

A. Gitzi, Risk Manager and Safety Engineer

Short Curriculum Vitae

Name Andreas Thomas Gitzi
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Titles Risk Manager MAS
Safety Engineer EiV, EKAS
Chemist HTL, FH



Professional Career

<i>Years</i>	<i>Company / Place</i>	<i>Function and Main Activity</i>
2015 - dato	TeRiskCo Gitzi Technical Risk Consulting St. Pantaleon <i>Major customers:</i>	CEO and Consulting Manager Technical Risk Management, Supply Chain Security, Business Continuity (BC), Emergency Management, Company internal risk communication, Process safety and optimisation and Environmental Protection, Health and Safety and Management (EHS)
03. 2018 - 12. 2018	Celgene Chemicals GmbH Zofingen	EHS-Manager site Zofingen Consulting in EHS, GAP assessment EHS compliance, proposal and implementation of adequate solutions
08. 2015 - 08 2018	IKEA Supply AG Pratteln	Consultant for Global Risk Management Elaboration of Safety & Security framework, the inspection tool and a supply chain risk assessment
2012 - 2014	Alcon Grieshaber AG Schaffhausen a company of Novartis Ltd.	HSE-BC Manager Site responsibility for EHS and BC, Implementing global Novartis policies http://www.alcon.com
2011 - 2012	Freelancer, St. Pantaleon	Consulting Risk Manager
2010 - 2011	HDI-Gerling Industrie Versicherung AG, Zurich	Senior Risk Engineer Property Insurance and Chemical Production http://www.hdi-gerling.ch
1998 - 2010	Swiss Safety Institute, Basel Swiss Institute for the Promotion of Safety and Security	Deputy Manager Consulting and Training Safety Engineer, Consultant for integrated, technical Risk Management and EHS, Process safety and Fire and Explosion prevention, Trainer and coach in field of experience http://www.swissi.ch
1996 - 1998	Novartis Pharma Ltd., Basel Divisional Management, Health, Safety and Environmental Protection	HSE-Manager, Group HSE Auditor Responsible for EHS of the sites in Asia, Africa and Rest of World and conducting EHS Audits worldwide http://www.novartis.com
1989 - 1996	Sandoz Pharma Ltd., Basel Pharma Safety and Ecology, Technical Operations Pharma	Deputy Officer S&E Division Pharma, Expert in Safety and Environmental Protection, responsible for global operational safety, conducting EHS Audits worldwide.
1982 - 1985	Ciba-Geigy AG, Schweizerhalle Environmental Laboratories	Laboratory Technician soil, water and air analytics

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Education

- 2008 - 2009 **Master of Advanced Studies in Risk Management (MAS)**
University of Applied Sciences Lucerne, Department Economy
- 2001 - 2002 **Safety Engineer** (EiV acc. Swiss Legislation, EKAS Sicherheitsingenieur),
Federal Institute of Technology ETH Zürich, NDS Risk and Safety at
- 1988 - 1989 **Proficiency Certificate in English**
University of Cambridge, Studio School of English, Cambridge
- 1985 - 1988 **Bachelor Diploma in Chemistry**
University of Applied Sciences Beider Basel, Muttenz, (*today* FHNW Basel)
- 1979 - 1982 **Laboratory Technician**, Type C (Syntheselaborant) at Ciba Geigy AG, Basel
- 1975 - 1979 **Secondary School**, Therwil, Switzerland (*today*; Secondary Type E)
- 1970 - 1975 **Primary School**, Therwil, Switzerland

Languages

German mother tongue **English** very good **French** very modest

IT-Knowledge

MS-Office: Word, Power Point, Excel, Outlook very good user

Committee - activities

- 2010 - *dato* Member of Risk Network Switzerland and Swiss Risk Association
- 2006 - 2010 Member of the German Working Group Combustible Dusts
- 2005 - 2010 Member of the European EPSC Working Group ATEX
- 2005 - 2009 Member of the BCI Working Group ATEX 137 Implementation

Publications, Speeches and further Trainings and Courses

Several publications and speeches on specialist topics, diploma and master thesis, participating and managing regular training courses, both in management as well as technical field. See also separate lists of "Further Education and Training" and "Publications".

Professional Experience - Success Highlights

Many years of professional experience in all specialist fields mentioned above, including management of technical risks, auditing production and logistic sites, investigations of incidents, verification and consolidation of HSE key figures, writing and implementing guidelines, moderation of risk and business impact analysis, creating concepts, project management and adult education.

For details see also separate documentation "Experience - Highlights - Achievements".

HSE Audits and Risk Assessment Visits at Sites and Plant

- Leading and participating in a total of 31 HSE Audits and performing 26 Visits as HSE representative of division Pharma at Sandoz Pharma sites in 20 different countries during 1990 and 1998.
- Uncountable project related Audits, sites and plant visits in many different countries during 12 years as Safety Engineer and ATEX Consultant in International Process Safety Department of Swiss Safety Institute.
- Risk Assessments of 5 Production Sites during my activity as Risk Engineer at HDI-Gerling Insurance.

Example of Projects and Developments

- Implementing HSE, NEM and BCM of Novartis at Alcon Grieshaber AG, Schaffhausen
- Developing an Emergency and BC concept at HDI-Gerling AG, Zurich
- BC-Business Impact Analysis – SANDIMMUN – External step Gelatine Capsules in Germany
- BC-Business Impact Analysis – NEOCITRAN – Single source reduction for transfer from US to Canada
- Pharmaceutical development project– recommending a change in time of entering flammable liquid and the use of a new developed closed system, eliminating the need for Ex-proof pharmaceutical plants.
- Addressing the risk of long-time samples and animal evacuation in case of a fire
- Multi-Purpose plant with Maltotextrine – Moderator between the equipment builder and later user, challenging the expensive explosion concept of the equipment provider Gericke for Nestlé Brazil
- EPA Plant (Propan foamed Styrene under pressure) – Development of an Explosion protection concept in a unique matrix system for Sulzer ChemTech
- E-Project – 1st small scale Waste Incineration on plant of Mumbai, India
- E-Project – Anaerobe Waste Water Treatment Plant on site of Jamshoro, Pakistan
- E-Project – Methylenchlorine reduction at extraction process in Biotech of Kundl, Austria
- Implementation of HSE Structure into Pharma Research Basel, introducing HSE Laboratory Safety

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HSE Risk Analysis moderation of large projects or plants:

- Technical Risk Management of a CHF 500mio. Project, Ringaskiddy, Cork, Ireland
- new Novartis Plant in China
- new Huntsman Plant in Mexico
- new Hydrogenation Plant, Rohner AG Pratteln, Switzerland
- old Nitro Cellulose Plant from Rhodia in Freiburg, identifying new Risks
- old Industry Waste Water Treatment Plant Pro Rheno in Basel, resulting in reduced Ex-zoning

Actively participating in following HSE tools, Guidance Notes, (still in use at Novartis):

- Risk Analysis Tools (DERA, PRORA)
- GN 3.1 Solid Handling, incl. Pharma adaption
- GN 3.5 SAMACO, Safety maintenance and Control, together with TechOps Global Engineering
- GL 6 Warehousing, Storage Safety together with Corporate S&E
- GN 6.3 Combined storage Matrix
- GN 6.4 technical recommendations
- TR BCI 155, ATEX 137 Implementation Guideline within Basle Chemical Industries (BCI)
- Initiating an interpretation and classification translation code for Sandoz and Ciba-Geigy Safety Data

List of Incident Investigations of huge Fires and Explosions:

- | | | | |
|------------|----------------------------|---------------|---|
| - France | Cyclon, Spray dryer | - Switzerland | Manually feeding into reactor |
| - France | Mill, Collector container | - Switzerland | Manually feeding into emulgator, Ystral |
| - China | Silo, Big-Bag feeding | - Switzerland | Automated feeding into solvent |
| - Spain | Fluid air dryer, Aeromatic | - Switzerland | Huge fire in metal works |
| - Thailand | Filter, Spray dryer | | |
| - Turkey | Silo, Big-Bag feeding | | |

Excerpt of Testimonials and Qualifications - Translation into English

HSE-BC Manager at Alcon Grieshaber AG, 2014

Mr. Gitzi is responsible for all our HSE (Health, Safety and Environment) and BC (Business Continuity) issues, including the certification of ISO 14001 for environmental protection and for OSHAS 18001, occupational health and safety. His main duties include:

Occupational Health and Safety

Process Safety

Plant and Machinery Safety, Equipment Safety

Building Security (Property Loss Protection)

Environmental Protection

Emergency Management (NEM-Coordinator civil)

Business Continuity Management (BC-Coordinator)

Setting up a appropriate enterprise risk management process

Responsible for compliance with applicable legal and regulatory requirements,

in particular the labor legislation and their regulations, and requirements of EKAS and SUVA

Mr. Gitzi holds the following additional responsibilities:

Integration of HSE, NEM, BCM, Enterprise Risk Management (ERM) into Novartis

Implementation of relevant Novartis Guidelines and Guidance Notes considering AGS specifics.

Mr. Gitzi possesses excellent specialist knowledge in all HSE matters. He draws from a great wealth of experience, making good use of his expertise even when handling demanding tasks and fully meets our expectations. Diligent and reliable, he achieves a high standard of quality.

He examines issues from different perspectives, identifies various options for action and independently finds convincing solutions. Able to recognise the client's needs, he provides many realisable ideas and valuable suggestions. He communicates clearly and unambiguously.

Senior Risk Engineer at HDI Gerling AG, 2011

Some of Mr. Gitzi's most important tasks:

Technical risk assessment of industrial enterprises for risk selection of underwriting

Supporting Underwriting Property in evaluate technical hazard related risks of individual companies

Selective support the claims management through damage analysis and integration into the risk management recommendations.

During his introduction into the new insurance activities his wealth of knowledge and his longtime experience was of substantial help to him.

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Safety Consultant at Swiss Safety Institute, 2010

The professional focuses of Mr. Gitzi in his consulting and training activities were fire and explosion protection, technical risk management and holistic safety management. In particular his activities included:

- Risk analysis concerning gas and dust explosion hazards in the process industries
- Creation of explosion protection concepts
- Creation of explosion protection documents for ATEX 137 or SUVA Regulation Nr.2153
- Advice equipment manufacturers on the explosion protection requirements for non-electrical ignition sources in accordance with ATEX 95
- Incident investigation of explosions, with recommendation of preventive and / or design protection measures
- Planning and execute courses and seminars on the subject of explosion protection, if required also in-house at customers places
- Speaker on these subjects at meetings and conferences
- Participation in international bodies
- Contributing at the organization of the annual customer's information events.

Furthermore, Mr. Gitzi contributed significantly to the success of the safety institute with its involvement in internal processes and activities, such as participation in the knowledge team and in the editorial committee of the SSS Security journal published by the institute.

Mr. Gitzi prepared expert reports and held speeches at meetings and conferences as well as courses and seminars in English. Here his wealth of knowledge and his experience in the field of safety and security became a great benefit.

HSE-Manager at Corporate Management Novartis Pharma AG, 1998 and Deputy HSE Officer at Sandoz Pharma AG, 1996

Mr. Gitzi's main activities include:

- Process safety in chemical production: Introduction, implementation and monitoring of the risk analysis process, PRORA
- Protection against dust explosions: Pharma representative in the elaborating, introduction and implementation of the relevant Corporate Instruction
- Storage risks: Participating in the revision of the Corporate Instruction on storage safety, guidance and control of the global stock
- Galenic formulation production: Expertise in the safe handling of solids and solvents; assessment of exception requests
- Auditing: Participate in corporate audits, execution of divisional audits, supervision and control of the audit follow-up process for all pharmaceutical operations

Mr. Gitzi performs today very independent consultancy and training activities. He meets the requirements in every respect with care and persistence. Justified by its expertise, sense of responsibility, its entrepreneurship and in light of his achievements Mr. Gitzi was appointed Deputy Divisional Safety and Environmental Officer (SEO) Pharma on 1st January 1996.

Excerpt of Assessments and Certificates *(Translation into English)*

Master thesis in Risk Management, 2009

My Master thesis about the optimisation of company internal risk communication got graded very good.

Personal Assessment, 2007 by BGP Assessments, Fritz Gassner, Psychologe SBAP

Mr. Gitzi is a vital, performance oriented, capable, and up right man of a sincere character with high attitude for duty and responsibility. He is someone who shows ambition and desire. He likes to shape his area of responsibility and wants to make a difference. He is a concise, decisive and determined personality that is energetic and powerful, creates initiatives to lead and establish what he wants.

In a verifying process checking his general intellectual ability, Mr. Gitzi reached a very good result (95%) and proofed his skills to systematic and structured, logical and analytical thinking. With this intellectual potential, it is easy for him to deal with demanding trainings and tasks.

In a simulation game, he has revealed his organizational skills in an operative management function. His leadership style is pragmatic. He informs, clarifies issues, demands and sets reasonable goals.

Mr. Gitzi is an appropriate and persuasive communicator. His arguments are reasonable, sound and committed primarily to the facts. With Mr. Gitzi, we find a conversation partner, who has a clear opinion.

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Certificate as Technical Risk Manager, 2006 by Euro Risk Ltd., Bruno Brühwiler

The training course Technical Risk Managers according ON 49003 for experienced Safety Engineers required an oral and written examination and a report about a practical work. He reached 90% out of the possible maximum points.

Basic Management Training, Sandoz, 1992

This course of several weeks was concluded with a several-day business simulation game. The management team under the lead of Andreas Gitzi became the champion at the end. Notable, he had been one of the youngest participants