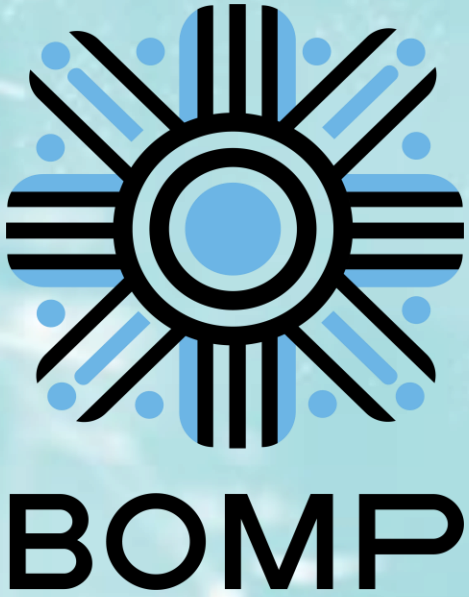
10X Faster Material & Process Optimization

Powered by ML



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Why Industrial R&D Fails to Deliver Fast Enough

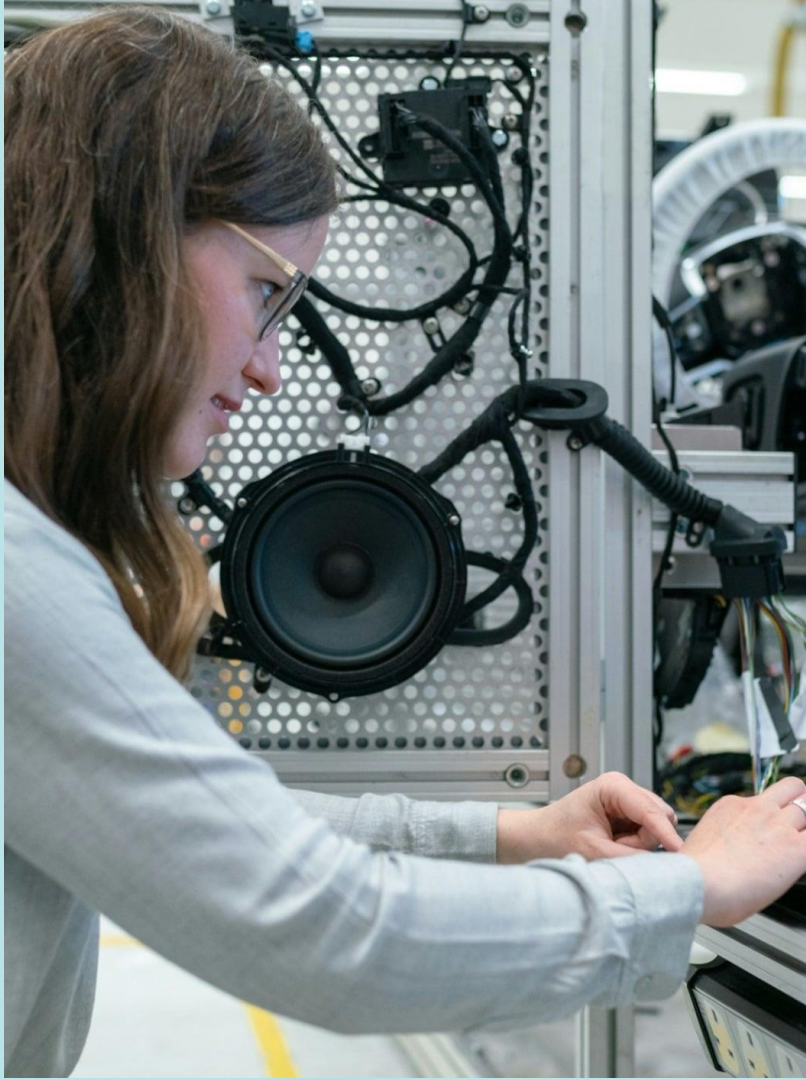
R&D teams waste months developing and optimizing materials and processes for new products.

Trial-and-error loops: Optimization cycles take months (e.g. 6–12 hr feedback loops, hundreds of runs).

Sparse, messy data: Real datasets are small and heterogeneous; traditional tools require 1,000+ rows to work.

One metric at a time: Existing methods only optimize a single parameter, forcing costly rework when priorities shift.

Rising sustainability & regulation pressure: New materials and processes must be tested faster, but today’s approaches can’t keep pace.

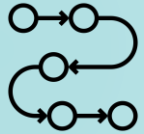


Transforming How Industry Develops Materials and Processes

Small data -> Big results: Optimizes from heterogeneous, sparse datasets with 15–100 rows (vs. 1,000+ for conventional tools)

Multi-objective by design: BOMP optimizes all parameters at once -> 60–80% fewer iterations than single-objective.

Replaces trial-and-error with guided learning: Shortens R&D cycles by 3-5x, saving up to 70% costs



Explainable recommendations: Provides transparent and explainable results for direct implementation

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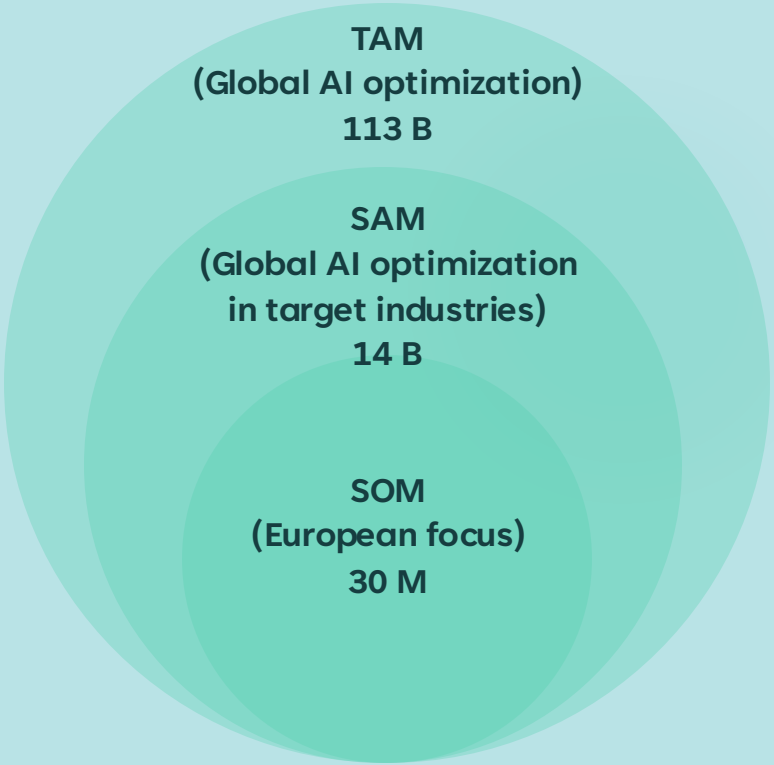
Market Opportunity

Advanced Materials
(Composites, Polymers, Rubber, Metals, Plastics)

Process Industries
(Pulp, Chemicals, Pharmaceuticals)

Manufacturing Process Optimization (Factory Automation, Smart Manufacturing)

Energy & Sustainability
(Optimization of HVAC, Energy Grids, Process Efficiency)



Industry CAGR ca. 40%

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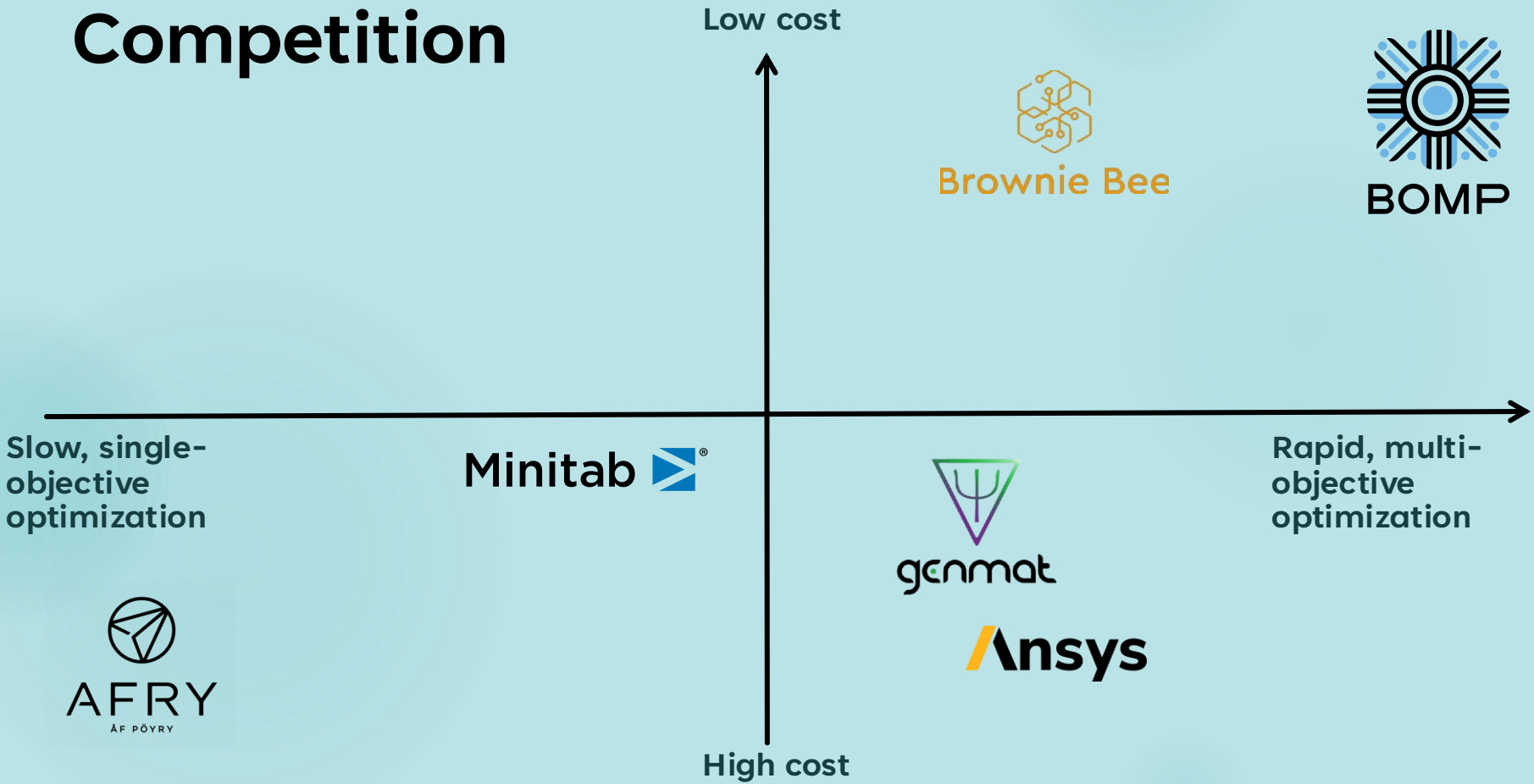
Competition



The Diverse Core Team

Isaac Miranda

CTO

PhD in Engineering Physics. Background in material selection, engineering, and optimization.

Markus Holmström

CCO

MSc. In Strategic Business Development. 10 years of exp. with Deep Tech innovations in materials and energy sectors as a founder, consultant, C-level.

Pamela Ngui

CEO

MBA in Creative Sustainability. Multi-disciplinary background.

Kourosh Mobredi

Head of Engineering

PhD in Applied Physics. Strong background with complex material and algorithm development

Advisors

Juha Koivisto

Research fellow with PhD in Applied Physics. Expert in Machine Learning oriented to Materials Discovery.

Mikko Alava

Professor at Aalto University for 15 years, more than 200 published articles; more than 40 in high impact journals.

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How we are going to make money

Cloud-to-Enterprise Model with Built-In Upsell

1 user	Up to 10 users	Enterprise
1,000€/year	7,500€/year	On request

- **Expand (SaaS Upsell):** Seat expansion + premium features + training → increases ACV 2–5 ×
- **Scale (On-Prem Enterprise):** €25K–250K annual licence → production-grade, sticky deployments
- *Validated in pilots: Cloud for R&D → On-Prem for production. This dual model maximizes adoption and long-term ARR.*

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Go-to-Market Strategy

Currently we are Research-to-Business (R2B) at Aalto University, and we do test pilots for validating the performance, and securing LOIs. R&D units in mid-to-large enterprises already engaged.

Early 2026 BOMP will incorporate and is revenue-ready from day 1 in the EU Market.

2025 (R2B, grant-funded)

- Validate technology via 8-10 pilots
- Secure LOIs in pulp & paper, composites, semiconductors
- Deliver: Tech validated (TRL5), customer intent, ready to sell

2026 (SEED, EUR 1,5m)

- Incorporate, core tech & sales team
- Land 5-7 lighthouse clients in pulp, composite, semiconductors
- Target: EUR 200k ARR, pipeline EUR 500k

2027 (Series A Prep)

- Expand through integration partners (MES/ERP players, consultancies),
- Focus on multi-site enterprise deals, upsell enterprise licenses (€50-250k ACV)
- Team expansion 15+

2028 (Series A / Scaling)

- Enter APAC & US market
- Expand partner ecosystem with automation partners
- ARR target: EUR 2-3M

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10 Industry Pilots Completed Before Incorporation

Proven ROI across several industries:

- Materials & Composites: viable recipes from 20–30 samples (vs. hundreds)
- Pulp & Paper: reduced bleaching cycles from several months to weeks
- Semiconductors: optimized complex wafer polishing parameters
- Sustainable Plastics: months of wasted, manual reformulation eliminated

Adoption signals:

- Interest in white-label licensing from industry leaders
- Several companies ready to convert pilots into paid licenses -> Path to revenue from day 1

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Ask

- **€700k R2B grant already secured** (non-dilutive, validating tech until Jan 2026 incorporation)*
- **Round Size:** €1.5M Seed, targeted closing Q1/2026

Use of Funds:

- 40% Product & R&D
- 35% Sales & GTM
- 15% Hiring (AI & sales)
- 10% Operations

Milestones unlocked (by 2027):

- Solid market position in beachhead markets
- €750k ARR
- Launch enterprise On-Prem version
- Team expansion to 15 FTE
- Series A readiness

*Due to the current Reseach-to-Business Grant we can't generate any revenue, but customers have expressed interest to start paying once we incorporate 01/2026.

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THANK YOU!

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