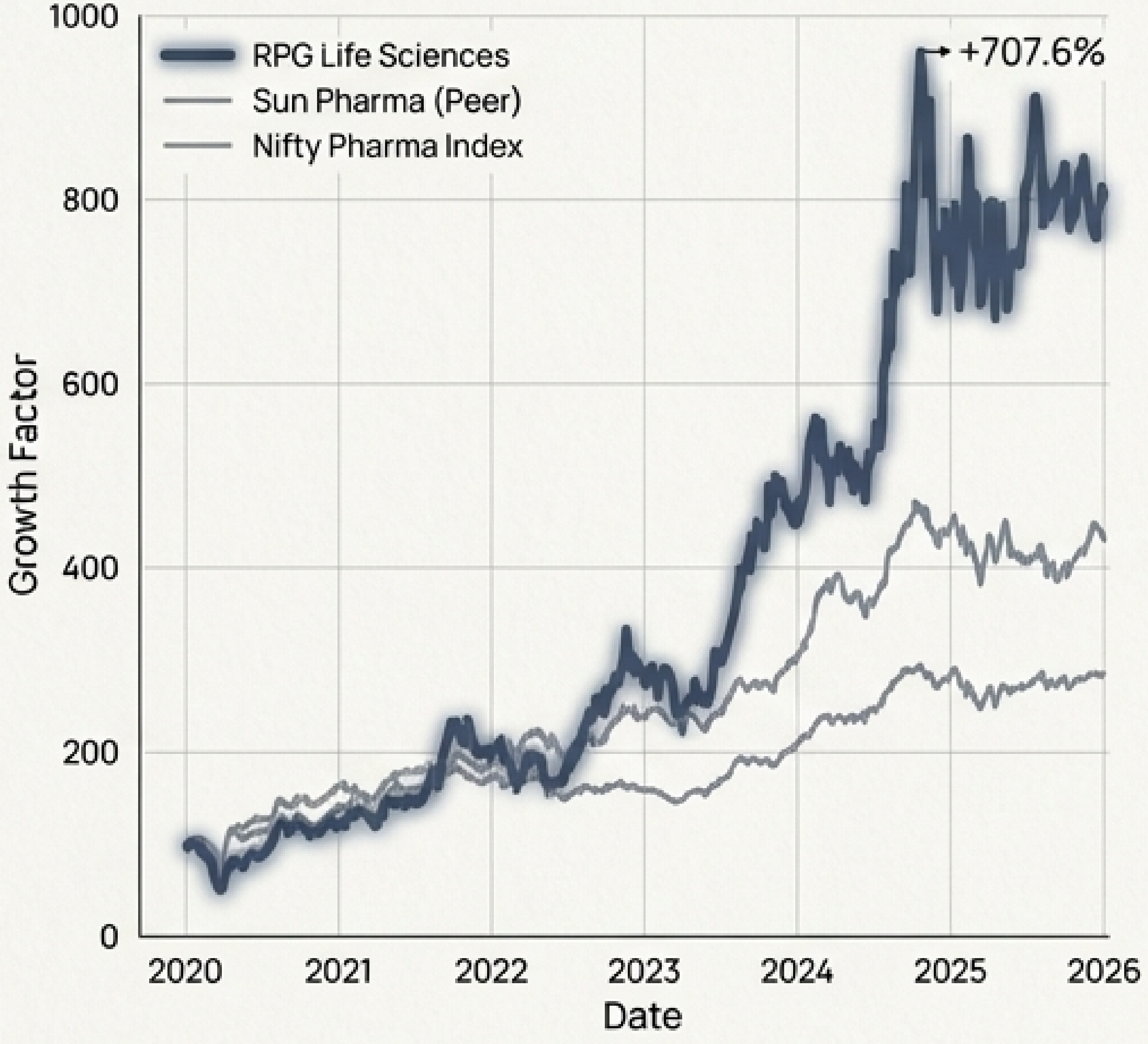
The ESG Advantage

Forging Resilience and Value at RPG Life Sciences

RPG Life Sciences

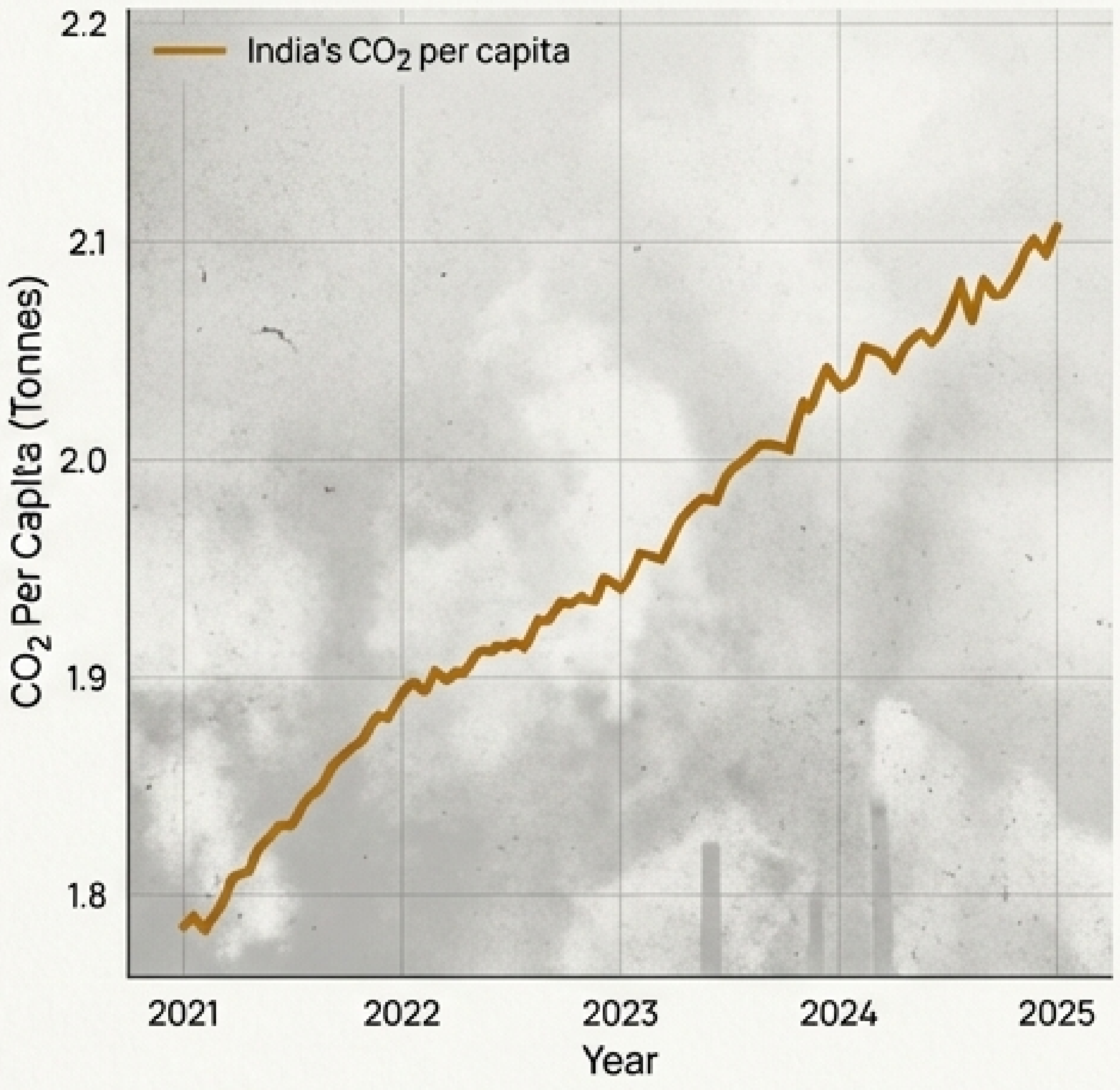
Our Growth is Phenomenal.
Our World is Volatile.

Relative Performance: Soaring Growth



How do we decouple our financial success from our environmental impact?

Macro-ESG Tension: Rising Pressure



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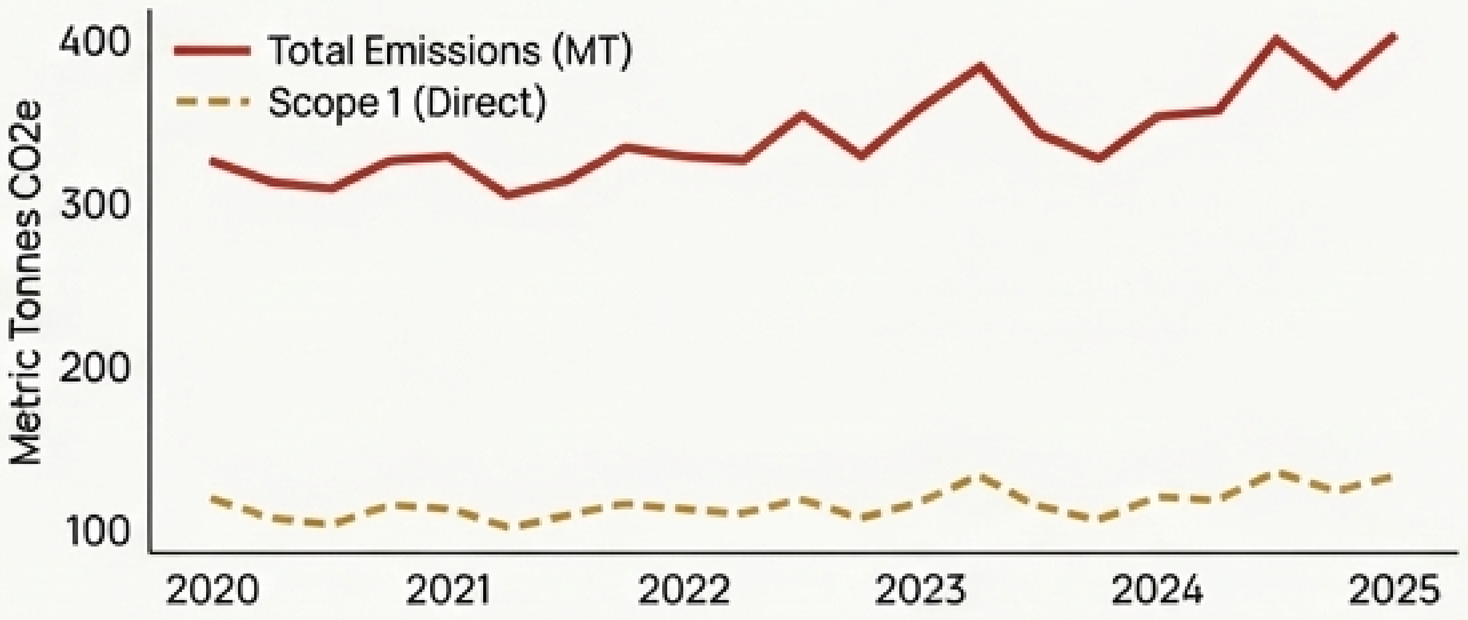
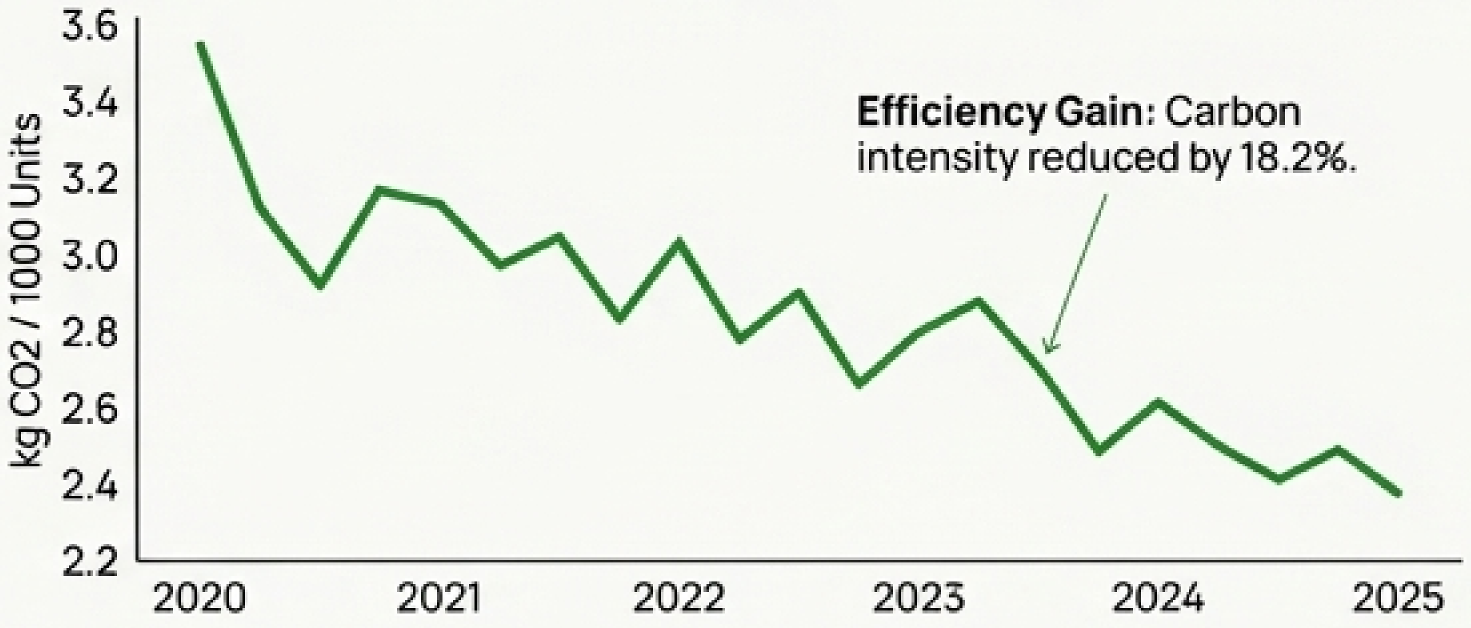
We Are Becoming More Efficient, But Absolute Emissions Are Still Rising.

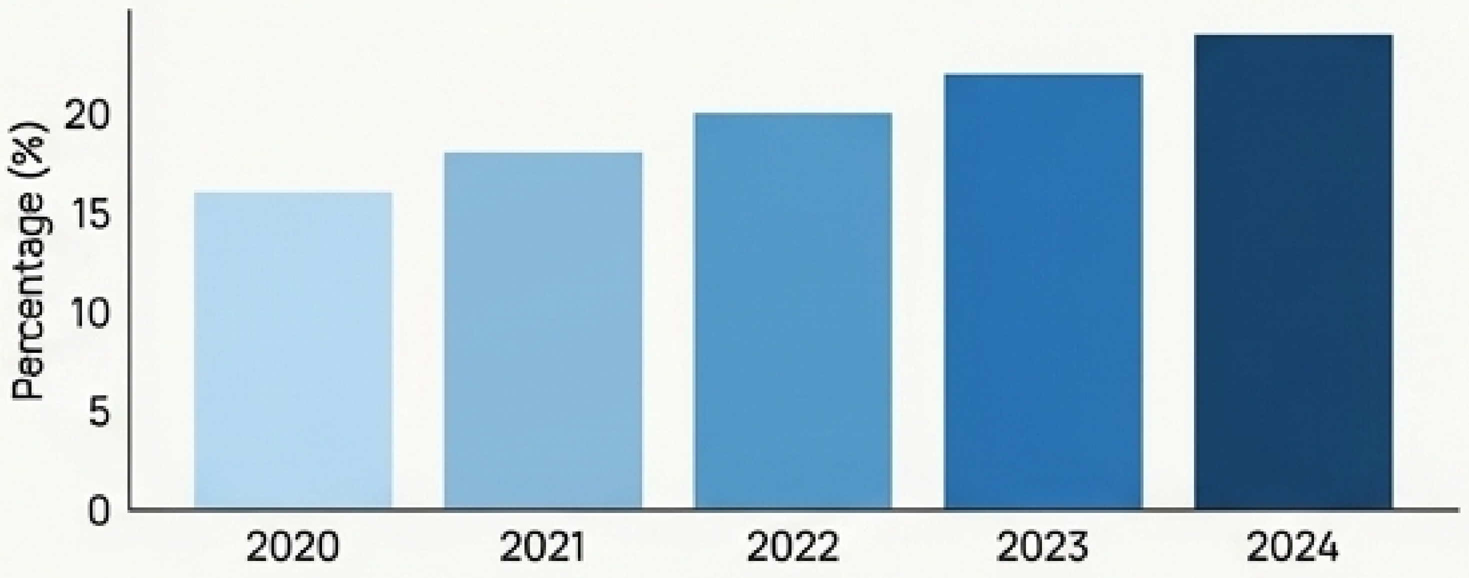
Emissions Trend: Scope 1 vs Total



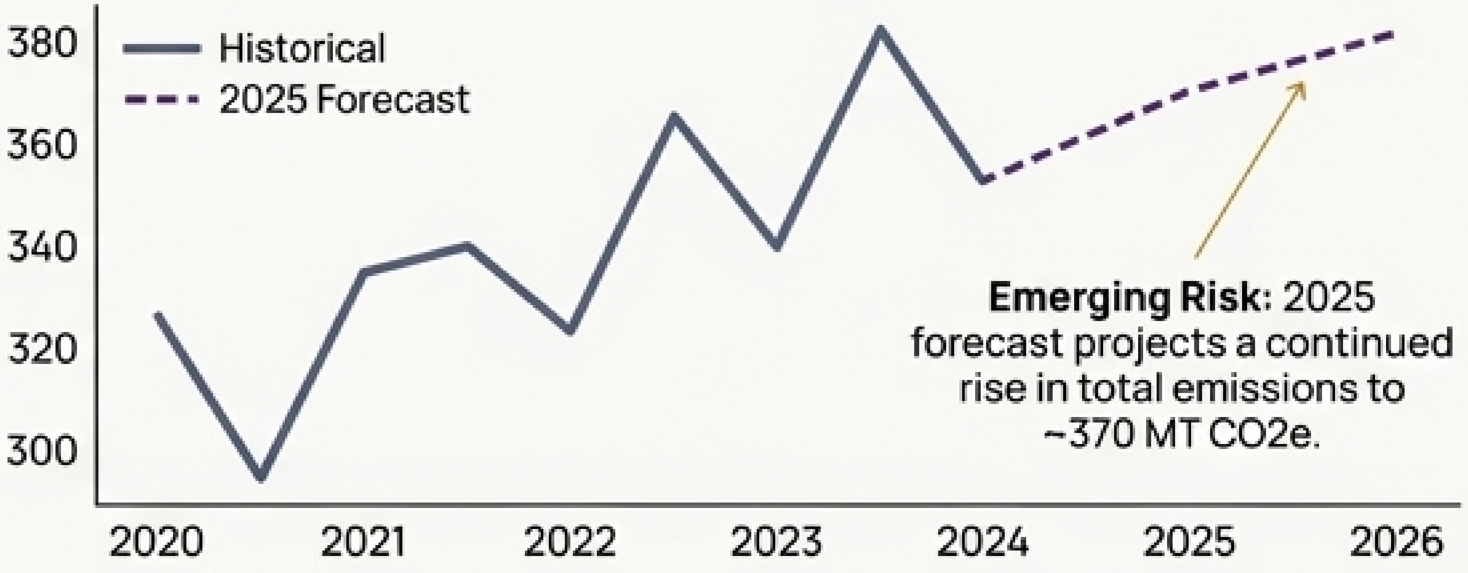
Carbon Intensity (Efficiency)



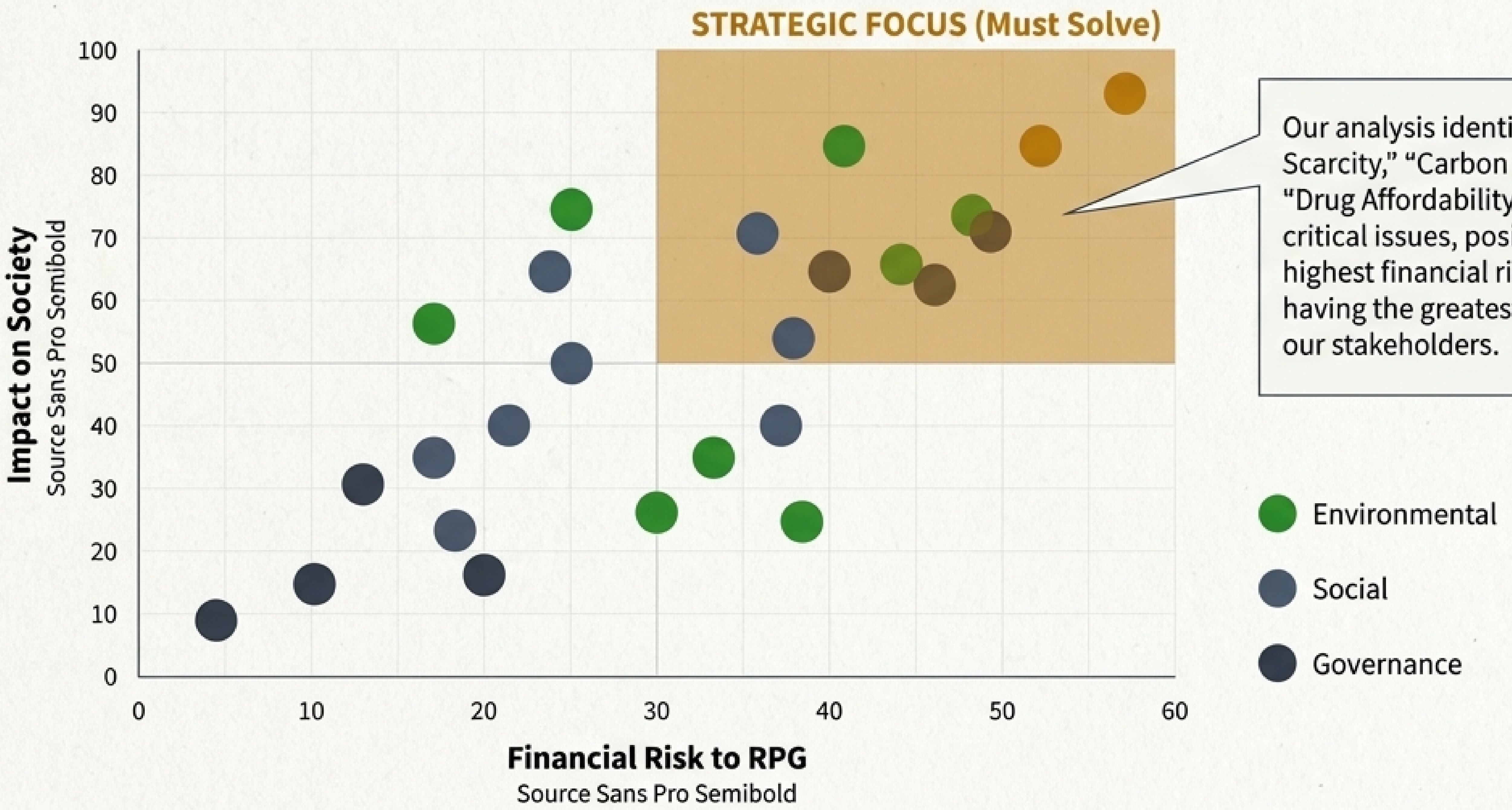
Avg % Women in Management (Social Pillar)



2025 Emissions Forecast (Scenario Planning)



Focusing on What Matters: Identifying Our Strategic Priorities



Our analysis identifies “Water Scarcity,” “Carbon Tax,” and “Drug Affordability” as the most critical issues, posing the highest financial risk to RPG and having the greatest impact on our stakeholders.

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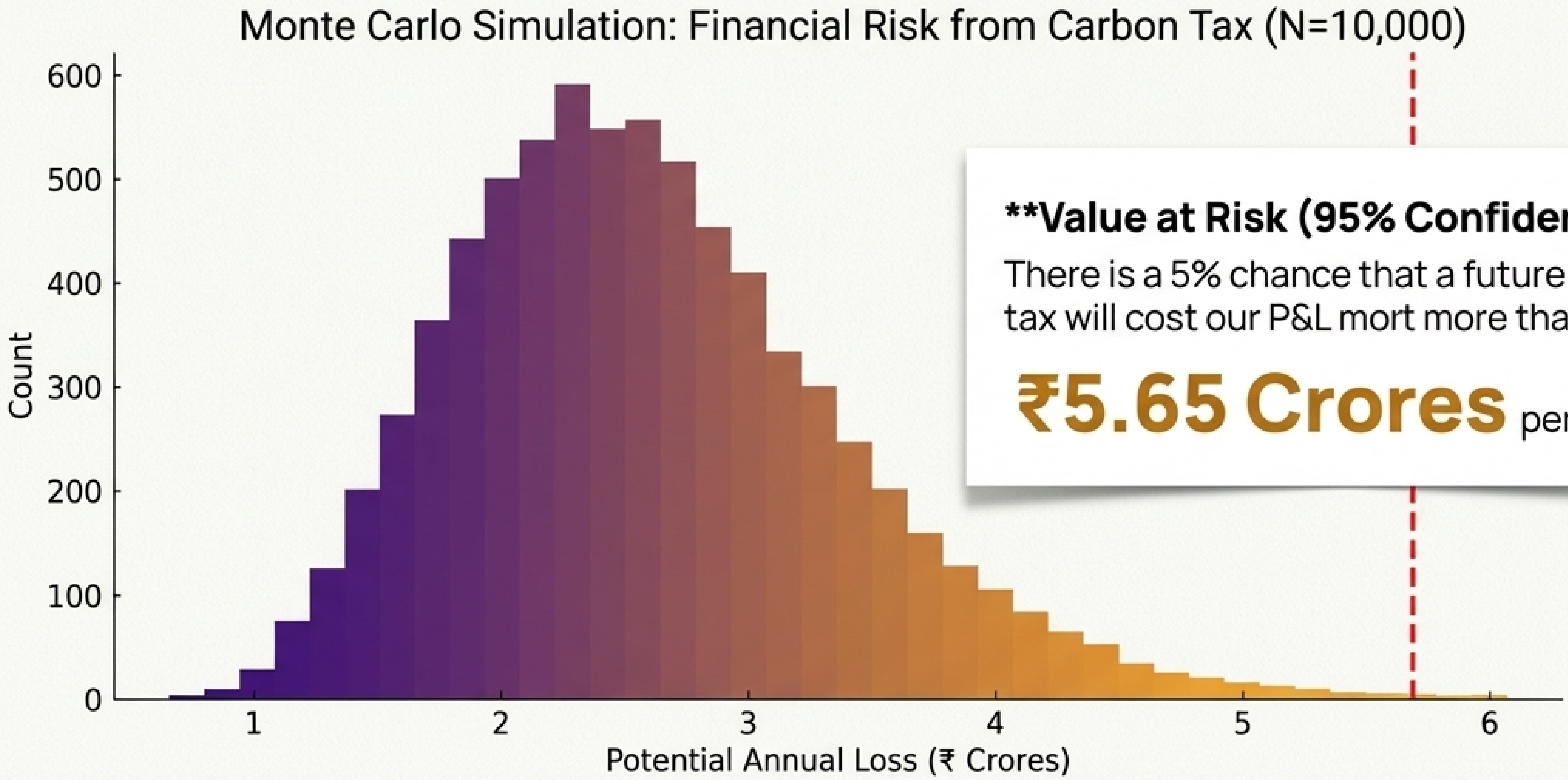
Quantifying the Unseen: Carbon Tax Poses a ₹5.65 Crore Annual Risk



**Value at Risk (95% Confidence):
There is a 5% chance that a future carbon tax will cost our P&L mort more than
₹5.65 Crores per year.**

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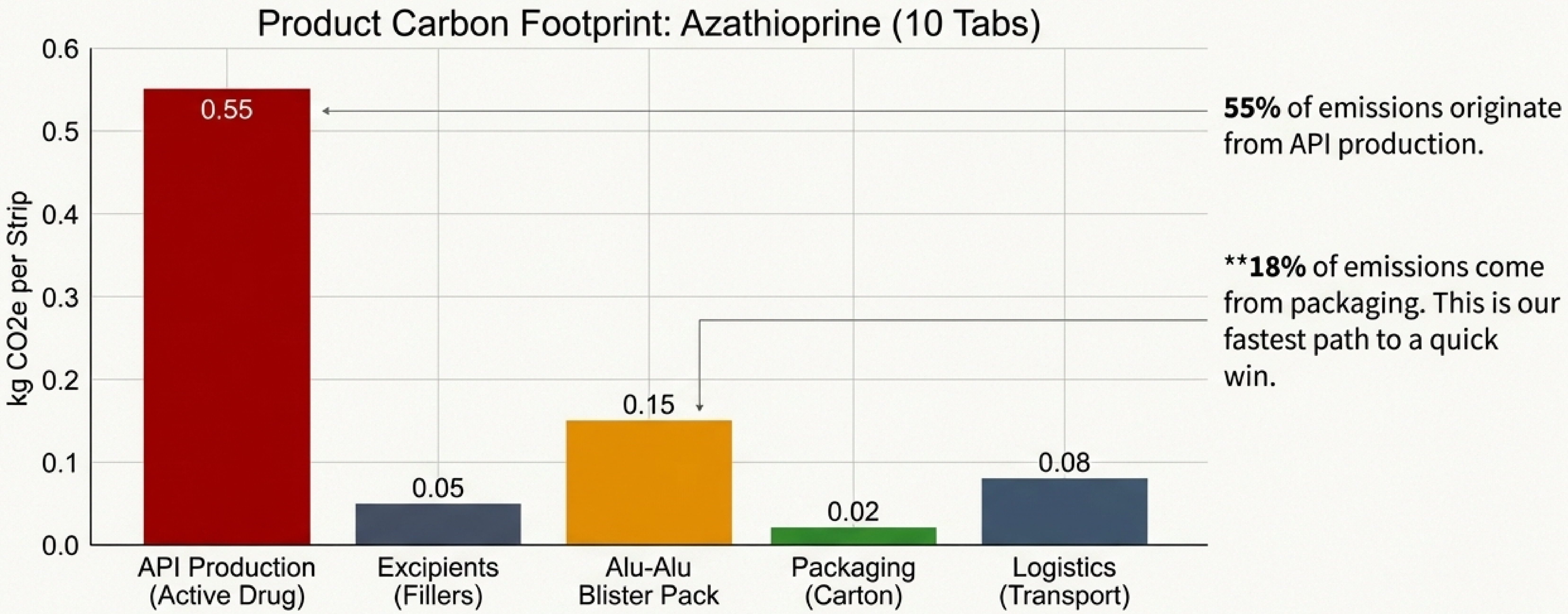
Deconstructing Our Product Footprint: The Carbon Story of Azathioprine



Action Plan: Initiate R&D project to replace 'Alu-Alu' foil with lower-carbon alternatives like Aclar/PVC-free films.

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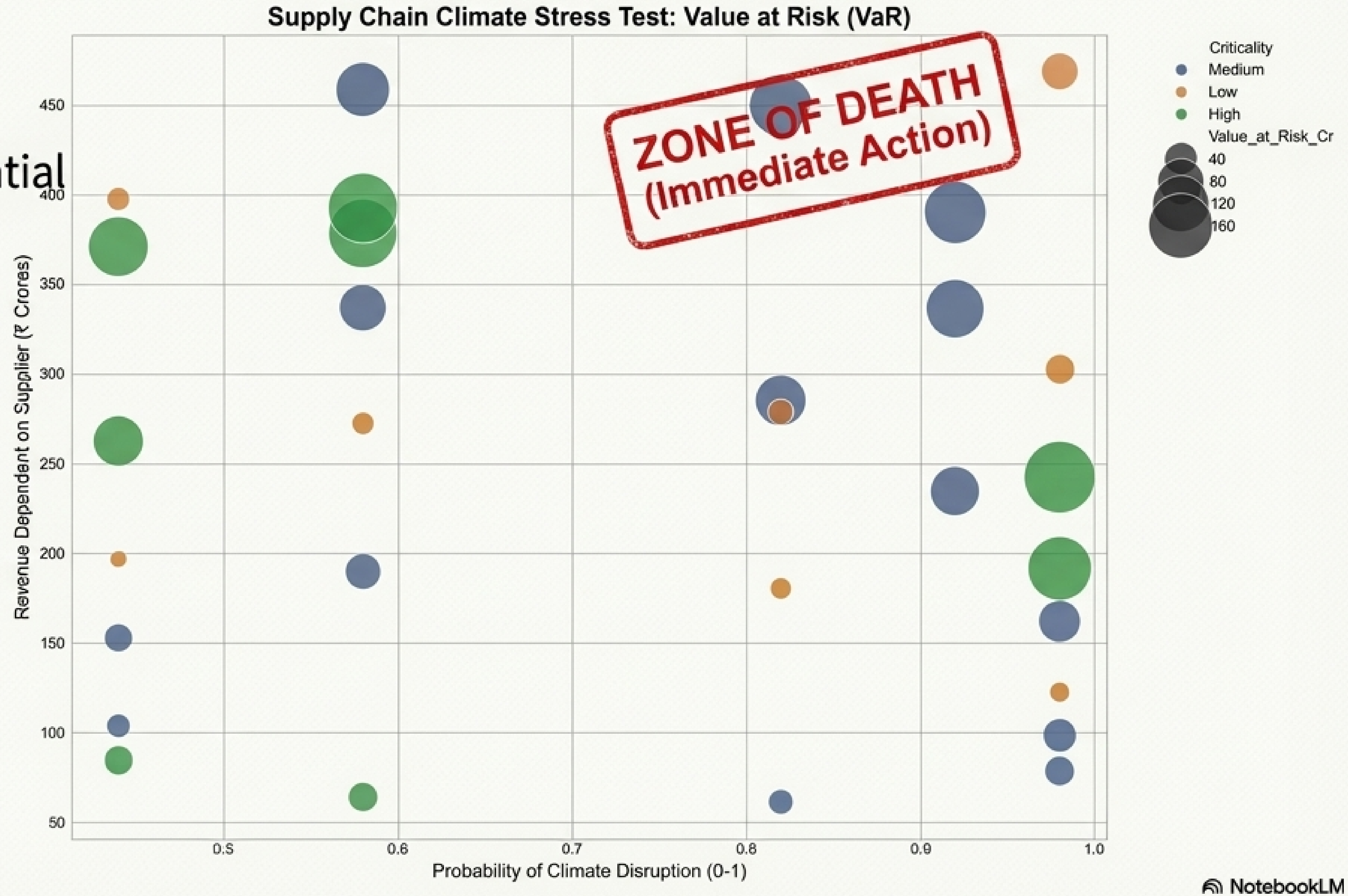
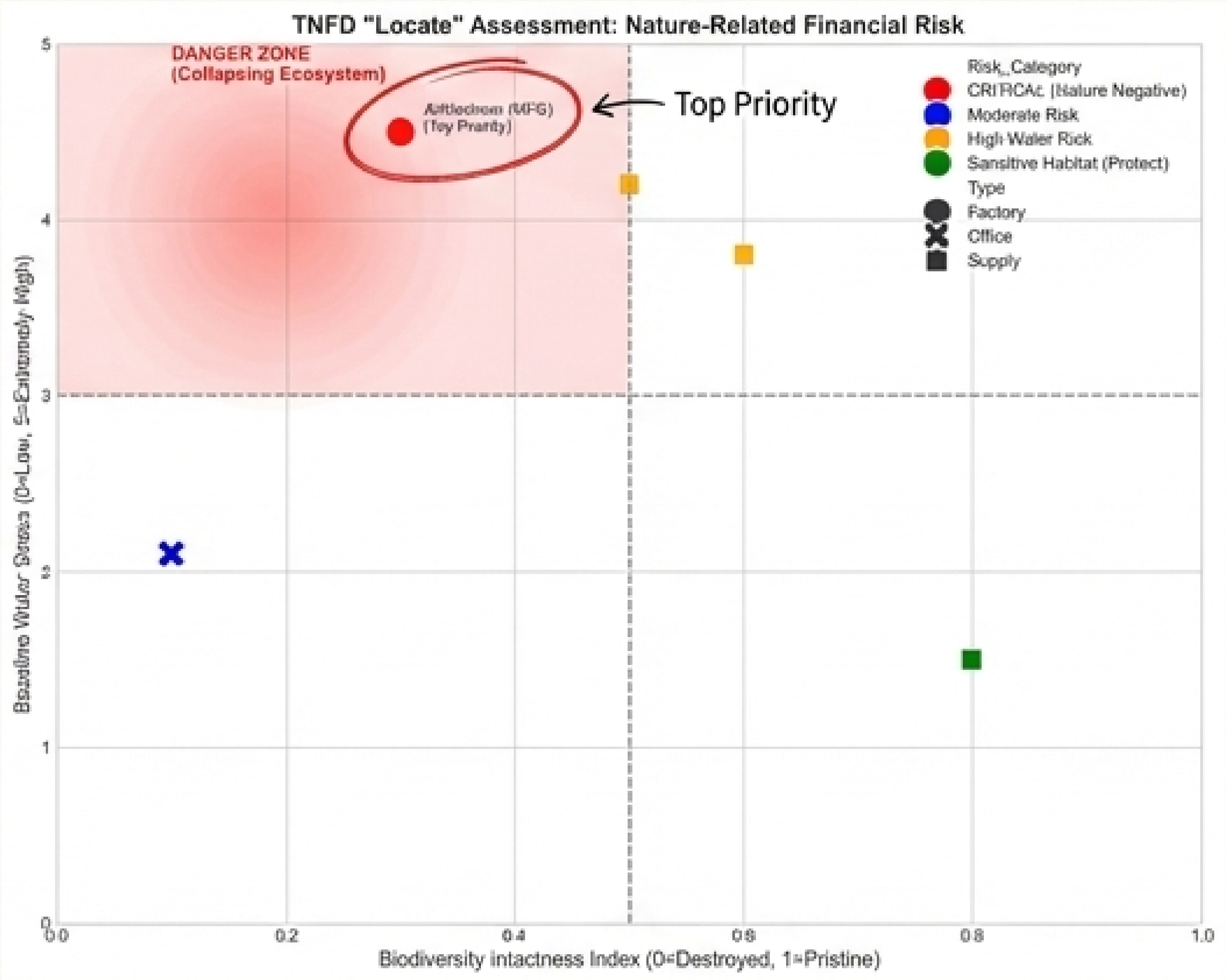
Beyond Our Walls: The ₹2,168 Crore Hidden Climate Risk in Our Supply Chain.

Total Value at Risk: ₹2,168.89 Cr. This is the potential annual revenue loss from climate-driven supplier disruptions.

Highest Risk Point: Supplier SUP-015 in Ankleshwar, with ₹190.03 Cr in revenue at risk. Our own manufacturing hub is a critical failure point.



Beyond Climate: Our Critical Dependency on a Stressed Ecosystem.

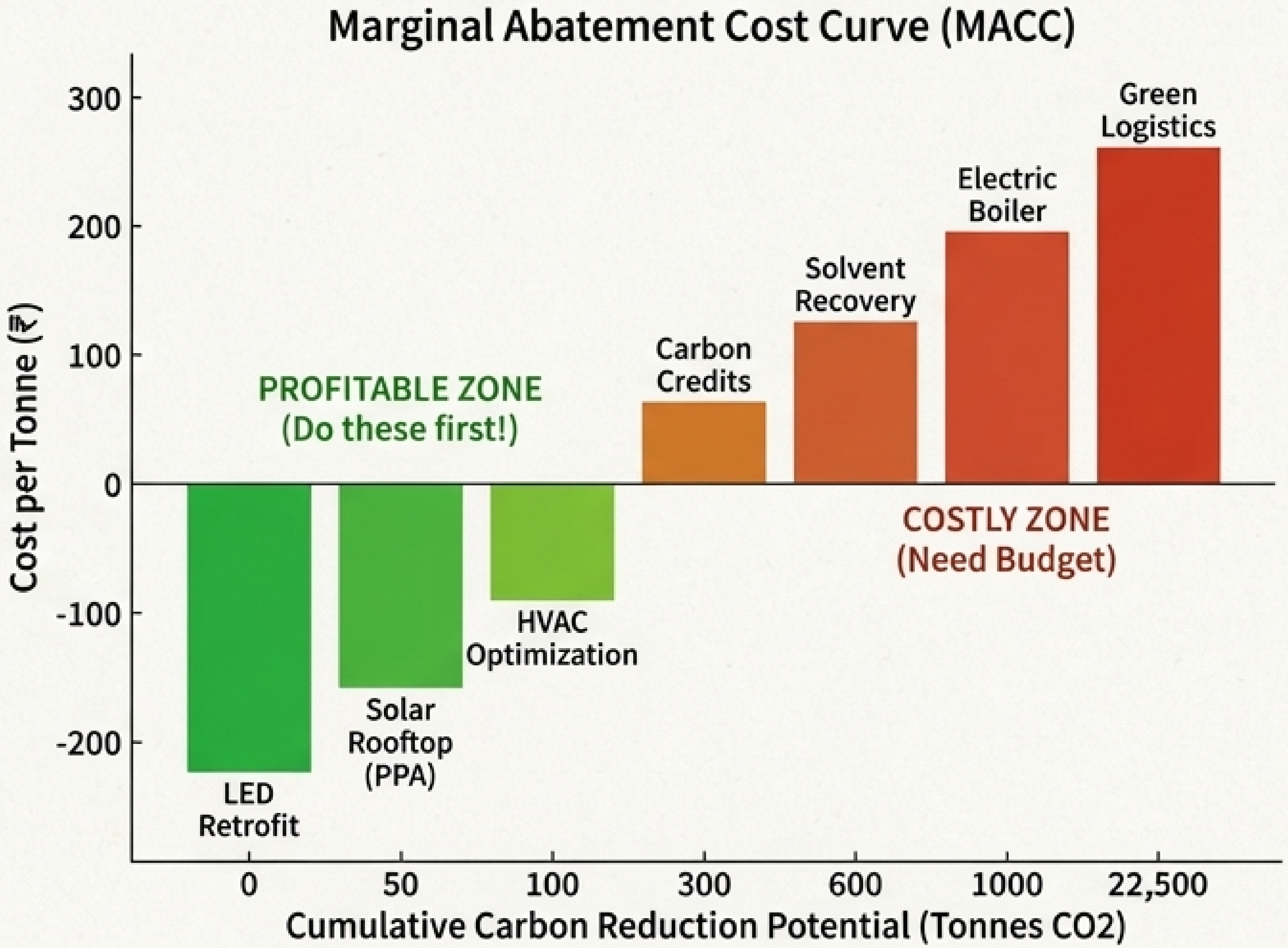


**Our primary manufacturing facility in Ankleshwar operates in a "Nature Negative" zone, characterized by extreme water stress and a fragile ecosystem. This poses a severe threat to operational continuity.

Action: Immediately launch a comprehensive 'Water Stewardship' program for the Ankleshwar site.

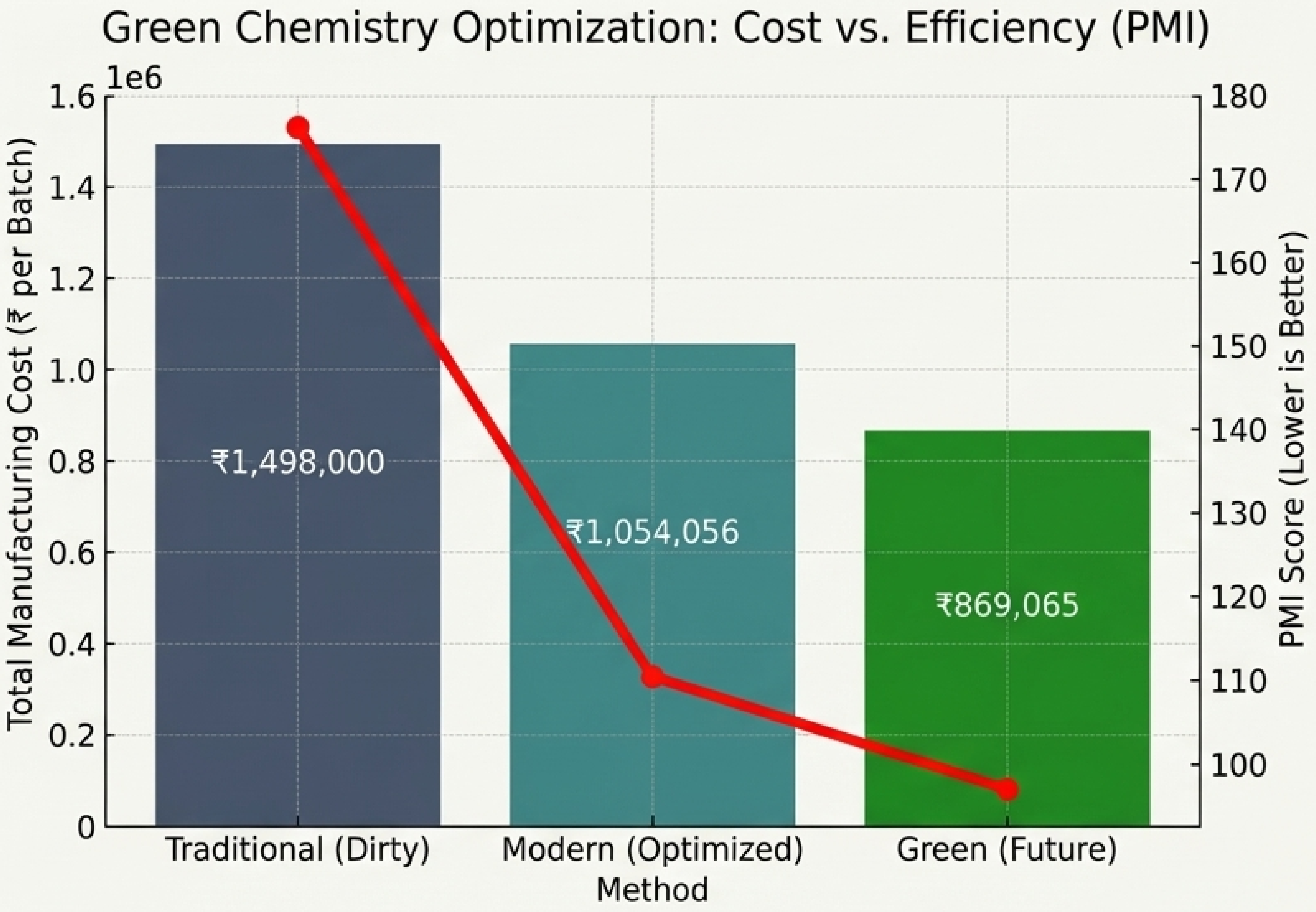
The Roadmap to Decarbonization: Our Financially Optimized Action Plan

This is our step-by-step plan to reduce carbon. carbon. We will first execute the green projects that generate a positive return—like **LED Retrofits and **Solar PPAs—before allocating capital to higher-cost initiatives.****



With an initial budget of **₹2 Crores, we can execute 6 key projects, **abating 22,500 tonnes of CO2** at a **net cost of only ₹40 Lakhs after savings.****

When Greener is Cheaper: The Financial Case for Green Chemistry



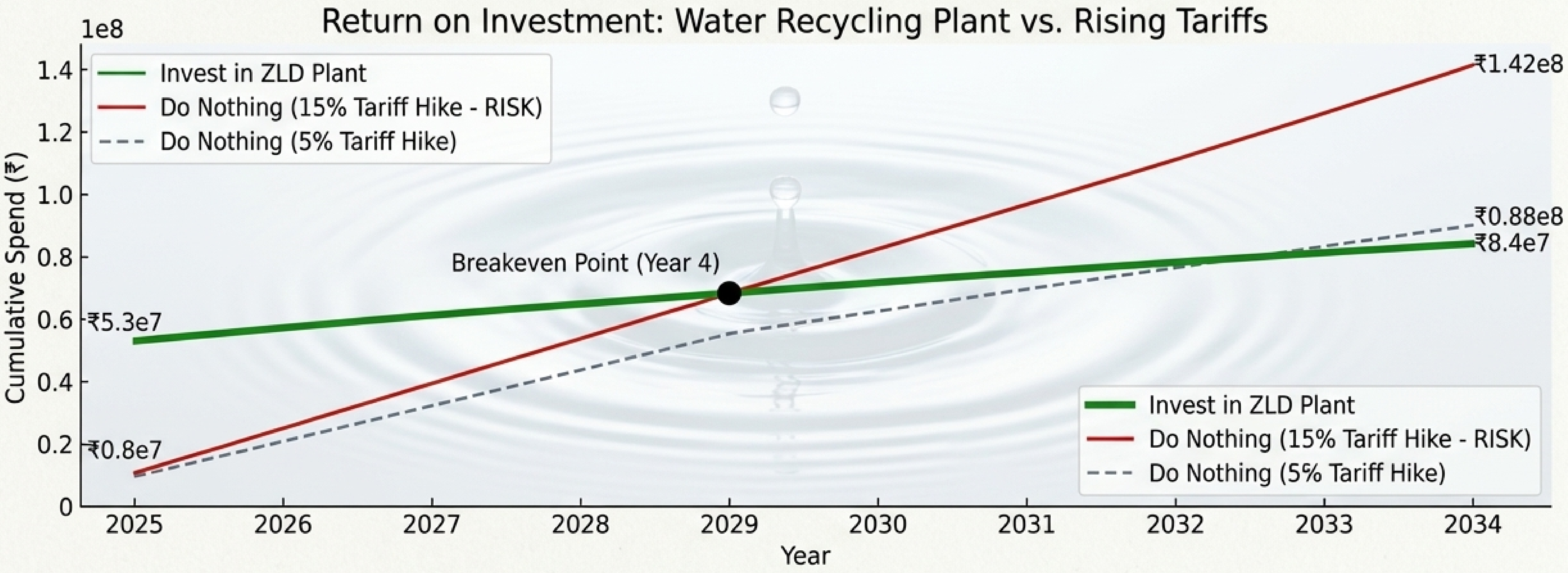
The Win-Win

Financial Impact: Switching to the 'Green Method' **saves ₹628,934 per batch** due to lower toxic waste disposal costs.

ESG Impact: Process Mass Intensity (PMI), a key efficiency metric, **improves from 176.5 to 87.0**.

Approve CapEx for the new reactor. It has a 6-month payback period.

Securing Our Water Future: A 4-Year Payback on Operational Resilience



In a high-risk water scarcity scenario, a **₹5 Crore investment in a **Zero Liquid Discharge (ZLD)** plant becomes **financially superior** to the status quo **within 4 years.** This investment is an **insurance policy against future price shocks and production shutdowns.”**

Building a Resilient Supply Chain: From Risk to Action.

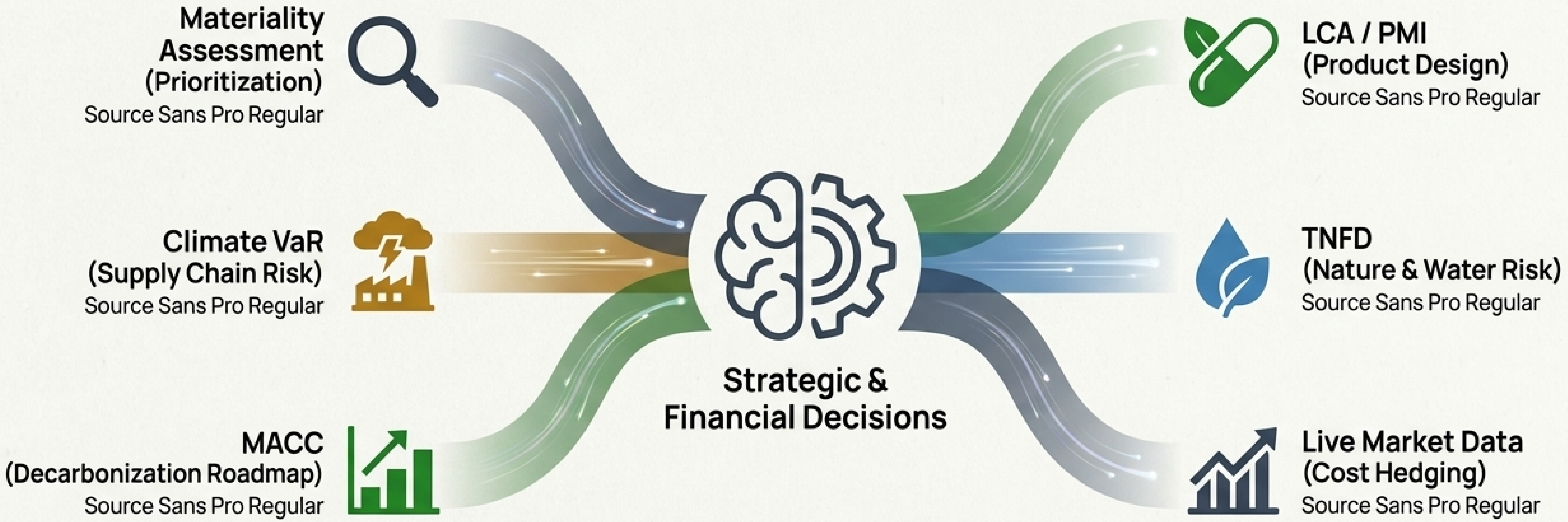
Live Supply Chain Risk Map

Social Risk Matrix

Action Plan

- **De-risk Sovereign Hotspots:** Based on negative World Bank governance scores for China & India, increase 'Safety Stock' inventory for all materials from these regions.
- **Mitigate Climate Concentration:** Given Ankleshwar's climate and nature risk, invest in flood barriers and backup water reservoirs immediately.
- **Prioritize Human Rights Audits:** Send 3rd party auditors to 'Supplier A' (Mica) and 'Supplier C' (Rubber) due to extreme risk of forced labor violations.

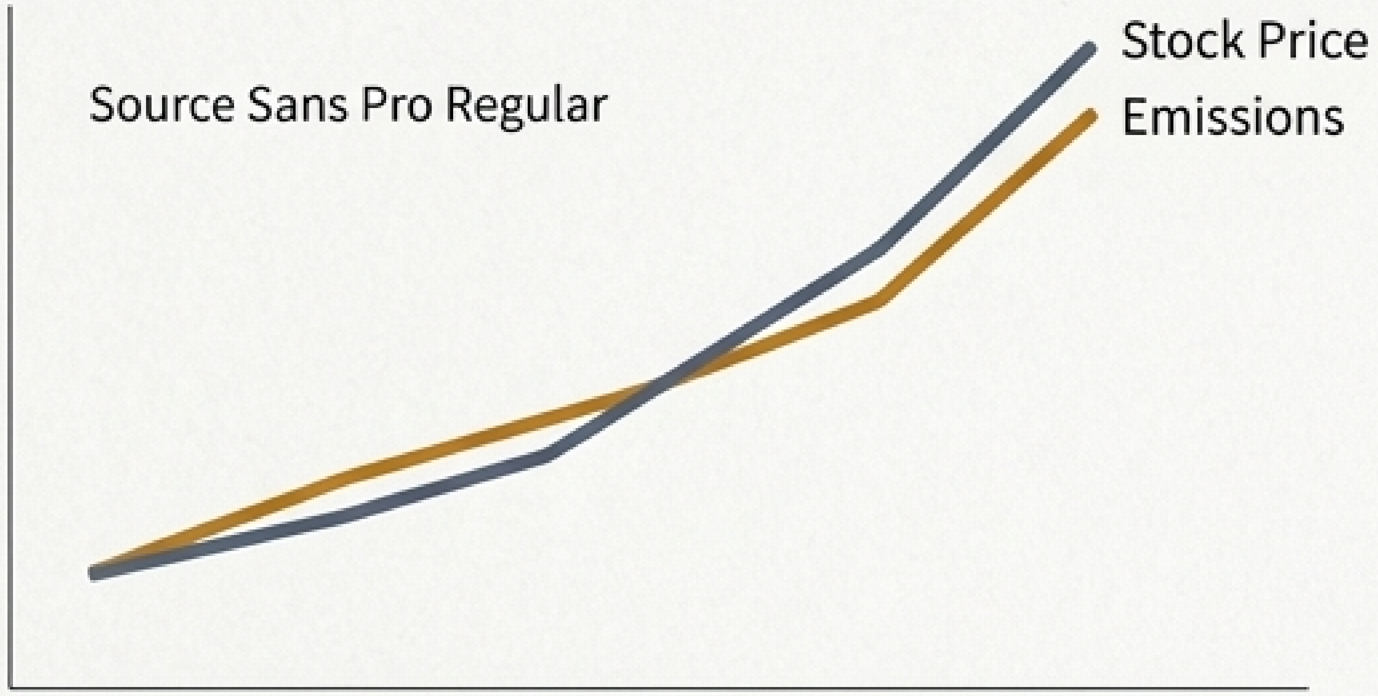
From Analysis to Advantage: The ESG Strategic Decision Engine.



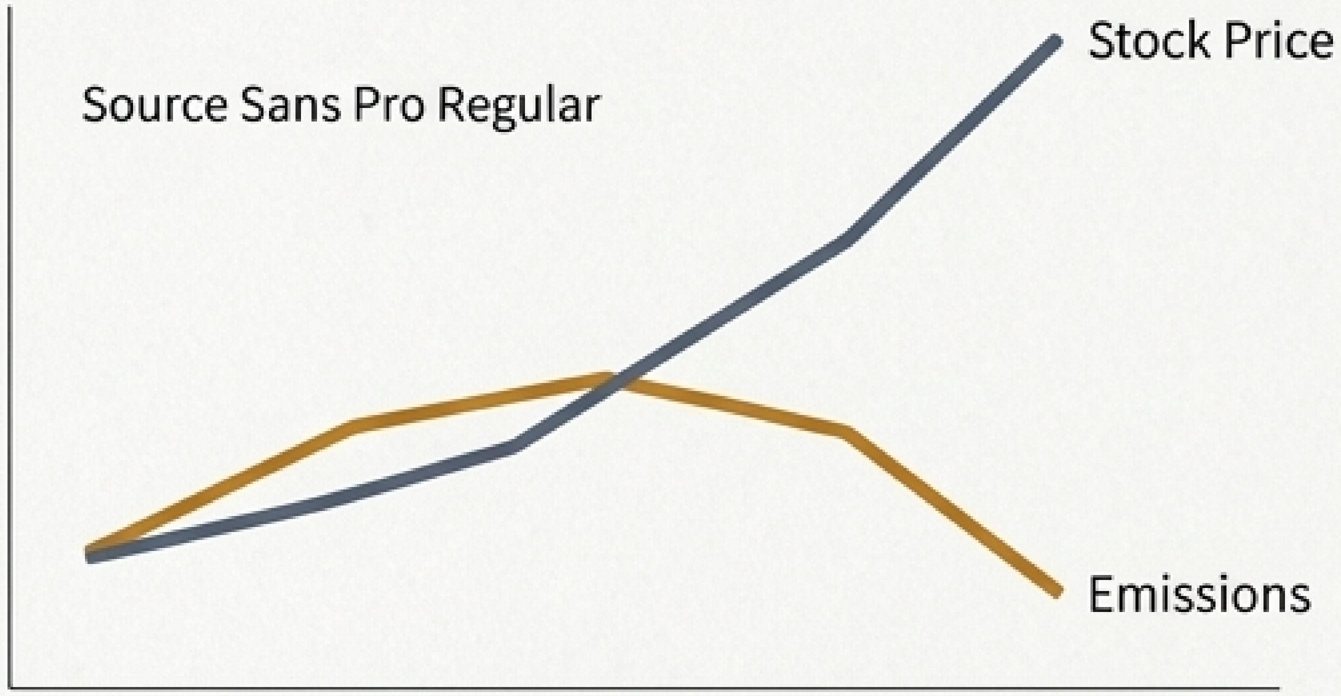
We have built an integrated system to continuously translate complex ESG data into financial risk, operational opportunity, and durable competitive advantage.

The New Equation for Growth: Performance x Resilience

Coupled Growth



Decoupled Growth



By embedding this intelligence into our strategy, we transform ESG from a risk to be managed into the core driver of a more resilient, efficient, and valuable future for RPG Life Sciences.