



Ai Based Climate Impact Analysis For construction





Arch. Yanin Kliro
CEO

Architect & Sustainability Leader
10 yrs in private practice
Former Ministry of Environmental
Protection

Expertise: Urban sustainability & climate
integration

Focus: Lead vision, strategy & product
development



Michal Grinvald
CTO

Geospatial Strategist (30 + yrs)
Expert in AI-powered urban GIS
solutions
Leads R&D on climate-adaptive
design tools

Focus: AI + architecture for resilient
planning



Eli Itzhak PhD
CDO

GIS & Geo-AI Expert (40 + yrs)
PhD in Geospatial Sciences
Specializes in digital mapping & spatial
analytics

Focus: Climate model integration &
data architecture

Our vision with CLIMFO is a future where all buildings mitigate the climate risks it faces. CLIMFO empowers 100,000 planners, architects, and cities to create spaces that are safer, smarter, and built to endure a changing world in 5 years.

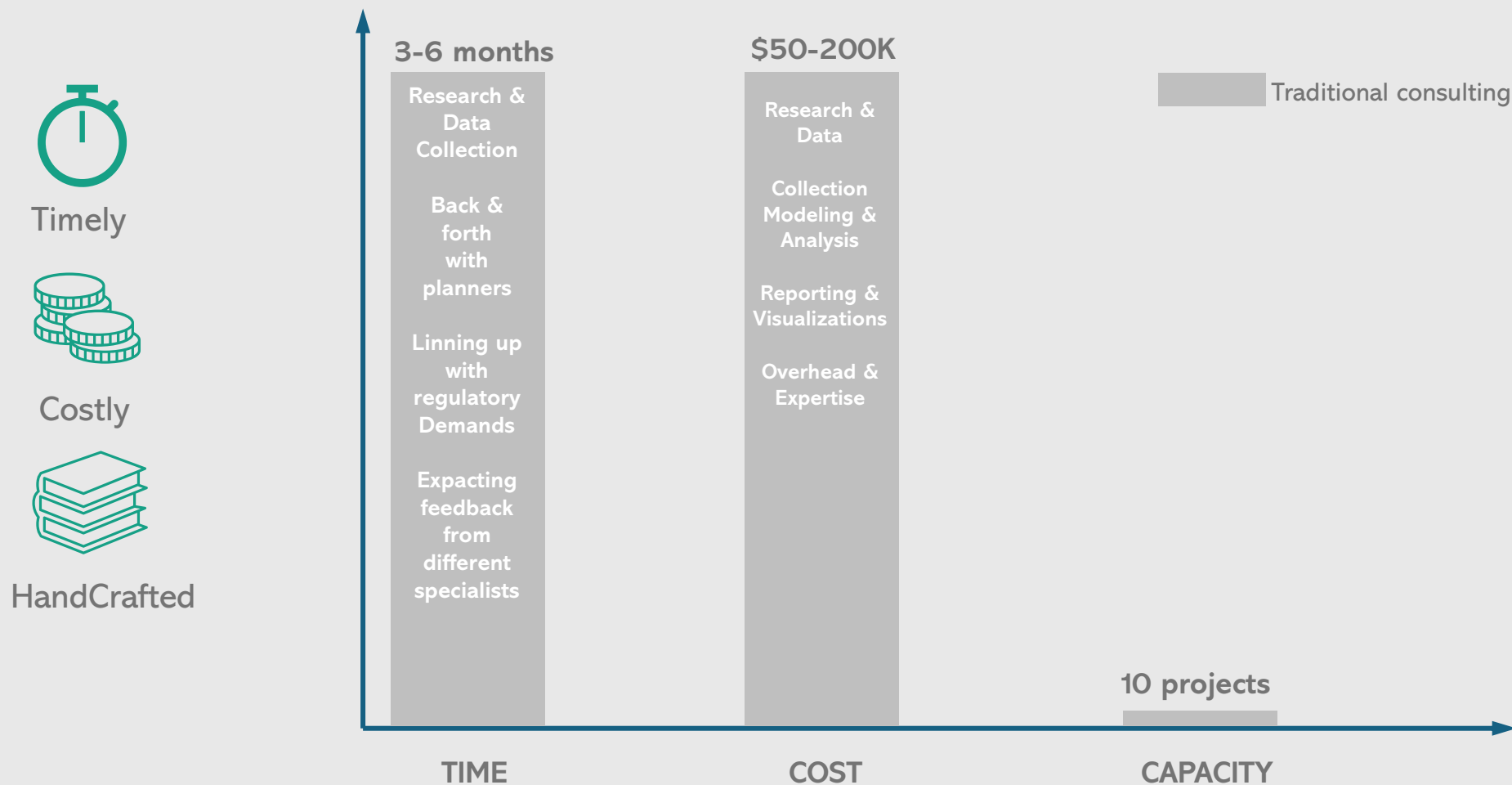
MARKET PROBLEM

The problem:

Climate-risk analysis in construction is slow, costly, and impossible to scale due to fragmented data, manual workflows, and the lack of integration between planning and environmental tools.

Who suffers:

The construction industry - developers, contractors, planners, and regulators.





Automated climate AI

Instant, data-driven climate intelligence



Site-specific insights

Localized risk assessment for every site



Actionable resilience

Clear guidance to mitigate risks & cut costs



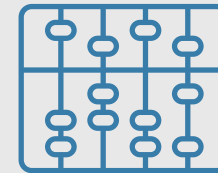
Scalable & Universal

Automatic profiling of client type & tailored recommendations



Client-Specific Adaptation

Direct mapping of climate risks & physical hazards to buildings and components



Climate-to-Asset Translation

Applicable across all construction sectors & geographies



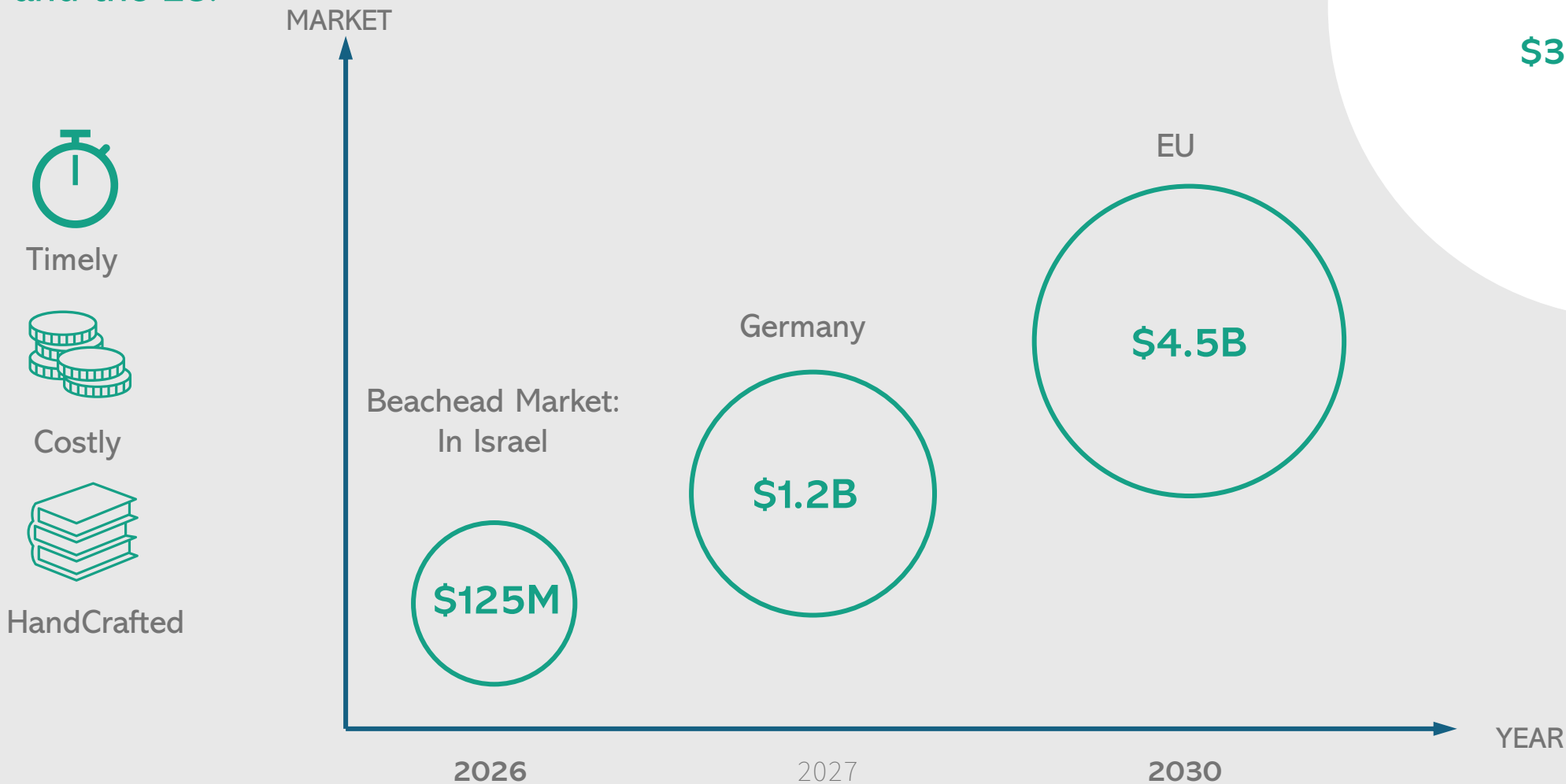
Sector	Client Type	Climfo Value	# of entities ISR	# of Entities EU	2025 TAM
Urban Planning & Municipal Infrastructure	public	Climate-risk layers for zoning & resilience planning	257	90000	30k*90k=\$2.7B
Architecture & Design Studios	private	Site-specific GIS risk insights for early design	1200	35000	\$1B
Environmental Consulting Firms	private	Exposure/vulnerability indices for EIAs & assessments	300	7000	\$210M
Real Estate Developers & Contractors	private	Pre-investment climate risk and adaptation planning	700	12000	\$360M
Green-Building Certification & Sustainability Consulting (LEED/BREEAM/EDGE/5281)	private	Quantitative climate metrics for certification scoring	300	2000	\$60M
Infrastructure & Utilities	public	Extreme-event scenarios for critical assets	1200	1000	\$30M
Finance & Insurance (Real Assets)	Private (institutions)	Physical-risk scoring for loans and assets	200	2500	\$75M

Subscription fee is \$2.5K monthly, 2500*12=30K

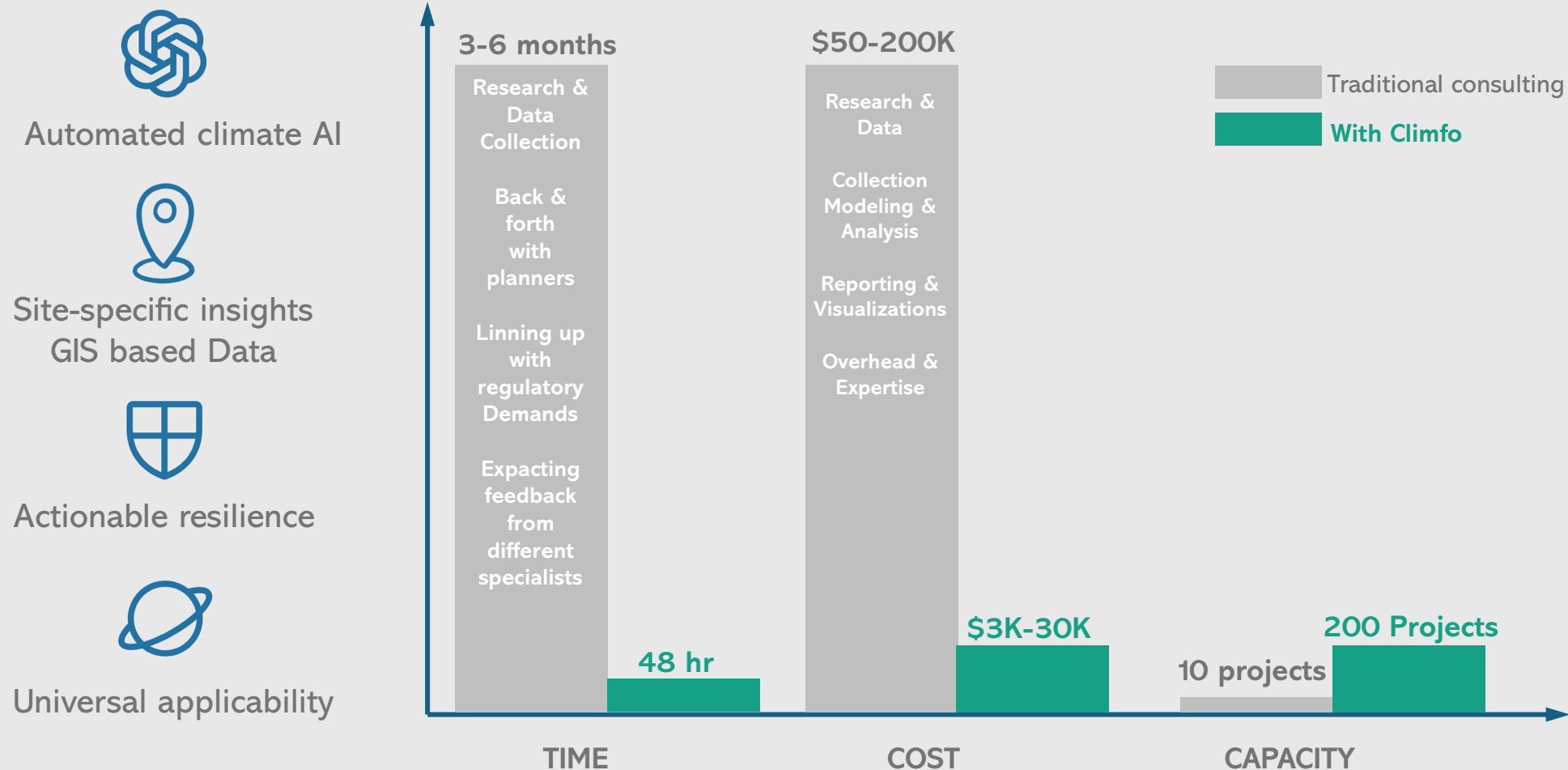
CLIMFO addresses the key segments across the built environment- architects & engineers while scaling towards : regulators, consultants, developers, certification experts, infrastructure, and finance, representing an estimated \$7B+ addressable market by 2025 in Israel and the EU.

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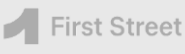
\$340B (2024)



Climfo cuts time, cost, and workload by up to 90%



UNIQUE VALUE PROPOSITION

	Primary Clients	Core Activity	Example Hazards / Models	Year funded	Scope & Notes
	Financial institutions, insurers, risk managers	Stochastic "Climate Digital Twin" for compounding and tail-risk analysis. enables stress testing	Multi-scenario probabilistic modeling	2019	Global coverage, runs on AWS HPC, focus on uncertainty propagation and portfolio stress tests.
	Governments, infrastructure owners, finance	Quantifies asset/infrastructure damage and financial loss due to physical climate hazards	flood, fire, wind, coastal, uses GCM + local data/engineering archetypes	2016	Global coverage (>175 countries), publishes sector reports (e.g., hospitals, data centers).
	Banks, real-estate funds, asset managers	Translates physical climate risk into financial loss metrics, asset- and portfolio-level analysis	Broad hazard library (flood, subsidence, heat, drought, coastal erosion, etc.)	2020	EU-ready, aligned with TCFD/ISSB, available via AWS Marketplace.
	Banks, insurers, energy & infrastructure firms	Climate risk quantification using EO (Earth Observation) + AI, supports financial risk metrics (PD/LGD) for regulatory compliance	Flood, drought, wildfire, landslide, heatwave, earthquake	2022	"Climate Suite" platform with dashboard & API, strong EU financial regulation alignment (EBA Pillar 3).
	Corporates, industrials, multi-site portfolios, supply chains	Consulting-led climate-risk assessment & disclosure, adaptation roadmaps, and visualization, EcoAct's ECLR tool screens site vulnerability across multiple hazards	Multi-hazard screening incl. up to ~28 hazards in EcoAct platform, risk & adaptation strategy	2006	Services + tooling, integrates risk assessment with decarbonization/supply-chain programs and resilience planning.
	Banks, insurers, capital-markets players	Integrated physical + transition risk analytics and macro-economic stress scenarios	Flood, heat, hurricanes, SLR, drought, wildfire	1995	Part of Moody's Analytics suite, products span sovereign, sector, and asset levels.
	US real estate, banks, consumers (foundation)	Property-level climate risk scores and expected annual loss estimates	Flood, fire, wind, heat, air quality	2016	US-focused, based on exposure + building attributes, vulnerability curves developed with Arup.
	Developers, owners, design teams, investors, lenders	Green building standard & certification + free EDGE App to optimize designs for savings in energy, water, and embodied energy in materials vs local baseline, higher tiers: EDGE Advanced (≥40% energy) and EDGE Zero Carbon	Not a hazard-risk model, focuses on resource-efficiency performance and carbon (design & O&M)	2014	Used in 100+ countries, certification administered by GBCI/partners, clear, streamlined process and guidance for projects.
	Real-estate investors/asset managers, developers, municipalities, planners	SaaS for evaluation, optimization & certification of climate-resilient urban planning/architecture, 3D analytics and "Climate Check/Proofing" along project lifecycle	Urban climate KPIs across heat, water, air, biodiversity, energy, digital-twin climate analysis	2018	Focus on asset/district/city-scale urban microclimate, recognized by UKGBC, Vienna-based ClimateTech.
	Energy, industry, insurance, real estate	Combines physical + AI climate models for rapid insights into acute and chronic hazards	Extreme weather, wildfire, flood, long-term horizons (~100 years)	2018	Product + scientific models + expert advisory, backed by Microsoft.
	Energy, industrial, and infrastructure sectors	Physical climate risk assessments and downscaling, with engineering consultancy support	Multi-hazard modeling, includes hail-risk service for PV assets		Combines software tools and expert services, strong in uncertainty quantification and validation.
	Building industry - Urban planners, municipalities, environmental consultants, and	AI-powered climate risk assessment and adaptation planning platform integrating GIS maps and urban design data to support climate-resilient decision-making in the building and construction sector.	Heatwaves, Extreme cold, rainfall, flooding Sea-level rise,Drought & soil shrink-swell, Wildfires, Strong winds, Poor air quality, Groundwater rise	2025	

feature	Focus	Core tech	integration	Use case	differentiator	Form factor	Business model	Market fit
CLIMFO vs. Competitors	Site specific climate intelligence for the built environment	GIS-based platform combining climate models, AI/ML, and adaptation analytics	Connects with different planning tools	Planning, design, and environmental consulting (vs. financial or risk-only tools)	Provides actionable design recommendations and urban-scale adaptation insights	Web-based dashboard + API modules	SaaS, multi-tier subscription per user or organization	Built for municipalities, architects, engineers, and ESG consultants needing practical, GIS-based climate insights.

Unlike competitors that focus mainly on financial risk or single-hazard scoring, CLIMFO turns spatial climate data into practical, site-specific design guidance that helps cities, planners, and engineers build more resilient environments.



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Relevant climate risks
DATA for buildings \ plans
per location



MONTHLY SUBSCRIPTION



Revenue Model
(SaaS) Monthly subscription:
\$1,250 – \$4,500 / seat
Tiers: Basic | Pro | Pro Extra

Add-ons: Enterprise API,
advanced climate modules,
custom GIS layers



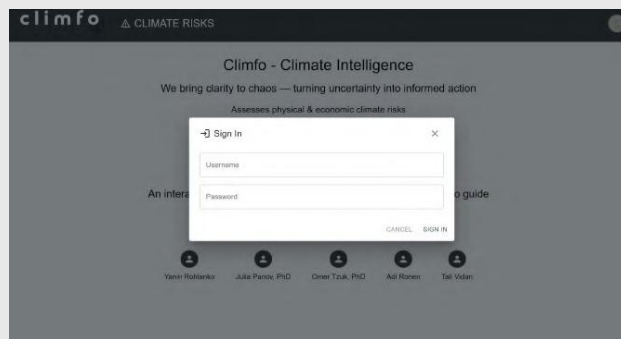
Architects & Engineers and
environmental consultants



C

Collect

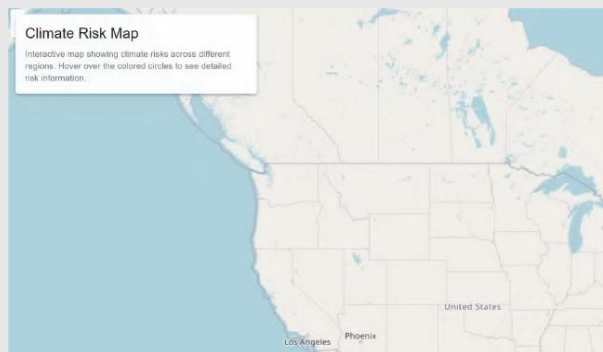
Gather precise, location-based climate data.



L

Localize

AI Translate raw data into site specific insights.



I

Integrate

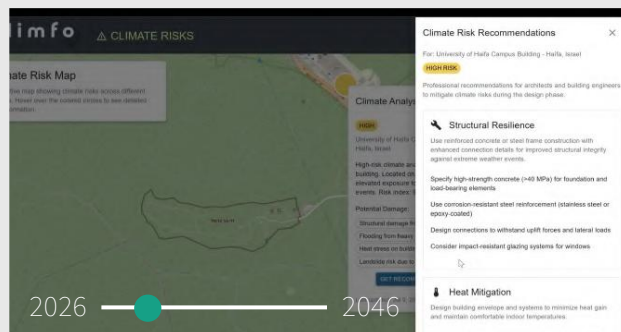
Planning tools, or remote sensing - effortless integration using ML.



M

Model

Simulates climate hazards under future scenarios.



F

Flag Vulnerabilities

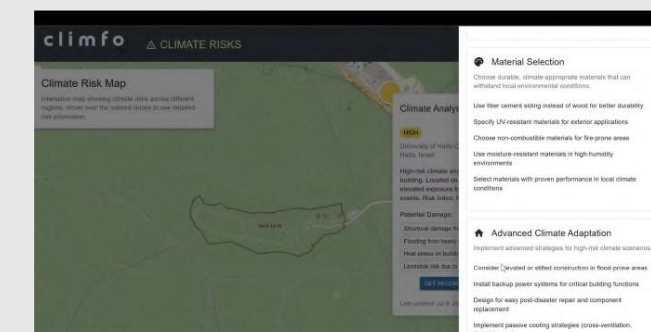
pinpoints building exposure and future resilience.



O

Optimize

Actionable design, material, and adaptation insights - visualized.



Conducted +50 interviews with potential clients to validate needs and gather feedback.

KEY ASSUMPTIONS

- Consultants paid \$50K–\$200K per project
- Limited visibility on suppliers
- Up to 6 months of work
- Scattered, data-scarce regions
- Regulatory-driven design bottlenecks

KEY LEARNINGS

- Interactive, clear visuals for all
- Predictable, scalable solutions
- Supply and planning bottlenecks
- companies asked for a pilot or a demo

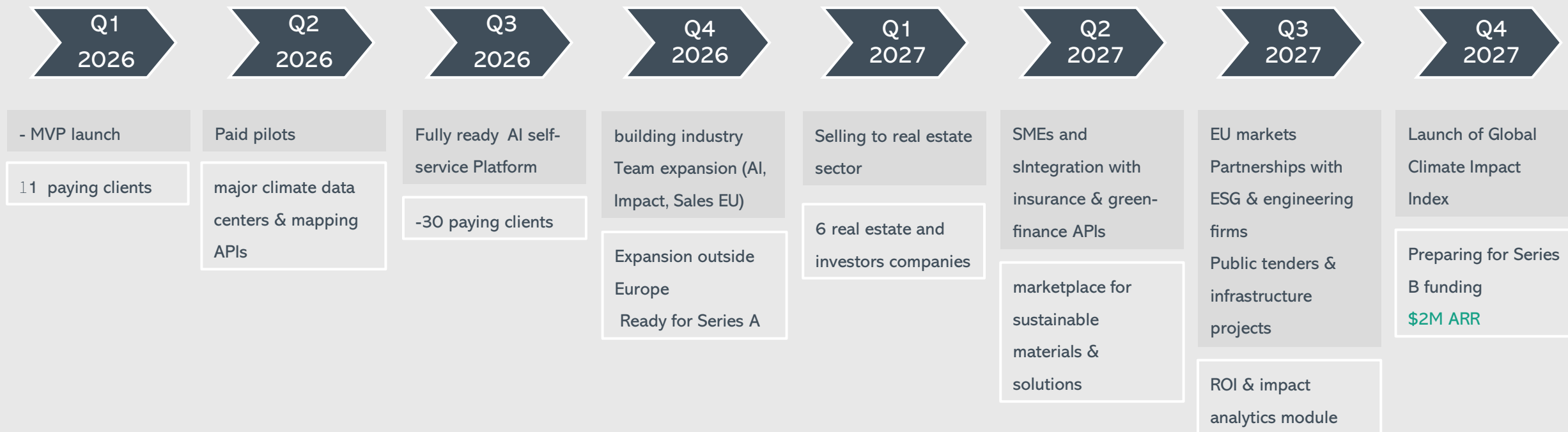


Before Climfo: “How long will it take and cost the client?”
With Climfo: “Why not just run quick analysis, right now?”

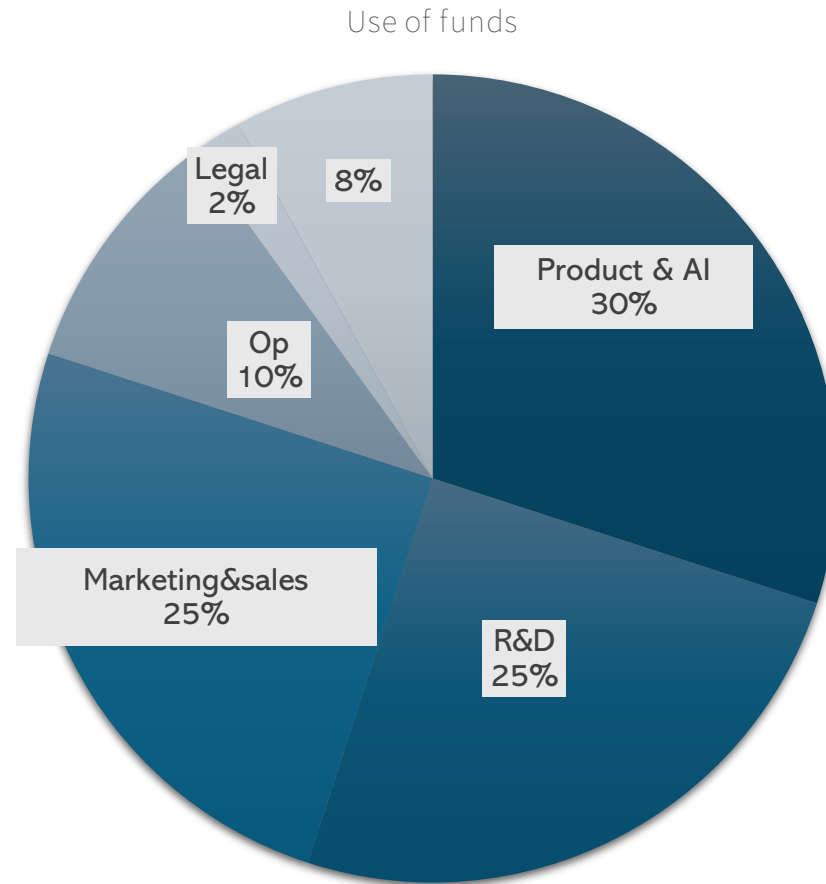
With \$2.2M seed, CLIMFO becomes the go-to climate intelligence layer for urban & building planning

24-Month Roadmap: From MVP to \$2M ARR & more than 30 Paying

Clients

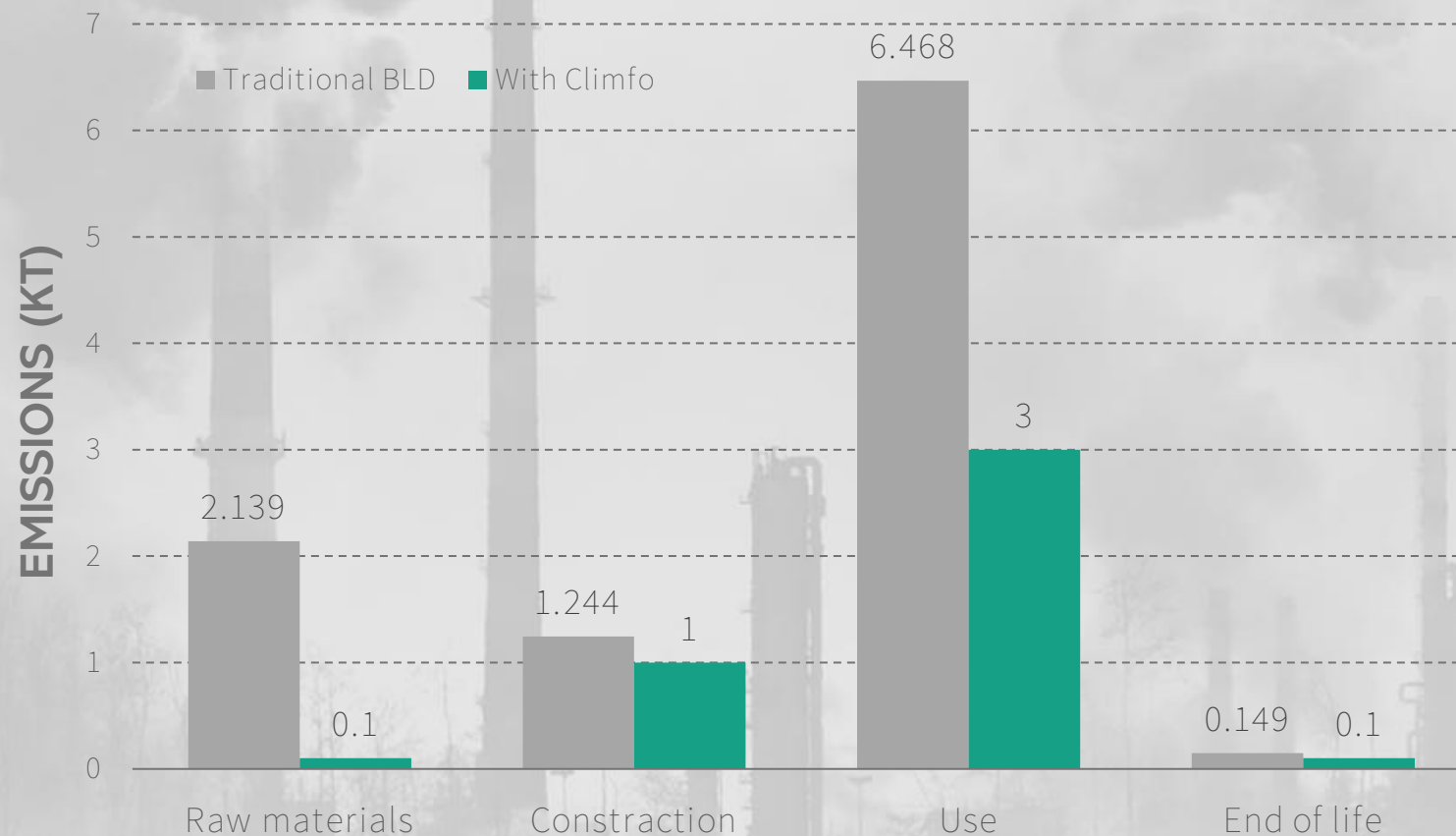


Capital needed : \$2.2M (2 yr)



At ~10% share in Israel, even at a conservative 0.2 projects per customer per year, we avoid ~1.9 Mt CO₂e over five years.

BLS (building life span) Emissions



<https://globalabc.org/sustainable-materials-hub/lifecycle-stage>

• Please note: The current emission calculations do not include the environmental impact of digital infrastructure (e.g. servers, cloud computing) or professional operations (e.g. staff travel, office energy use). While these are relatively minor compared to core construction phases, they can still account for 1-5% of total lifecycle emissions and should be considered in a more comprehensive assessment.

Social Impact

CLIMFO equips planners across diverse risk zones.



Every subscription = Access for planners in high-risk regions

We're seeking \$2.2M to turn uncertainty into resilience.
Join us in shaping cities that breathe, adapt, and endure.





Thank you



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