



Dipl.-Ing. Peter Hegedüs, MBE, PG.Dipl.

Peter is an experienced international Project Manager and disruptive Entrepreneur with 25+ years of experience in the Pharma / Biotech and Industry. With a strong background in Tech-Scouting, Development, Production, Optimization, and BPE / LEAN methodologies. Peter is an innovative and internationally recognized leader and expert with a proven track record of developing new products and implementing new and disruptive technologies. As an ENTP-type ("Strategic Visionary"), Peter brings a creative and strategic approach to problem-solving, constantly pushing boundaries and exploring new ideas to achieve exceptional results. With multiple distinctions from EMERITUS, MIT-Sloan (Boston, USA) & Columbia Business School (New York, USA). Peter is a visionary in deep tech and a futurist, developing innovative solutions for sustainability and digitalization. His ability to adapt quickly to new challenges makes him an invaluable asset to any team.

Personal Quote:

"The definition of insanity is doing the same thing over and over again and expecting a different result."

(Albert Einstein)

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Professional Experience and Project Leadership

- Since 01/2023 **METTA GREEN DEEP TECH, (i.F.), TOP Disruptive EU Tech-Company (2023/24), Founder**
- Since 08/2019 **Driving - Excellence Consulting e.K.- Technology & Innovation, Founder, Dortmund**
- Biotechnology • Innovation • Sustainability • Web 3.0 • Food-Tech • Green-Tech • 3P Model
 - Deep-Tech Consulting Company specialized in consulting Pharma / Biotech • Covid 19-vaccine co-development consulting (WHO listed company) • Biotech and Start-ups in innovative fields using Business Process Excellence, Six Sigma, LEAN, Design Thinking, AI • Agile Scrum Industry 4.0 / 5.0 • Deep Tech • Digital Transformation • Blockchain Integration (R&D, PD, PS)
 - “Greenfield”-Projects, Food- and Agri-Tech, Reforestation, Green Biotech (AI & Digital Modelling)
 - Alternative & Plant-based Protein, Sustainability- Bioprocess Engineering, Precision Farming
 - Technology (Pharma -, Chemical- and High -Tech Industry) Scouting, Medical Devices, Benchmarking, Scouting, Evaluation, Feasibility, Development & Optimization (Six Sigma, Kaizen, Design Thinking, LEAN), Tech Disruption, Platform Development, Healthcare & Transdisciplinary Global Impact, Speaker: EU Tech Chamber • Sustainability Expert - Saudi Arabia - (SPSA)
- 08/2018 - 11/2023 **Counseling Services for Next Generation, MIT Sloan School of Management, Boston, USA**
- Design Thinking spin-off project (TOP3 Project of the Year) , Co-founding Partner, Development of a consulting digital platform for the education of youth and students in India
- 11/2015 - 01/2019 **Boehringer Ingelheim Pharma GmbH & Co.KG (BI), Germany**
- Project Manager - Senior Project Management / Product Process Technology, BI Dortmund**
- “Greenfield” - Project Full Implementation (~3 years) of the Medical Device Prototype Production & after Serial GMP Production of Equine Inhaler (Lead) incl. GMP / FDA conform detailed set up documentation with separation of Human Pharma & Animal Health (Market ~ 2,7 Bil. €)
 - Improvement and optimization of worldwide established Platform RespiMat® Medical Device for Respiratory Area • Management of whole CMO Network / Suppliers / Partners and Co-Lead RespiMat®-Reusable – Development and a New Generation (Digital MD) of High-Tech Medical Device Implementation (Respiratory) FDA conforms to the Development of internal Documentation
- 02/2014 - 10/2015 **Operations Manager 3PM Europe - Third Party Management (3PM), BI Ingelheim am Rhein**
- Analyses of 3PM Europe and CMO / CDMO Global Network (65+) • Development of Finance and Operational Process and their Translation into Systems and Tools to enhance the Performance
 - Monitoring of Production & Planning KPI's Reporting / KPI Process Optimization • Lead Network Consolidation Strategy Development • Performance Strategy Monitoring and Development of tools
 - CRM with 3rd parties (e.g. CMO, CDMO) annual revenue ~ 1,4 Mrd. Euro
- 01/2012 - 01/2014 **Lean Expert & BPE Project Manager - Pharmaceutical Production, BI Ingelheim am Rhein**
- 3 Lean Transformations (E2E) at Blockbusters like RespiMat® & Pradaxa® • Analyses of Data from Pharma Production for Annual discussion with KPIs • Kaizen activities: 5S-Auditor LEAD / Audits (Production / R&D), Process Mapping, VSM, TPM, Problem Solving • Lead of FDA Warning letter projects for pharma & chemical production • BPE Coaching • BPE and IT- Projects Pharma
- 03/2009 - 12/2011 **Process Engineer / Process Development Manager - Biopharmaceuticals R&D / BI Biberach a. R.**
- Upstream Process Development (USD) - Biopharmaceuticals (microbials / mammals / CHO cells) Lead Technology Scouting, Benchmarking, “Greenfield”-Project: Implementation of innovative Single Use Bioreactors -Platform incl. IT- Infrastructure • Initialization of further technology feasibilities with novel technologies • Fermentation CHO cells - monoclonal antibodies
 - BPE and IT- Projects in R&D Biopharmaceuticals novel biotech development areas

Professional Experience and Project Leadership

- 09/2008 - 03/2009 **Business Health Care Consultant, Freelancer**, Hamburg, Germany
Business and commercial strategy, Market analyses for a Healthcare Institute
- 01/2008 - 09/2008 **URS Corporation (Washington Group Industrial GmbH)**, Berlin / Tel Aviv,
Project Engineer / Sr. Validation Specialist - GMP Compliance and Business Development
- 11/2006 - 12/2007 **GlaxoSmithKline Biologicals Dresden**, LSMW GmbH, Steinbeis University Berlin, Germany
Project Lead / Master Thesis: „*Optimization of qualification process in pharmaceutical industry while building a Vaccine Production Site at Glaxo Smith Kline (GSK)*“, Dresden, Germany
- 04/2006 - 10/2006 **Lonza AG, Microbial Biopharmaceuticals R&D**, Visp, Wallis, Swiss Confederation,
Diploma Thesis: „*Development of an industrial process for the production of therapeutic proteins*“
- 09/2004 - 02/2005 **Abbott GmbH & Co. KG, Neuroscience Discovery Research**, Ludwigshafen, Germany
Internship / Project: „*Gene expression analysis of G-Protein receptor*“ (Multiple Sclerosis)
- 04/2002 - 02/2006 **Georg Fischer B.V. & Co. KG**, Singen (Hohentwiel), Germany
Working Student (during semester break), Department: Industrial Equipment & Project Management

Academic Studies and Executive Education

- 01/2022 - 12/2022 **Massachusetts Institute of Technology (MIT) - Sloan School of Management, Boston, (USA) & Columbia Business School, New York, (USA), EMERITUS (Singapore) / Online, Remote**
Postgraduate Diploma in Digital Business (PG. Dipl. DB), (GPA 9.9 / 10.0) - with 4x Distinction
Executive Education (full time), Team-Lead: Brazil, England, Germany, Italy, Nigeria, South Korea
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- Module 1. **Digital Strategies for Business** / Grade: 100 %
Module 2. **Digital Transformation: Platform Strategies for Success** / Grade: 100%
Module 3. **Digital Marketing: Customers, Social Media, Planning & Analytics** / Grade: 95%
Final Project: **METTA GREEN DEEP TECH, “Digital Era of Food production”** / Grade: 100%
- 11/2006 - 12/2007 **Steinbeis University Berlin (Germany), Indiana University - Kelley School of Business, Bloomington (USA), Kitakyushu University and Kyushu Institute of Technology (Japan)**
Master of Business and Engineering (MBE), General Management (Innovation / Technology)
- 09/2002 - 10/2006 **Technical University of Applied Sciences Mannheim, Germany**
Dipl.-Ing. Biotechnology (Bioprocess Engineering and Bioprocess Development)
- 09/2001 - 08/2002 **Konstanz University of Applied Sciences, Konstanz, Germany**
Study College for international students (ASK), University entrance degree

Education

- 10/1994 - 06/1997 **Gymnasium B.S. - Timrava, Lucenec, Slovakia**
German Language and German Literature, State examination
- 09/1993 - 06/1997 **Medical High School, Lucenec, Slovakia**
Graduate Health Care Professional, (Major: Surgery, Internal Medicine, Pediatrics), MHS Diploma

Qualifications and Certifications

Since 12/2024	MIT Management Sustainability Initiative , Climate Ambassador, EN-Dors, Executive Education, USA
Since 05/2024	Speaker at EU-TECH-Chamber , (Sustainability, Smart Cities, Food), European Union
Since 06/2023	GoAS Ambassador , Global Sustainability Platform, Saudi Arabia
08/2019 - 10/2019	Personal Leadership & Entrepreneurship Coaching , Dortmund
03/2019 - 06/2019	Prince2 Foundation & Prince2 Practitioner , AXELOS Global Best Practice
02/2019 - 04/2019	Agile Scrum Master & Agile Product Owner , EXIN Agile Scrum Foundation
09/2018 - 10/2018	Human-Centered Design (certified), Open HPI, Hasso Plattner Institute, online
03/2018 - 06/2018	Mastering Design Thinking , MIT- Sloan School of Management, Executive Education, USA
01/2012 - 08/2018	LEAN Expert & Coach , Senior Level, 3 LEAN Transformations (E2E) at 2 Blockbusters, BI Pharma
04/2016 - 03/2021	Medical Device Norms: ISO 13485, ISO 23747, ISO 10993, ISO 14971, ISO 20072 , BI Pharma & CP
04/2013 - 08/2016	Six-Sigma Black Belt , BPE Project Manager, BI Pharma Production
02/2014	Communication and Conflict Management , Dr. Stein Consulting, BI Pharma
12/2012	Six-Sigma Green Belt , BPE Project Leader, BI Pharma Production
04/2012	Guiding the change & Coaching competences , Armin Rohm Consulting & Coaching, BI Pharma
09/2009	LEAN-Production Excellence Projects (PEP) , BPE Project Leader, BI Pharma
02/2006	Internal Auditor ISO 9001, Quality Management and Internal Audit , DGQ e.V., Mannheim

Scholarships / Awards and Social Engagement

Since 03/2024	EU- TECH Chamber, Board Member & Advisor / (Sustainability, Smart Cities, Food), EU
Since 11/2023 2023 & 2024	Life Time Member SPSA , Sustainability Professionals of Saudi Arabia's, Hon. Expert, Riyadh, KSA Start-up of the Month in Europe, METTA GREEN DEEP TECH - The most disruptive Tech-Company (Top EU Start Up of the years 2023 & 24), Award from "Digital Innovation Magazine", UK
12/2022	MIT-Top Project Recognition (Disruptive Digital Platform METTA GDT - Symbiotic Ecosystem / Web3.0)
10/2021 - 10/2024	Protectyl Eco-Homes Ltd , Co-Founder, CTO, Social Enterprise & Green Sustainability, Uganda
06/2018	MIT Best Project Award , Mastering Design Thinking, MIT-Sloan School of Management, USA
12/2013	Honor letter from Board of Managing Directors for Warning Letter-FDA-Projects, BI Pharma
11/2006 -12/2007	Steinbeis Fellowship , Scholarship of Steinbeis University Berlin
04/2006 - 10/2006	Richard Winter Foundation , Stuttgart, Scholarships for Diploma Thesis in Research
2004 and 2006	InterStip , Scholarship of the Technical University of Applied Sciences Mannheim
11/2004	Deutscher Akademischer Austauschdienst (DAAD) , Excellence Award of the year
03/2004 - 04/2006	AStA Mannheim University • Member of the University Senate • Foreign Affairs • Sport Referee

Software and IT- Proficiency

MS Office (Word, Excel, PowerPoint, Project), Minitab, QlikView, SAP S/4 HANA ERP, Mind Map, Adobe, Jira, Miro, Monday, Durable, SAFe 6.0 Framework, METTA GDT, En-Roads, Chat GPT 4.0

Language Proficiency

German, English, Slovakian, Czech (●●●●) / Hungarian, Russian (●●) / Hebrew (●) / Latin (med.)



Free Time Activities

Foreign Countries & Cultures, Traveling & Hiking, Contemporary Art (Surrealism, Pop-Art, Action-Painting), NFT & AI-Digital-Art, Metaverse, Reforestation and Nature, Sushi

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