

TRENTINIAN

AI-native engineering for business software

Trentinian combines experienced software engineering with AI-assisted discovery, design and development to build, modernise and evolve dependable business applications.

AI is used throughout the software lifecycle where it improves engineering effectiveness, while architecture, security, verification and technical responsibility remain under experienced engineering control.

Build with AI.

Engineer for production.

Independent software engineering.

Based in the Arlon-Luxembourg region.

Working with organisations across the Benelux and Europe.

SOFTWARE ENGINEERING SERVICES

Software engineering for problems that need a practical outcome

AI-native engineering can make custom software practical where traditional development is too slow, too costly or too difficult to justify. Trentinian services are organised around the customer situations and outcomes for which software engineering is needed.

Build new custom software

Turn a business need into a dependable production application.

Trentinian designs and develops purpose-built business software where an existing product cannot adequately support the requirement. This may include internal business applications, SaaS products, customer or employee portals, workflow systems and transactional applications.

Take prototypes into production

Turn a promising prototype into software that can support serious operational use.

Trentinian assesses what already exists and defines an engineered path toward dependable production use, including architecture, security, testing, deployment, monitoring and operational readiness.

Take over and modernise existing applications

Recover technical understanding, stabilise what matters and create a practical path forward.

Existing applications are assessed before Trentinian assumes technical responsibility. Valuable functionality, data and product knowledge are preserved where possible while fragile, obsolete or risky parts are progressively improved.

Automate and integrate business processes

Use purpose-built software, APIs and integrations where manual processes or disconnected systems create unnecessary friction.

Trentinian connects applications, business data, cloud services and external platforms through maintainable and secure integrations.

ENGINEERING MODEL

AI increases engineering capacity. Experienced engineers remain accountable.

Trentinian uses AI throughout the software-development lifecycle to increase the speed and breadth of engineering work. AI output is treated as engineering input—not as an automatic substitute for architecture, review, testing, security or professional judgement.

AI-assisted discovery, design and development

Accelerate understanding, solution design and software delivery with AI-assisted analysis, coding, refactoring, testing and documentation.

AI can help analyse unfamiliar systems, explore solution options, identify dependencies and technical risk, generate and transform code, expand test coverage and reduce repetitive engineering work.

Senior engineering throughout

Architecture, implementation and production decisions remain under experienced engineering control.

AI can extend engineering capacity, but accountability for what is designed, built and deployed remains human.

Technical responsibility without lock-in

The customer retains ownership of the application, its source code, data and production resources while Trentinian assumes agreed technical responsibility.

Where practical, repositories, cloud subscriptions, domains and production accounts remain under customer control.

Responsibility beyond launch

Trentinian can remain responsible for the application's continued operation, maintenance and evolution after it enters production.

The engineering knowledge and architectural context developed during discovery and delivery do not have to disappear when the initial project ends.

Use AI to increase engineering capacity, not to lower engineering standards.

FROM FIRST CONVERSATION TO CONTINUED EVOLUTION

A clear, six-step working model

Trentinian structures engagements to create clarity before implementation, maintain visibility during delivery and preserve technical continuity after launch.

01 — Introductory conversation

Understand the business problem, application or software initiative and determine whether there is a good fit.

02 — Discovery and solution definition

Clarify users, workflows, risks, constraints and technical requirements before substantial implementation begins.

03 — Prototype and validation

Where useful, validate key workflows, technical assumptions and solution choices before committing to larger implementation work.

04 — Incremental delivery

Deliver the application in defined phases with agreed scope, working functionality and regular opportunities for feedback.

05 — Production deployment

Prepare the software for dependable operation through repeatable deployment, configuration, monitoring, backup and operational readiness.

06 — Continued technical responsibility

Trentinian can remain responsible for maintenance, support and continued evolution after launch, while the customer retains ownership and control.

Defined scope. Incremental delivery. Customer ownership. Technical responsibility beyond launch.

ABOUT TRENTINIAN

Independent software engineering built around senior expertise and technical responsibility

Based in the Arlon-Luxembourg region, working with organisations across the Benelux and Europe.

Trentinian was created to provide organisations with an experienced engineering partner that can design, build and evolve important business software without unnecessary organisational layers or technical lock-in.



Local presence, remote across Europe

Trentinian is based in the Arlon-Luxembourg region, with local availability and fully remote delivery throughout the Benelux and Europe.



Founder-led engineering

Customers work directly with the founder throughout discovery, solution design and technical delivery, without unnecessary handovers between sales and engineering.



Customer ownership and control

Applications, source code and technology choices remain under the customer's control, without unnecessary vendor lock-in.



Continuity from discovery onward

Understanding developed during discovery and solution design remains connected to implementation, deployment and the continued evolution of the software.

Founder

Trentinian was founded by **Diego Deberdt**, a software engineer and architect with thirty years of experience designing, building and maintaining business software. His experience spans solution architecture, domain modelling, backend and frontend development, relational databases, systems integration, application security, cloud deployment and the ongoing operation of production applications.

Customers work directly with the founder during discovery, solution design and technical delivery. This preserves continuity between the original business problem, the proposed architecture and the implemented application.

OPERATING PRINCIPLES

Engineering principles for long-term software value

01 — Technical responsibility stays clear

AI can extend engineering capacity, but accountability for architecture, implementation quality and production outcomes remains human.

02 — Engineering capacity before organisational complexity

Trentinian uses AI to increase the speed and breadth of engineering work before scaling headcount and organisational layers.

03 — Customers retain ownership and control

Applications, source code, architecture and technology choices should remain under the customer's control, without unnecessary vendor lock-in.

04 — Continuity matters

Understanding accumulated during discovery and solution design should remain connected to implementation, deployment and the continued evolution of the software.

05 — Technology must serve a business purpose

Engineering decisions should contribute to useful outcomes: faster delivery, lower operational cost, improved productivity, dependable software and sustainable business growth.

STARTING A CONVERSATION

Tell us about the business problem, application or software initiative. We will determine whether Trentinian can help and what the most appropriate next step might be.

<https://trentinian.com>

Conversations in English, French and Dutch.

