Lux-IT-Consulting

INTERIM MANAGEMENT · PROGRAM LEADERSHIP · MANUFACTURING IT

# Lead engineering. Steer programs. Bring IT, digitalization and AI to the shop floor.

I take on temporary responsibility where engineering, IT and production have to meet—in aerospace, manufacturing and medtech.

SERVICES

# Three fields transformations often keep apart.

01

## Lead engineering

Design, development and certification under regulatory requirements, led as head or interim head of an engineering organization.

- Interim Head of Engineering
- Concessions and change management
- Compliance evidence for regulators

02

## Steer programs

Program and project leadership, responsible for budget, risks and management-level stakeholders.

- Program and project leadership
- Interim Managing Director
- Steering internal teams and external partners

03

## Bring IT, digitalization and AI to the shop floor

PLM, MES and manufacturing IT initiatives, from concept to go-live—including in regulated environments, and with AI where it actually takes work off people's plates.

- PLM · MES · Manufacturing IT
- Computer system validation (V-model, FDA 21 CFR Part 11)
- My own AI agents and automation

ENGAGEMENTS

# How we work together.

| | | |
|---|---|---|
| **Interim engagement**<br>typically 3–12 months | I take over a leadership role for a set period—in a vacancy, a crisis or a restructuring—and work in your line organization with full responsibility. | **OUTCOME**<br>Role reliably filled, successor onboarded. |
| **Program leadership**<br>project-based | I lead a program that spans engineering, production and IT. That covers goals, plan, budget, risks and reporting to executive management. | **OUTCOME**<br>Program on track, decisions prepared. |
| **Assessment**<br>2–4 weeks | I independently review an ongoing initiative or an organization. Where does it stand? What is missing? What is the right next step? | **OUTCOME**<br>Report with findings and prioritized actions. |

APPROACH

# Four steps, cleanly handed over.

01

## Understand

Together we clarify the starting point, goals and constraints, working with the people who carry the work.

02

## Plan

Define goals, milestones, responsibilities and risks. Anything that isn't measurable yet becomes measurable.

03

## Deliver

Lead, steer, decide. Regular reports go to executive management, and issues get escalated early, not late.

04

## Hand over

Results are documented, the successor is onboarded and the organization runs without me.

EXPERIENCE

# From concept to go-live.

**since 2012**
Interim engagements in leadership and program roles

**2**
Companies built and managed

**3**
Industries: aerospace, manufacturing, medtech

**ISO 9001**
**EN 9100**
Quality management implemented and certified

INTERIM AND FREELANCE ENGAGEMENTS

- **Leading Swiss technology group (Aerospace/Defense)**
- **Global Aviation Services**

EMPLOYMENT

- **Biotronik**
- **Airbus**
- **Northrop Grumman LITEF**
- **Diehl Comfort Modules**
- **LMtec Swiss**
- **Labinal (now Safran)**
- **Broetje Services**
- **Premium Aerotec, Augsburg**
- **Helbling PLM Solutions**
- **Premium Aerotec, Varel**
- **P-D Aircraft Interior**

**2014** Hugo Junkers Award, Saxony-Anhalt

**2010** Founder of the Year, Saxony-Anhalt

**2008** Airbus Awards for Excellence

EXPERIENCE

# From concept to go-live.

MEDTECH

## PLM processes and system validation

**Situation**
International medtech group running business-critical IT systems for development and production in a regulated environment.

**Task**
Improve PLM processes, roll out systems and validate them per the V-model and FDA 21 CFR Part 11.

**Outcome**
Projects delivered. According to the reference letter, the contribution to optimizing IT-supported processes was significant.

AEROSPACE · DEFENSE

## Transformation program for the digital value chain

**Situation**
Leading Swiss technology group (Aerospace/Defense) looking to advance its PLM and manufacturing IT processes and bring engineering, production and IT closer together.

**Task**
Led the digital transformation program as a freelancer for 14 months (09/2020 – 10/2021), responsible for teams and external partners, budget, risks and management-level stakeholders under aerospace and defense requirements.

**Outcome**
Put transformation programs into practice where business, engineering, production and IT meet, and advanced the digital value chain with a focus on PLM and manufacturing IT.

Clients anonymized

EXPERIENCE

# From concept to go-live.

AEROSPACE · SPECIAL MACHINERY

## Interim leadership in engineering and programs

**Situation**
Aerospace suppliers, avionics companies and equipment manufacturers in Germany needed interim leaders for engineering, aircraft programs and projects.

**Task**
Six interim engagements in just over five years (05/2012 – 07/2017) as Interim Managing Director, Interim Head of Engineering, Head of Concessions A350XWB, Project Lead MS-21, General Project Manager for special machinery and Senior Program Manager Avionics.

**Outcome**
Led and handed over all six engagements, coordinating with suppliers in Japan and the US and with three international airlines.

AEROSPACE · AUTOMOTIVE · PROTOTYPING · DEFENSE

## Two companies built from the ground up

**Situation**
Two start-ups: a cabin interiors manufacturer and a toolmaker.

**Task**
Full responsibility as owner and managing director, including quality management to ISO 9001 and EN 9100.

**Outcome**
Certification achieved, both companies established in the market and handed over.

Clients anonymized



ABOUT

# Tobias Lux

I come from aerospace engineering. I built and ran two companies, and since 2012 I have worked as an interim manager and program lead. My focus is where engineering, production and IT meet—where initiatives tend to fail at the interfaces, not at the technology.

I take responsibility, make decisions you can follow and hand over cleanly. Based in Neuendorf (Solothurn), working worldwide, remotely or on site, wherever the project needs me.

I know AI from hands-on work, not just from slides. I build and run my own AI agents, which automate research, documents and workflows day to day. I bring that experience to the job of embedding AI in engineering and production in a way that makes sense.

Aerospace | Manufacturing | Medtech | PLM | MES | Manufacturing IT | AI agents

German · English

CONTACT

# Let’s talk about your project.

There’s no obligation in a first conversation. Send me a short note on what it’s about, and I’ll reply within two business days.

Based in Neuendorf (Solothurn), working worldwide, remotely or on site.


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