CircularBlades

— AUS WINDKRAFT WIRD ZUKUNFT —

Yesterday's wind energy — tomorrow's infrastructure.

From wind turbine to park bench.

Premium urban furniture from end-of-life rotor blades · B2G · Switzerland

Marcel Jost · CEO & Founder · 2026

Intelligent processing — our tech layer

There are no blueprints for rotor blades. Every blade is heterogeneous, damaged and stressed for 20+ years — our software makes it manageable.

Digital model

Every blade is digitally captured and modelled — without OEM drawings. The basis for cutting, product and production planning.

Damage & material classification

Image-based detection of delamination, cracks and embedded lightning-protection metal. Classification of usable segments.

Cutting-pattern optimisation

Algorithmic cutting for maximum structurally usable yield per blade — less waste, more products.

Production planning

Data-driven mapping blade segment → product plus capacity, material and logistics planning.

Digital Product Passport (DPP): Material properties and origin traceable across the entire lifecycle.

The Problem

Europe faces a disposal crisis — and landfilling is no longer an option.

55'000 t

rotor blade waste per year in Europe by 2030

DACH focus

~23'300 t/year in Germany alone — 20-year subsidies are expiring, the decommissioning wave starts now.

Landfilling is banned Prohibited in CH (VVEA Art. 10), DE (since 2005), AT, FI & NL. An EU-wide ban is being demanded by the industry.

Disposal costs are rising Operators pay 1,000–3,000 CHF per blade today — trend upward.

Incineration = value loss Cement kilns mean CO_2 and no verifiable upcycling record.

Volume rising — now Expiring subsidies trigger a decommissioning wave. Demand is emerging today.

Our Solution

Premium urban furniture from end-of-life rotor blades — in three steps.

01

COLLECT

Mobile dismantling directly at the wind farm. Contractual gate fee.

02

PROCESS

Waterjet cutting in the workshop. Finished with Swiss larch wood.

03

SELL

B2G direct sales to Swiss municipalities. Digital Product Passport.

"The gate fee covers logistics — the margin comes from the product."

Triple revenue model

Gate fee

~1,000 CHF / blade

Operators pay for collection

Product sales

10,000 – 25,000 CHF / blade

Premium B2G direct sales

GFRP granulate

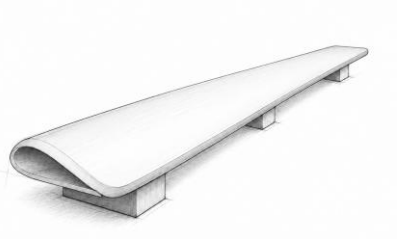
~250 CHF / blade

Secondary material to construction industry

Our Product Portfolio

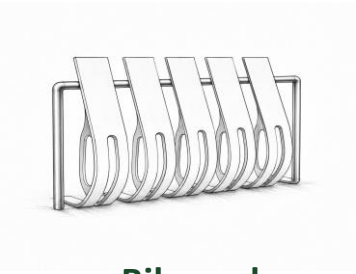
From park bench to shelter — every piece unique.

Bench



Bench Big

Armchair



Bike rack

Planter

Info panel

Market & Timing

Why now? The market constellation is right.

23,300 t

rotor blade waste/year
Germany alone by 2030

250 m

CHF urban furniture market
Switzerland per year

3–5 m

CHF SOM in year 3
deliberately conservative, CH focus

Regulatory pressure

Landfill bans in force (CH, DE, AT, FI, NL); EU-wide ban under discussion.

Political tailwind

Green Public Procurement is promoted across the EU.

First mover Switzerland

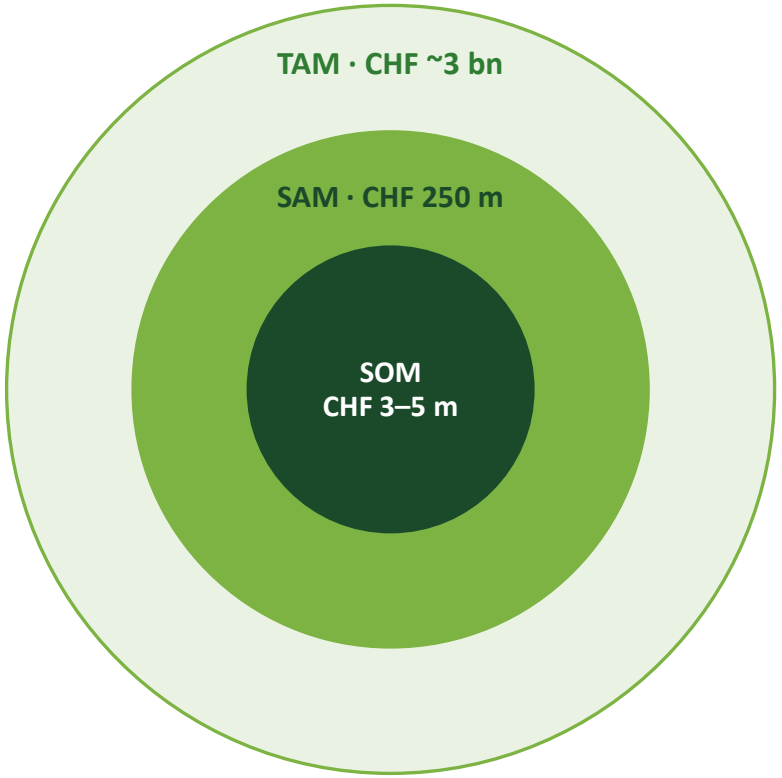
No local player active — Anmet only imports from Poland.

Lessons learned

Canvus bankruptcy 2024: wrong model (B2C/sponsoring) — we do B2G.

Market Size — TAM / SAM / SOM

Start in Switzerland, scale to Europe — deliberately conservative estimate.



TAM — CHF ~3 bn / year

European street furniture market (seating, shelters, bike).

SAM — CHF 250 m / year

Swiss urban furniture market — B2G, municipalities & cities.

SOM — CHF 3–5 m / year

Realistically achievable by year 3 (≈ 1–2% of CH market).

TAM based on external market estimates (European street furniture, ~35% share); SAM/SOM from own bottom-up calculation. Illustration not to scale.

Business Model & Revenue Forecast

The raw material costs nothing — the gate fee covers logistics. Figures as a conservative model.

The model logic

Raw material with negative price

Operators pay the gate fee (~1,000 CHF/blade) — it covers logistics.

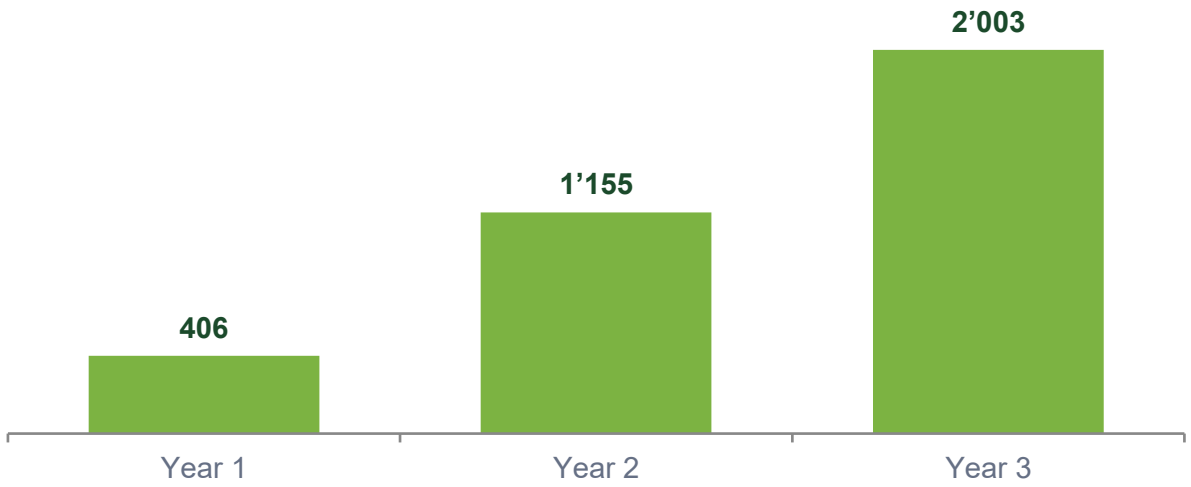
Value in the product

Premium urban furniture in B2G direct sales to Swiss municipalities.

Scaling

Secured input via supply contracts; fixed costs decrease per unit.

Revenue forecast (model) — in thousand CHF



Blades processed: 25 / 60 / 90

Break-even targeted from year 2 · *conservative model, costs under validation.*

Funding Strategy

Start non-dilutive — then a focused seed round.

PHASE 1 — Kickstart funding

2026 · non-dilutive

CHF 50,000 – 100,000

Source: foundations, prizes & funding instruments

- Albert Koechlin Foundation · LUKB Future Prize
- Innosuisse Coaching · Inno-Check GR

Use: 1–2 rotor blades · 3–5 prototypes · first LOIs · CircularBlades GmbH founded

PHASE 2 — Seed round

2027

CHF 500,000 +

Use

- Machinery & production setup
- Team: production + sales
- First serial processing
- Start certification

+ Innosuisse Core Coaching possible

Advantage of this sequence: No equity in the riskiest phase. The seed valuation already rests on prototypes, signed LOIs and a validated gate fee.

Traction & Validation

What we already know — and what we prove with the kickstart funding.

Already validated

- **Market demand confirmed** — 12 months research, eMBA thesis FH Graubünden
- **Concept de-risked** — Comparable model (Anmet, PL) proven since 2014
- **Regulatory tailwind** — Landfill bans in place in CH, DE, AT, FI & NL
- **Scientific partners** — FHNW (IKT), HSLU and TU Delft
- **First talks in progress** — Wind farm operators and municipalities contacted

What we prove with the kickstart funding (50–100k)

Prototypes built

Real products — not just renderings

LOIs signed

At least 3 municipalities signal buying interest

Gate fee validated

At least 1 operator confirms conditions

The Team

Entrepreneurial experience, financial excellence, academic depth.

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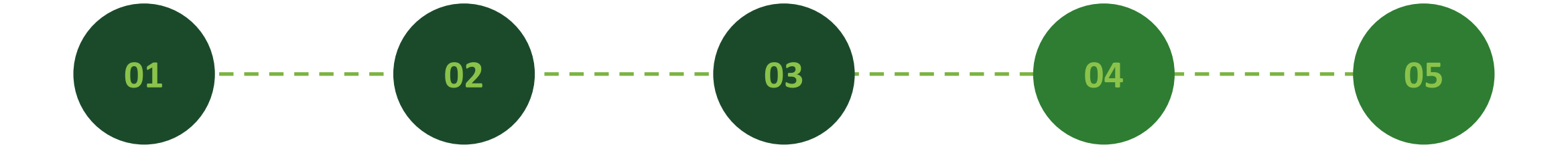
Open roles: Production Lead (GFRP manufacturing) · B2G Sales

Roadmap to Seed Round

Clear milestones, measurable traction.



Q3 2026

GmbH founded

Q4 2026

Kickstart funding
(foundations / prizes)

Q1 2027

Prototypes
+ first 3 LOIs

2027

Seed round
CHF 500,000 +

2028

Production start
& first series

From founding to serial production — with non-dilutive kickstart funding as a bridge.

What I am looking for

From wind turbine to park bench — I'm building the first visible circular project of its kind in Switzerland.

Customers

Swiss municipalities & cities for first pilot installations in public spaces.

Partners

Wind farm operators (blade supply), urban furniture distribution, civil engineering & landscape architecture.

Co-Founder

Operational/technical complement — GFRP manufacturing or B2G sales.

Marcel Jost · CEO & Founder CircularBlades

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