

LEICHTevolution®



PORTFOLIO – OVERVIEW ALL SERVICES

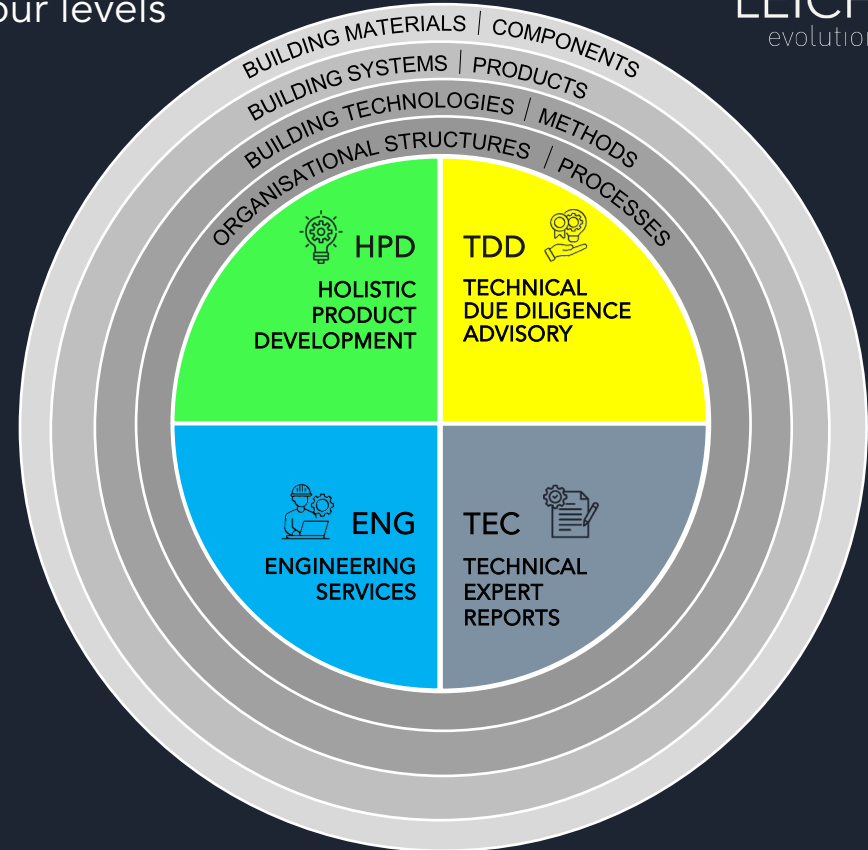


Karsten Moritz | Florian Weininger
English Version | August 2026



WHAT DOES LEICHTevolution OFFER?

One team – Four services across four levels





WORKING TOGETHER TOWARDS SUCCESS

We advise decision-makers



INDUSTRY | MANUFACTURERS

- System and Material Manufacturers
- Start-ups and Scale-ups



CLIENTS | DESIGNERS

- Housing and Real Estate Sector
- Architects and Engineers



RESEARCH | PUBLIC SECTOR

- Universities and Research Institutes
- Public Authorities and Funding Bodies



INVESTORS

- Private Equity Investors and Venture Capital Funds
- Family Offices and Corporate Investors



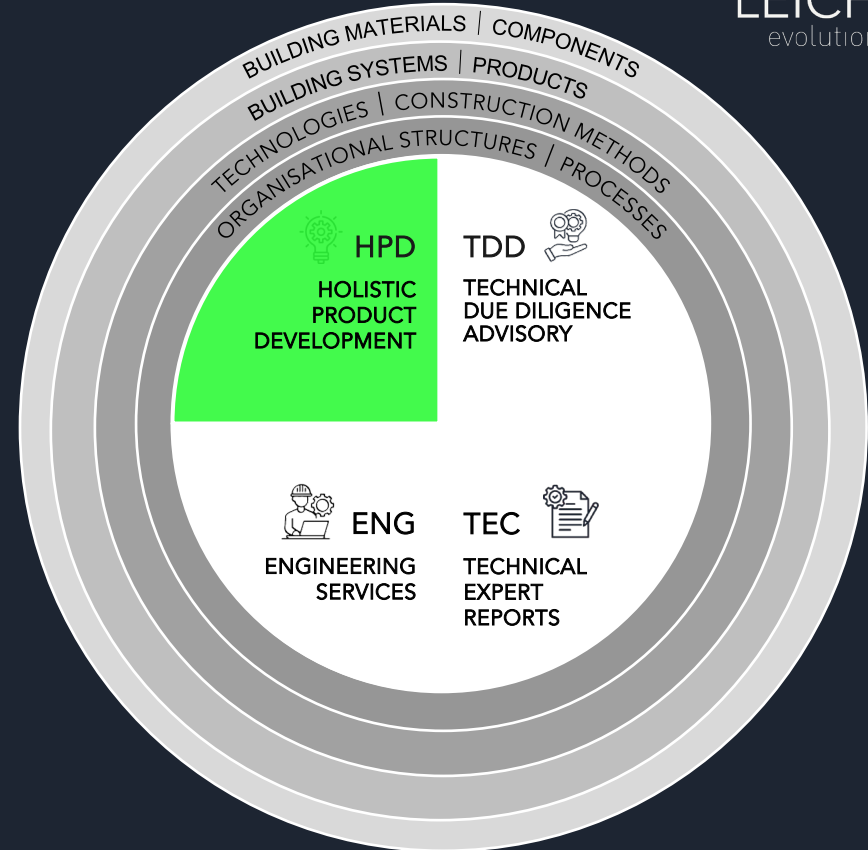
ADVISORS | FINANCIERS

- M&A and Transaction Advisory Consultants
- Commercial Due Diligence Advisors
- Banks and Debt Providers



HOLISTIC PRODUCT DEVELOPMENT (HPD)

From vision to market and series production readiness





HOLISTIC PRODUCT DEVELOPMENT (HPD)

What would you like to develop or optimise?

MATERIALS TECH

- Engineered timber
- Thermal insulation
- Technical textiles
- Foils
- Composite materials
- Coatings
- Steel | Aluminium
- Concrete | Masonry

CONSTRUCTION TECH

- Serial refurbishment
- Modular systems
- Façade systems
- Rooftop extensions
- Assembly techniques
- Detachable connections
- Lightweight surface structures
- Membrane structures

SUSTAINABILITY TECH

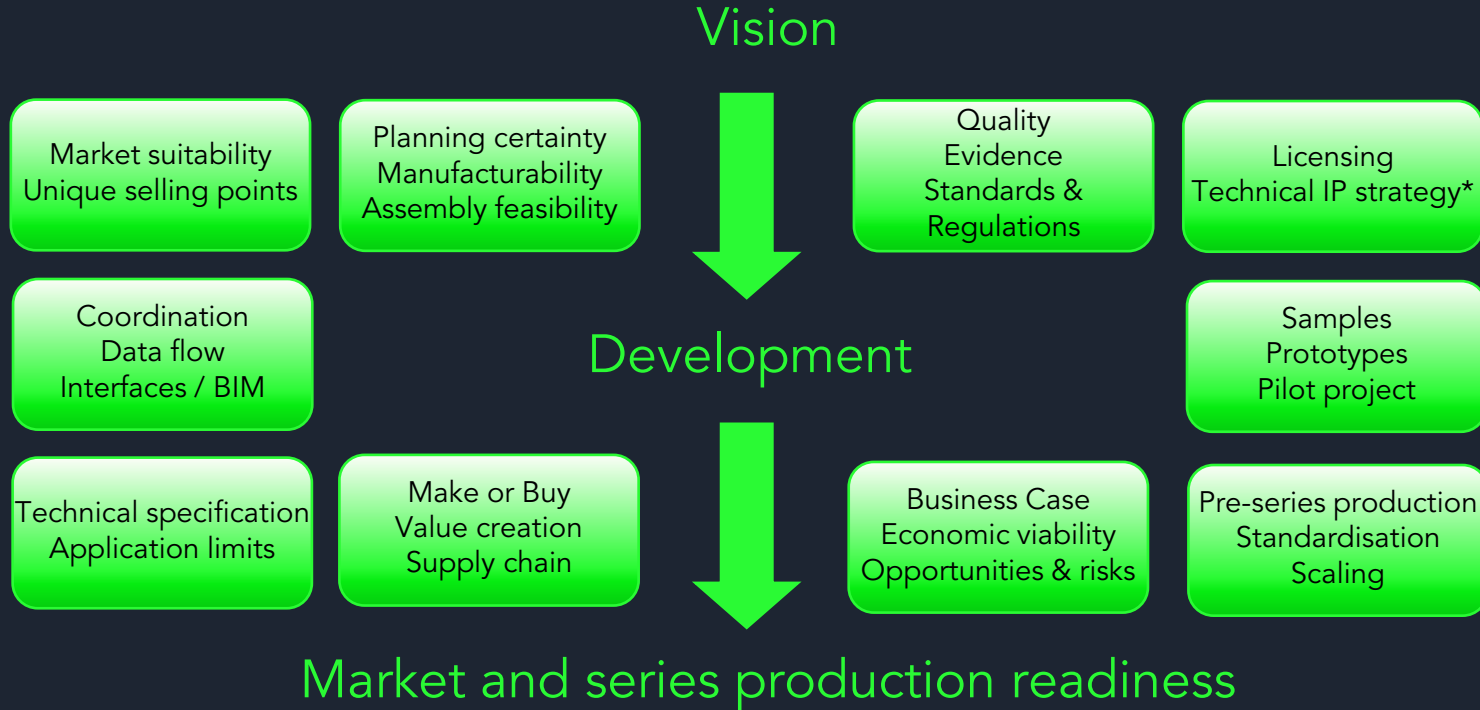
- Circular economy
- Energy efficiency
- Life cycle assessment (LCA)
- Solar energy use
- Sustainable production
- Product / construction approvals
- Environmental certifications
- Environmental product
declarations (EPD)





HOLISTIC PRODUCT DEVELOPMENT (HPD)

Where are you now – and where do you want to go?



*Technical advice and assessment only – no legal advice. A qualified patent attorney should be engaged for legal matters.





HOLISTIC PRODUCT DEVELOPMENT (HPD)

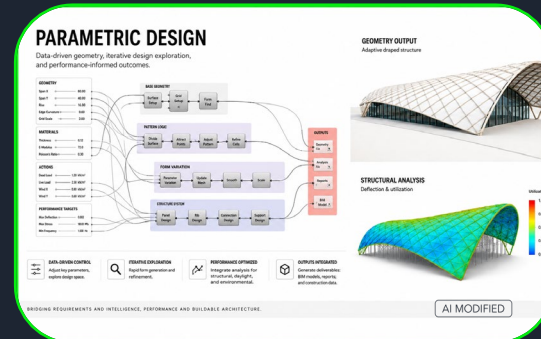
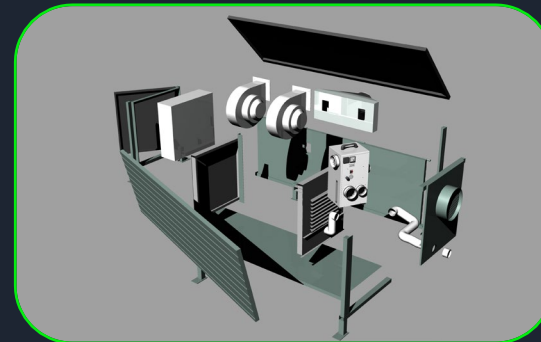
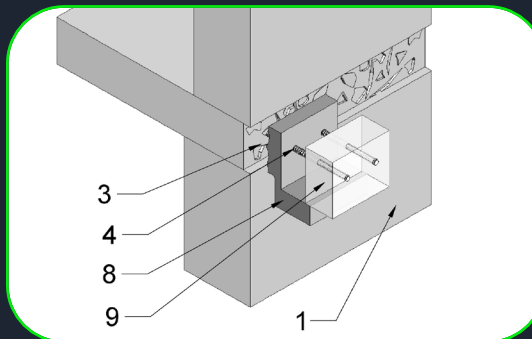
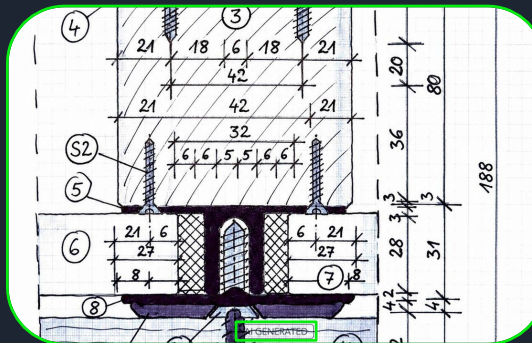
We reduce loops – structured and focused



Good ideas often take too long to become market-ready, scalable and ready for series production.

Typical causes include changing requirements, an unfavourable sequence of development steps, missing approvals, unresolved IP issues or a lack of product-market fit.

We support you from the initial idea through to market launch and series production.





HOLISTIC PRODUCT DEVELOPMENT (HPD)

A possible roadmap – depending on scope, maturity and objectives



* Technical advice and assessment only – no legal advice. A qualified patent attorney should be engaged for legal matters.





HOLISTIC PRODUCT DEVELOPMENT (HPD)

Business Case: Transparent domes on AIDA cruise ships, seele cover GmbH



Component Aluminium clamping profile – fixed to the steel ship structure using A5 stainless-steel screws

Problems

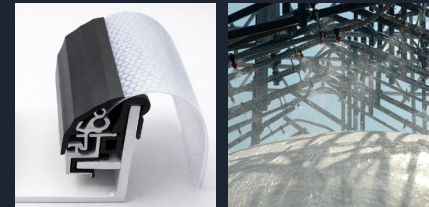
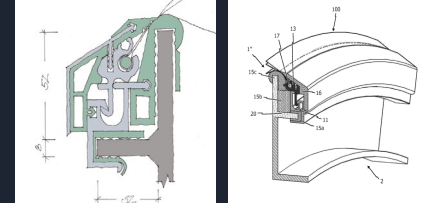
1. Corrosion caused by contact between three different metals in a marine environment
2. A5 stainless-steel screws are cost-intensive

Solution Development of a screwless clamping profile with an EPDM separation layer

Approach Idea, design, patenting, planning, structural design, prototype construction, supply chain, pre-series production, testing, pilot project, manufacturing, installation, series production

Result Since then established as a standard solution for preventing contact corrosion in marine environments, brine baths and industrial environments; indicative values:

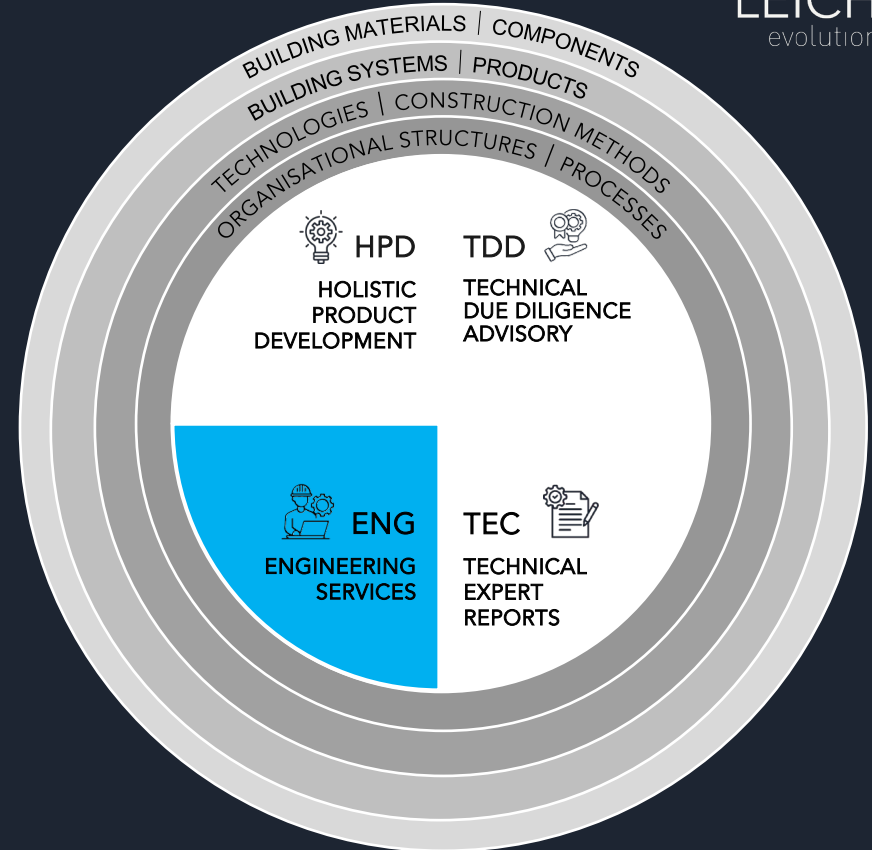
- 40% reduction in the number of components
- 85% reduction in installation time
- 30% reduction in installation costs





ENGINEERING SERVICES (ENG)

We provide planning certainty

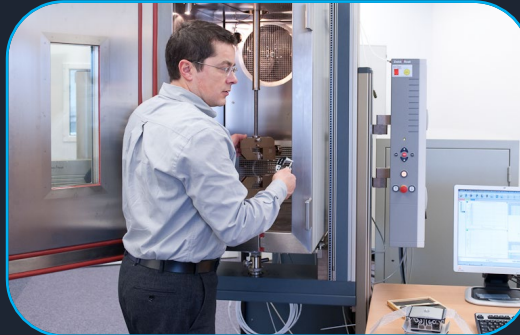
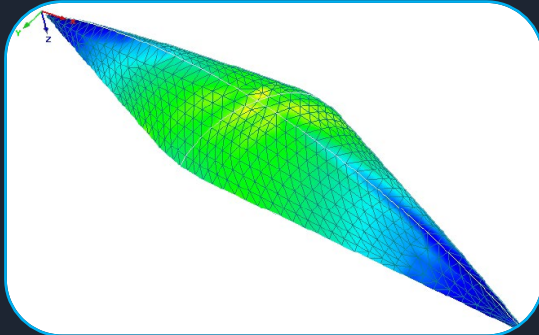
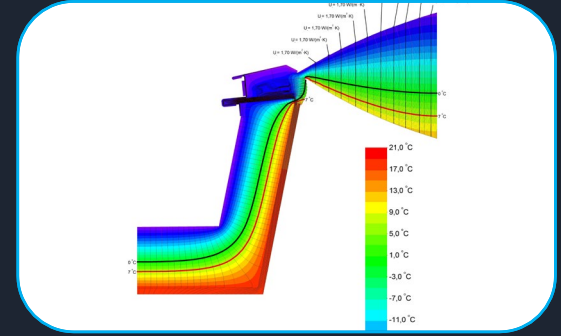




ENGINEERING SERVICES (ENG)

Planning – Analysis – Design – Verification – Evidence

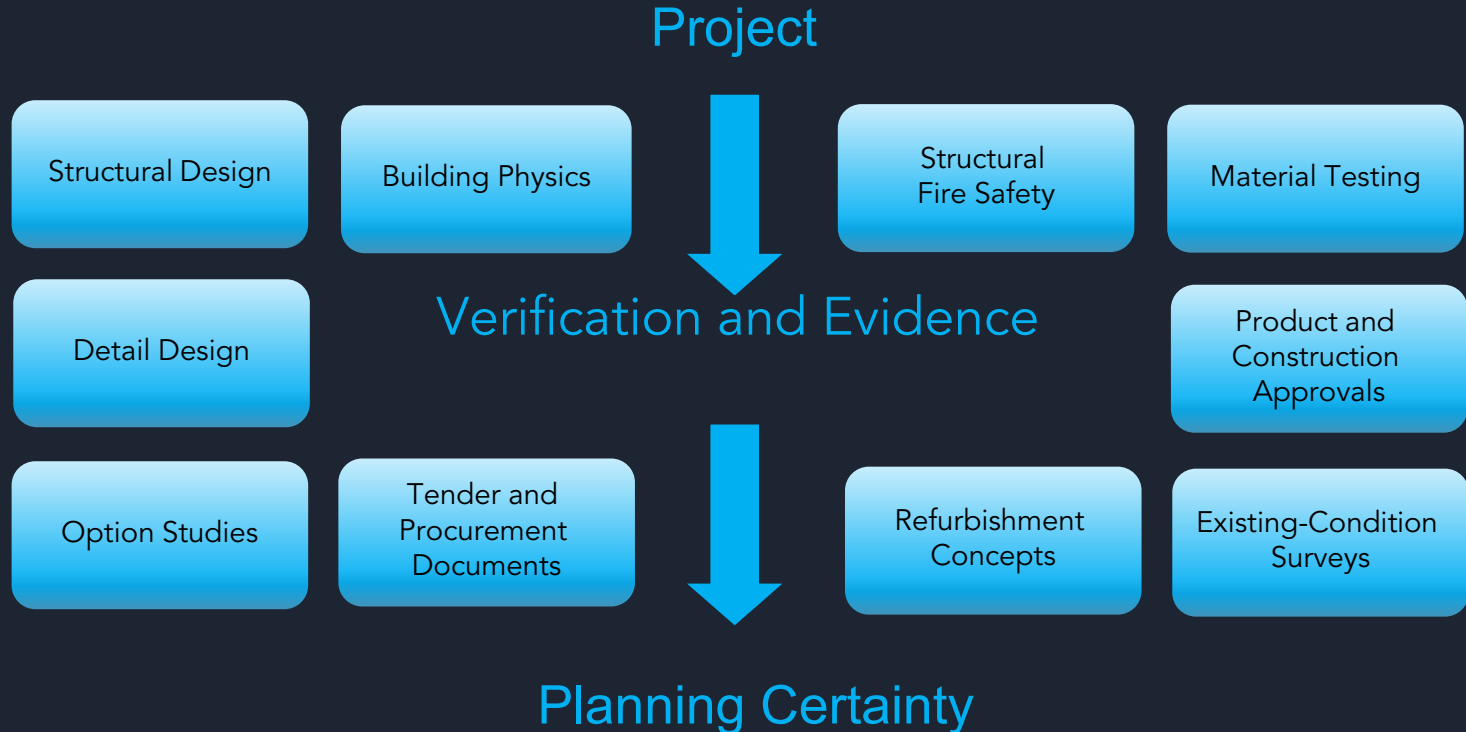
LEICHTevolution combines parametric design, AI and BIM with clear coordination and direct communication – for safe, efficient and focused planning and design.





ENGINEERING SERVICES (ENG)

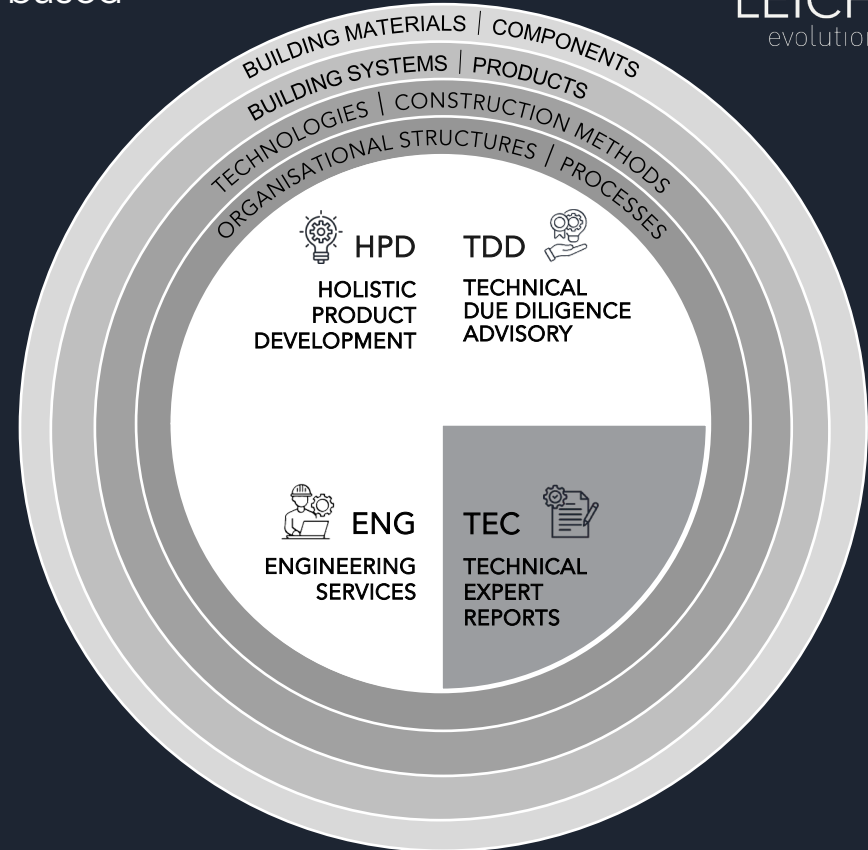
Where are you now – and what do you need?





TECHNICAL EXPERT REPORTS (TEC)

Independent – reliable – evidence-based





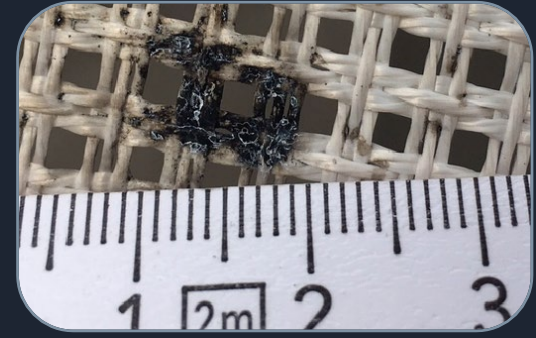
TECHNICAL EXPERT REPORTS (TEC)

No refurbishment without understanding the cause

LEICHTevolution does not limit its work to identifying and assessing visible damage.

We determine causes and effects, contributing factors and suitable approaches to remediation.

This requires sound technical knowledge of damage mechanisms, investigation methods and remediation techniques.





TECHNICAL EXPERT REPORTS (TEC)

How can we support you?

EXPERT REPORTS

- As a recognised expert in structural engineering, lightweight structures and membrane structures
- Investigation of causes of damage, damage mechanisms and resulting consequences

ASSESSMENTS

- Technical assessment of materials, building products, building systems and innovative technologies as well as organisational processes and structures
- Technical support in disputes and claims for damages

CONCEPTS

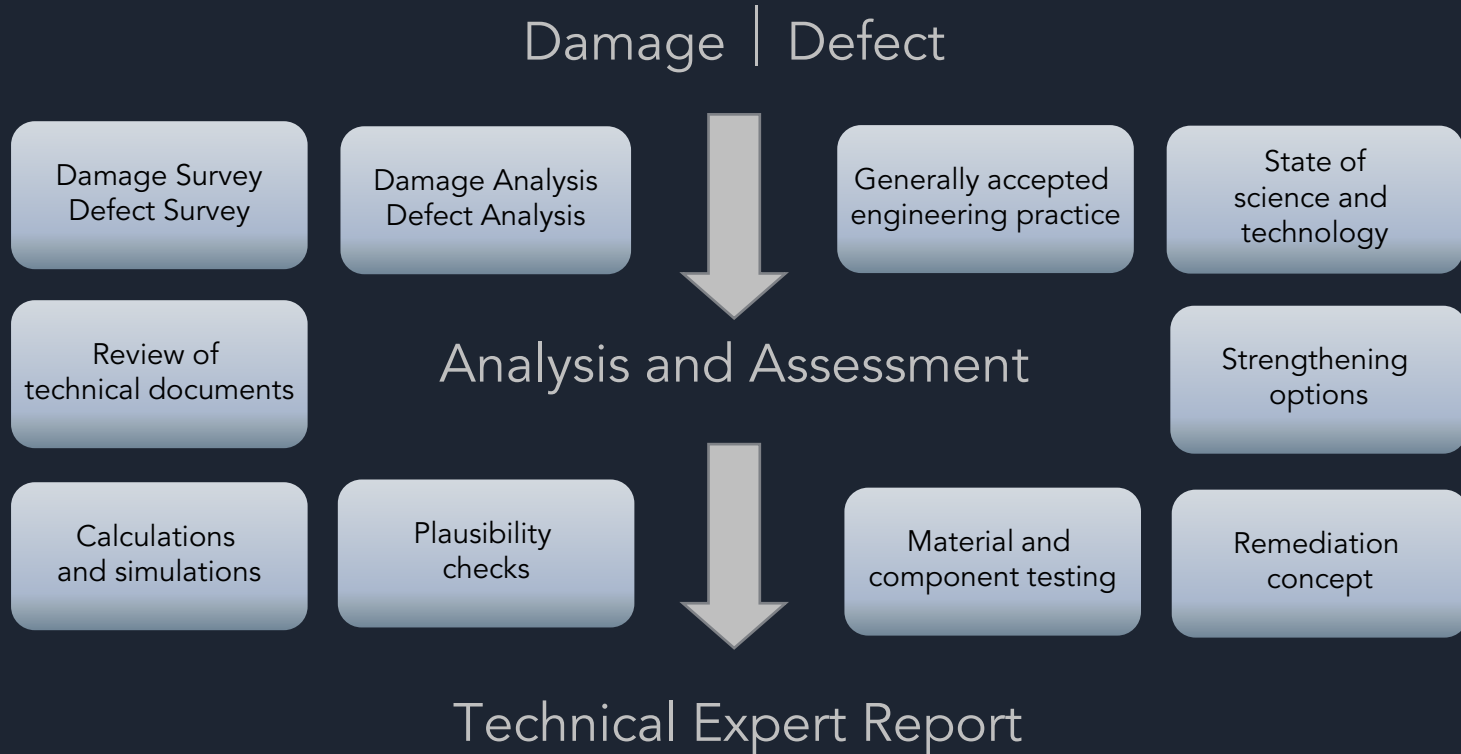
- Remediation concepts and strengthening measures
- Assessment of technical documents and third-party concepts (second opinion)





TECHNICAL EXPERT REPORTS (TEC)

From current condition to target condition – we show the way





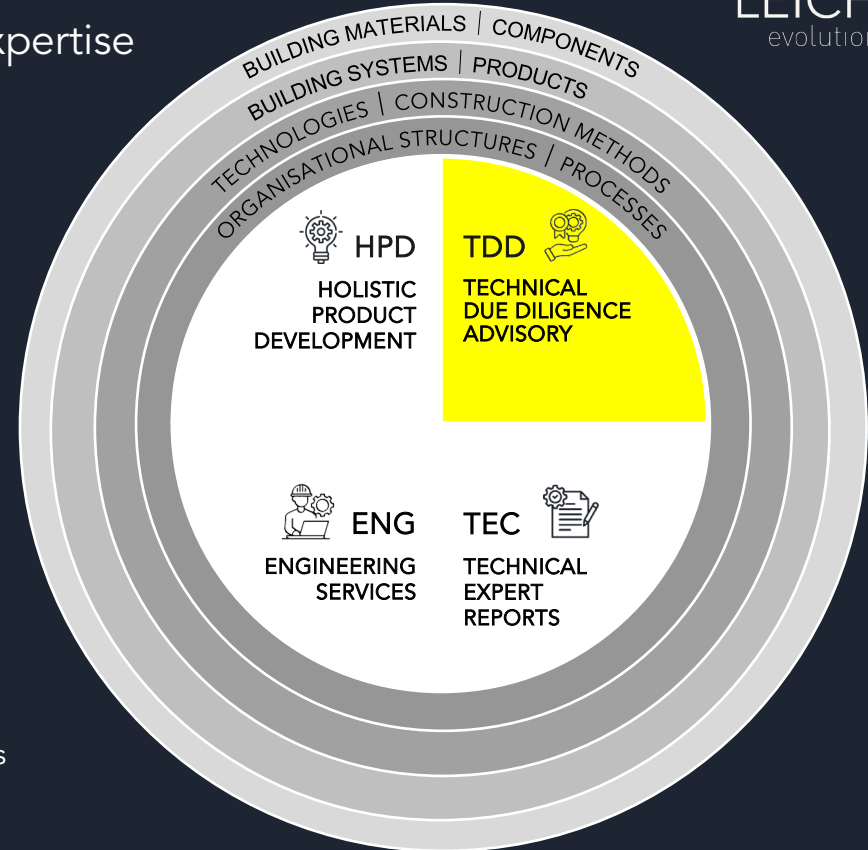
TECHNICAL DUE DILIGENCE ADVISORY (TDD)

Your due diligence team –
complemented by our technical expertise



For investors, financiers and advisors

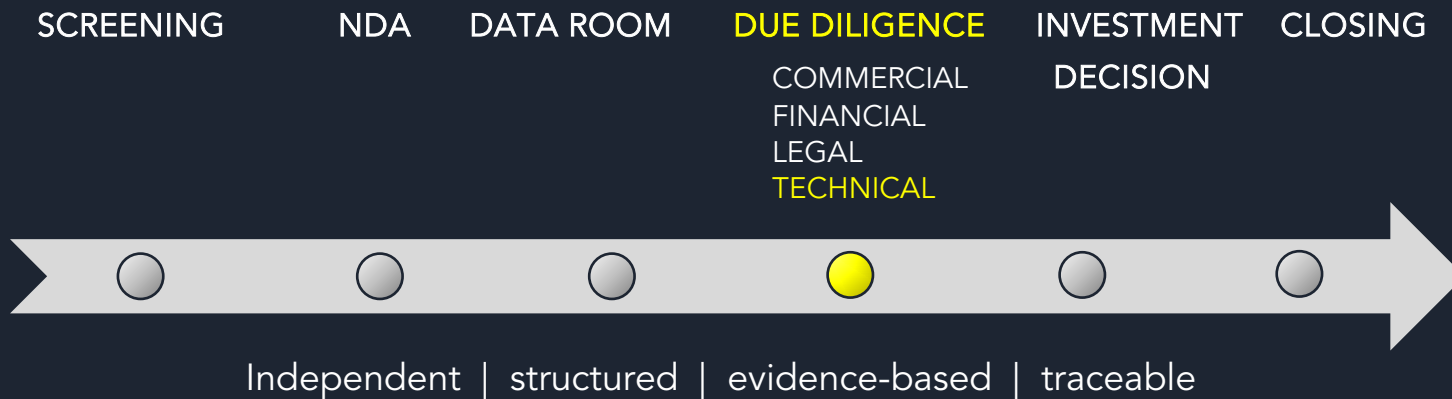
- Private equity investors
- Venture capital funds
- Family offices and corporate investors
- Strategic investors
- M&A and transaction advisory consultants
- Commercial due diligence advisors
- Banks and debt providers





TECHNICAL DUE DILIGENCE ADVISORY (TDD)

Our role in your investment process





TECHNICAL DUE DILIGENCE ADVISORY (TDD)

We provide the technical foundation for your decision-making

DELIVERABLES

EXECUTIVE SUMMARY

ASSESSMENT – Maturity (organisation, technologies, products and processes)



RED FLAGS - Technical risks, deal-breakers, critical weaknesses



POTENTIAL - Optimisation, scaling, industrialisation, value creation



RECOMMENDATION - Priorities, recommended actions, basis for decision-making

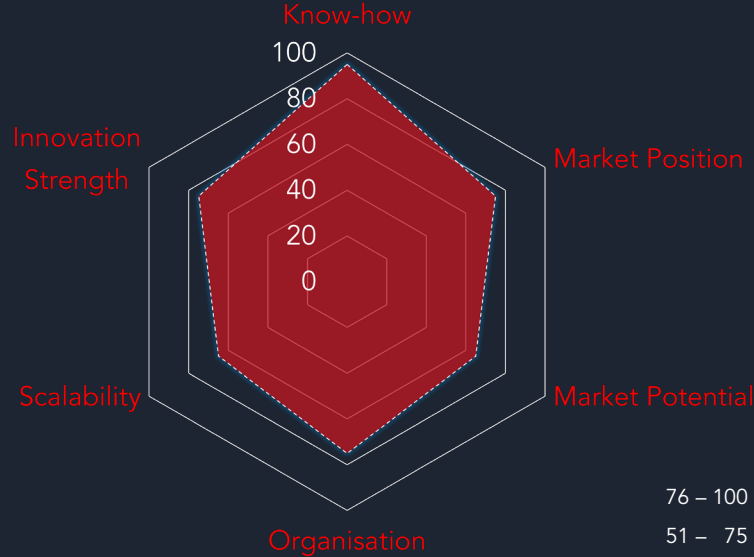




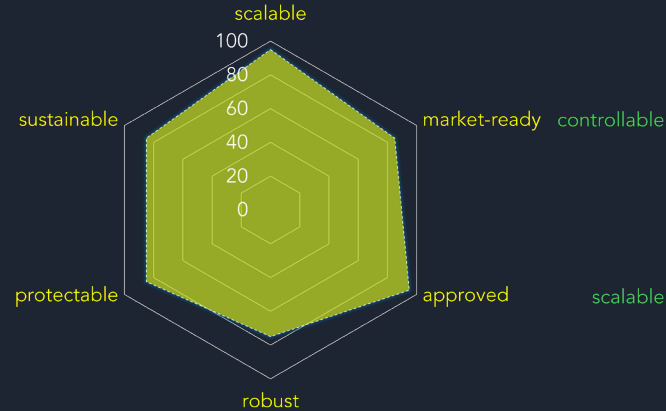
TECHNICAL DUE DILIGENCE ADVISORY (TDD)

Assessing technical risks and identifying potential - example

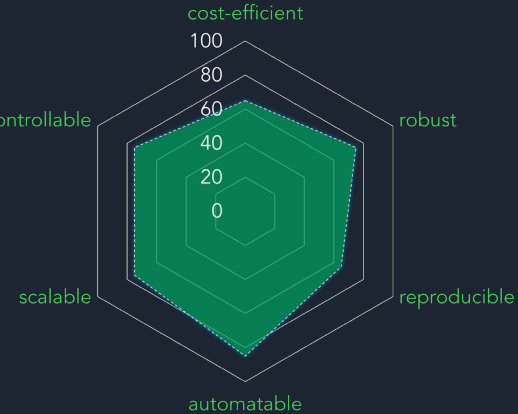
Companies



Products



Processes



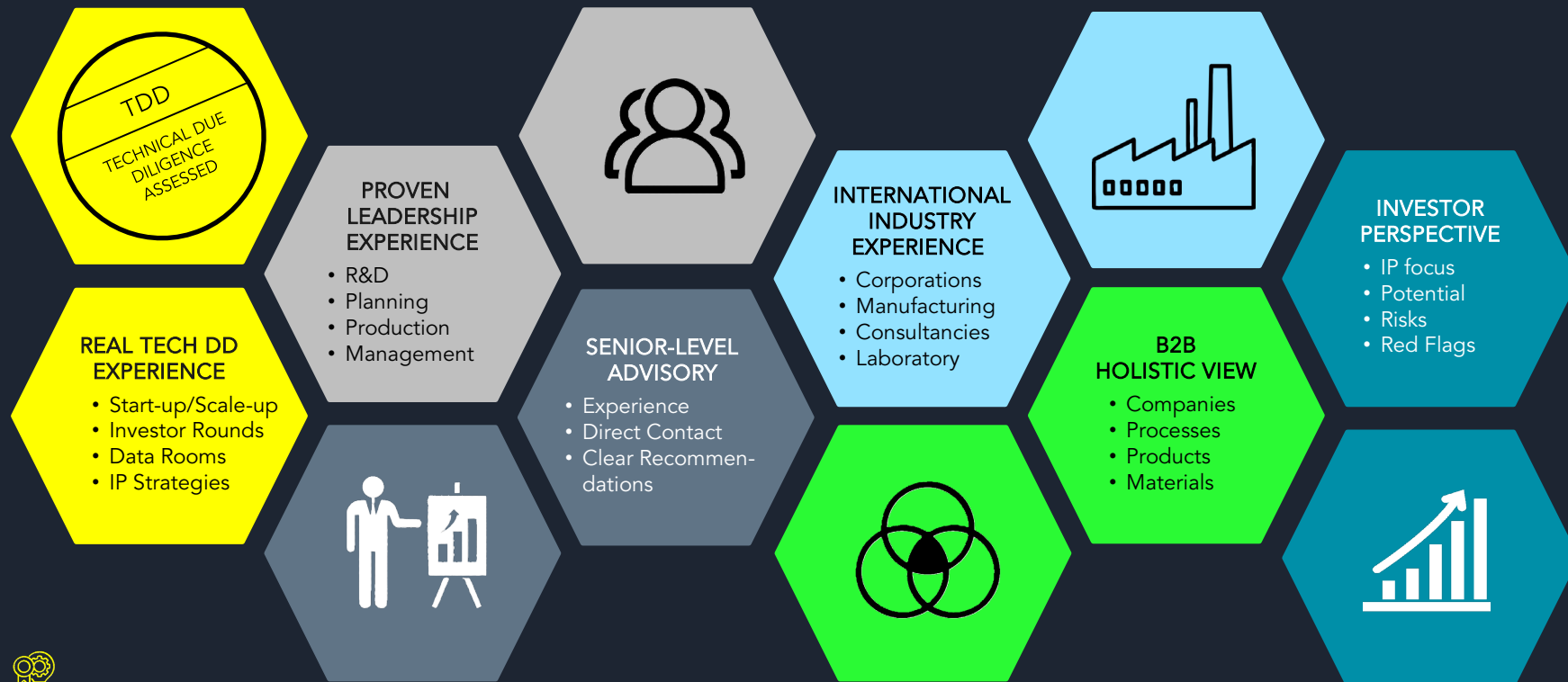
- | | |
|-----------------|--|
| 76 – 100 points | comprehensively substantiated – low risk |
| 51 – 75 points | largely substantiated – manageable risk |
| 26 – 50 points | partially substantiated – increased risk |
| 0 – 25 points | not substantiated – high risk |





TECHNICAL DUE DILIGENCE ADVISORY (TDD)

Six good reasons to choose LEICHTevolution





Your Contacts

Our experience in numbers



Karsten Moritz

Managing Director

Prof. Dr.-Ing.



Florian Weininger

Authorised Signatory

Prof. Dipl.-Ing.



- 4+ Investor rounds on the company side (start-up / scale-up, R&D data rooms and pitches)
- 5+ Projects on technical IP strategies and innovation management
- 50+ Product developments | **15+** patents granted | **4** trademark registrations



- 40 % reduction in the number of components*
- 85 % reduction in installation time*
- 30 % reduction in installation costs*

* Indicative values from selected projects (screwless clamping profile, serial MEP module, serial window reveal box)



- 5+ Teams and departments of up to 12 employees established and managed – Engineering, R&D
- 3,000+ Material and component tests | Test laboratory established and managed
- 30+ Product and construction approvals as well as sustainability certifications obtained



- 4 Engineering consultancies – as founder, co-founder, shareholder or managing director
- 50+ Years of international management experience in industrial and manufacturing companies (combined)
- 50+ Expert reports and technical reports



REFERENCES | CLIENT TESTIMONIALS



"In the development of building products and façade systems, we need partners who combine technical depth with a practical understanding of implementation. LEICHTevolution brings exactly this combination: many years of experience, a fast response and a clear view of buildable solutions. The collaboration is always reliable and focused."

Roland Wiedenroth | CEO | V21 GmbH | May 2026



"Professor Moritz's expert report on a stadium envelope that has been in place for many years was of great value to us. His systematic investigations provided technical clarity and valuable guidance for a refurbishment concept."

Thomas Pohl | General Manager – Commercial | NOVUM MEMBRANES GmbH | April 2026



"When an unexpected technical issue arose on a refurbishment site, we needed a second technical opinion at short notice. Karsten Moritz was quickly on site, assessed the situation clearly and gave us the confidence we needed to continue with the works. In serial refurbishment, that is exactly what counts: understanding the issue quickly, assessing it properly and finding a pragmatic way forward."

Paul Birkner | COO | ecoworks GmbH | April 2026

WE ARE LEICHT



Leading
Efficient
Independent
Collaborative
Holistic
Trusted



LEICHT evolution GmbH

www.LEICHTevolution.de



LEICHT physics GmbH

www.LEICHTphysics.com



LEICHT Structural Engineering and Specialist Consulting GmbH

www.LEICHTonline.com



LET'S TALK ABOUT YOUR PROJECT



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