CLIENT PITCH DECK

Make your data ready for AI.

Modern Data & ML platforms for AI systems. Start with the data and workflows your use case needs.



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THE PROBLEM

Your AI ambitions depend on your data foundations.

Business-critical data is often spread across disconnected systems, fragile pipelines, and legacy platforms.

Teams spend time reconciling numbers instead of using them. AI prototypes add another layer of complexity when the underlying data is difficult to access or trust.

> The challenge is not adding more tools. It is making the system work together.

THE APPROACH

Connect the foundation to the business outcome.

1

Build the foundation

Bring operational data into a consistent, usable platform.

2

Make it dependable

Establish orchestration, quality checks, clear access, and operational ownership.

3

Put it to work

Enable analytics, business integrations, and carefully evaluated AI applications.

One connected approach — from source systems to the people and applications that use the data.

• ABOUT ME

Architecture thinking. Hands-on engineering.

Architecture decisions translated into working data and AI systems.

- Munich-based Data & AI Platform Engineer.
- Energy trading, insurance, finance, and data-platform products.
- Warehouse modelling, cloud ingestion, orchestration, access governance, and multi-agent AI research.



WORKED WITH

Enmacc GmbH Royal Cyber Inc. Astera Software Syssoft Solutions Inc. HBA Basel-Landschaft Brokrly Team

Working style: hands-on implementation and clear trade-offs for technical and business stakeholders.

SERVICES

Start with the problem that matters.

Unclear platform direction?

Map the current setup, identify gaps, and define a practical migration or improvement plan.

Data that is hard to use?

Connect fragmented sources with reliable pipelines, clear access, and usable datasets.

An AI idea to test?

Scope a bounded workflow, build the integration, and compare agent behaviour with a baseline.

Each engagement starts with a defined problem and agreed acceptance criteria.

OFFERING · 01

Know what to change, and why.

A clear view of today's platform and a practical route forward.

- Map current systems, dependencies, and data flows.
- Identify modelling, access, and integration gaps for the use case.
- Agree a target design and phased changes with validation and cutover criteria.

Typical deliverables: a current-state baseline, target design, decision records, and a prioritised roadmap.

OFFERING · 02

Turn disconnected data into usable inputs.

A bounded data flow that people and applications can use.

- Connect the required source systems, not every system at once.
- Build ingestion, transformations, access controls, and orchestration.
- Validate datasets with users; document alerts, recovery, and ownership.

Typical deliverables: a working data flow, validated datasets, infrastructure as code, and operational handover.

OFFERING · 03

Test the AI use case before expanding it.

Define a useful role for an agent and what evidence would justify it.

- Choose a bounded business workflow and explicit tool access.
- Compare agent behaviour with rule-based alternatives where appropriate.
- Use controlled tests and simulations; document limitations and next steps.

Typical deliverables: a scoped prototype, system integrations, an evaluation framework, and recommendations grounded in observed behaviour.

• SELECTED DELIVERY

Finance data ready for analytics.

Finance and CRM data made available for reporting and planning.

Conceptual delivery flow — simplified from the completed scope

SOURCE

Finance APIs

Required source datasets identified and validated.

→

MY IMPLEMENTATION

Incremental ingestion

API-to-cloud pipeline, productionised and scheduled.

→

ANALYTICS ACCESS

Queryable datasets

Finance data available in the cloud analytics environment.

Delivered: scheduled finance ingestion and queryable finance/CRM datasets. Stakeholders confirmed the required queries were usable.

Scope boundary: ingestion completed; downstream planning-platform integration is a separate, ongoing phase.

• SELECTED DELIVERY

Make the current architecture clear.

Due diligence grounded in evidence, not a mix of current capabilities and future plans.

Conceptual assessment workflow — not a client architecture diagram

EVIDENCE INPUTS

Repository documentation

Read-only cloud discovery

→

MY ASSESSMENT

Current-state baseline

Reconcile sources, map architecture, and identify gaps.

→

DECISION SUPPORT

Current vs. target

Separate existing capabilities from future plans.

Delivered: a reviewed architecture baseline, current-to-target comparison, and traceable stakeholder-facing slides.

Evidence boundary: assumptions and unknowns are explicit; future plans are not presented as current capabilities.

• SELECTED RESEARCH

Multi-agent energy trading.

How do LLM-driven agents compare with rule-based alternatives in simulated negotiation?

Conceptual experiment design — no measured results depicted

SIMULATION INPUTS

Energy-domain data

Data-to-simulation transformations; baseline and stress scenarios.

→

LLM-driven agents

Buyer / seller negotiation

Rule-based alternatives

Comparison baseline

→

EVALUATION

Experiment analytics

Negotiation outcomes, economic measures, and model telemetry.

My contribution: energy-specific agents, data transformations, negotiation workflows, and experiment analytics.

Research only: simulated workflows, not live autonomous trading or a claim of commercial returns.

BEYOND THE DEMO

Engineering beyond the happy path.

My wider experience includes:

Platform operations

Improving ingestion continuity, Airflow logging, notifications, and failure visibility.

Governed access

Contributing to data classification, managed access, and infrastructure-as-code adoption.

Reusable data products

Contributing to metadata-driven warehouse tooling and API integration features.

The goal is not just a working demonstration. It is a system another team can understand, use, and maintain.

HOW WE'D WORK

Visible checkpoints, from scope to handover.

1

Discover

Understand the problem, systems, constraints, and stakeholders.

Checkpoint: shared problem

2

Define

Agree scope, deliverables, architecture, and acceptance criteria.

Checkpoint: agreed scope

3

Build

Review increments, dependencies, and trade-offs as implementation progresses.

Checkpoint: reviewed work

4

Validate & hand over

Check behaviour, document limitations, and establish operational ownership.

Checkpoint: accepted delivery

Progress is measured against accepted deliverables — not just activity.

• ENGAGEMENT OPTIONS

Start with a bounded engagement.

ENGAGEMENT	BEST FOR	START WITH	TYPICAL OUTPUT
Architecture assessment	An unclear current state or migration decision.	The decision, current systems, and constraints.	Reviewed baseline and prioritised next steps.
Scoped implementation	A data flow or AI workflow with a clear purpose.	One use case and agreed acceptance criteria.	Scoped implementation, validation, and handover.
Technical advisory	A design or delivery decision needing review.	The options, trade-offs, and evidence available.	Decision records and practical recommendations.

Selective consulting alongside my role at Enmacc. We agree scope, availability, and fees before starting.

• NEXT STEP

Let's define a useful first step.

What is difficult today?

Who needs to use the data or AI output?

What would a useful outcome look like?

Share your current setup and constraints. We can identify a bounded first step and discuss fit and availability.

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Supporting work: Explore public projects on GitHub