six Sigma Yellow belt (gained 2010)
- Methods of risk analysis in processes and systems (2012 – FBE)
- HAZOP (2011 – Abhisam)
- Machine Safety (2011 – Webinar training)
- Functional Safety (2011 – Webinar training)
- Regular courses for Environmental, Health and Safety legislation

##### Languages

- Czech (mother tongue)
- English (Advanced - fluent)
- German (Beginner - basics)

##### IT skills

- MS Office (user level), Adobe Acrobat (user level), SAP R3 (user level)

##### Membership

- Cognitive Structural Modeling Research Group (CSMRG)

##### Projects

- **Facility automation system upgrade** (Baxter Healthcare, team member – planning and realization phase)
- **Production technology expansion** – construction and technological project (Baxter Healthcare, team member – planning and realization phase)
- **Construction of BSL3 (Biosafety level 3) Labs** – construction project (Baxter Healthcare, team member – planning phase)
- **High Hazard Management Program** – divisional project (Baxter Healthcare, team member and regional owner of system - planning and realization phase)
- **Technology Transfer to Takeda Pharmaceutical** – construction and technological corporate project (Baxter Healthcare, team member and regional owner of system - planning and realization phase)
- **Optimization of decontamination technology** – technological project (Baxter Healthcare, Project leader - planning and realization phase)
- **Business Continuity Planning** – system project (Baxter Healthcare, Project leader - planning and realization phase)
- **EHS e-CAPA system** - system project (Baxter Healthcare, Project leader - planning and realization phase)
- **International Conference OEDM SERM 2011** – organization (CSMRG, [www.oedm-serm.org](http://www.oedm-serm.org))
- **Application of cognitive process models** – research project (CSMRG, project leader)

##### Further professional skills

- **Safety Engineering:** Experiences in safety engineering methods (FMEA, CAPA etc.), risk assessment (FMEA, HAZOP, LOPA), preventive actions and measures.
- **Biosafety:** Extensive experience in biosafety systems (WHO, CDC etc.), optimization and improvement of biological safety. Experience with BSL2 and BSL3 practices, participation

on related projects. Evaluation and risk assessment of viral pathogens. Experience with mold risk evaluation.

- **Decontamination:** Experience with implementation of decontamination methods, validation and optimization of decontamination methods.
- **Chemical Safety:** Significant experience in chemical safety systems creation, improvement and optimization. Outstanding toxicological background. Experienced in risk assessment and risk evaluation build on physical and chemical, and toxicological properties. Experiences with REACH and CLP legislation.
- **Drug free workplace system:** Experienced in creating and implementing of Drug Free Workplace systems (building basic studies for most common drugs, implementing these studies to company regulations, establishing of monitoring system)
- **Forensic expert:** Outstanding knowledge of forensic problems in toxicology. Experienced in toxicity evaluation, adverse effects of chemical substances and drug influence to humans.
- **Projects:** Experience in projects participation and partial leadership. Research projects, development projects, logistics projects, safety projects.
- **OHSAS, ISO:** Experiences with implementation of OHSAS 18 001 and ISO 14 001.

## 5. Professional references

### ***Jiri Patocka***

Professor

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