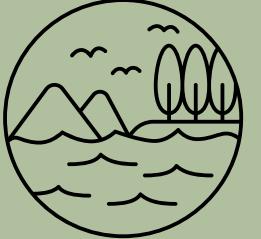




Eco-Friendly concrete for a Better Future

Building a Greener Future, One Block at a
Time!

Team Greenovaters



Problem Statement analysis

Concrete is the second most consumed commodity in the world after water, poses significant environmental challenges due to its high carbon emissions and resource-intensive production process.

The heavy reliance on natural resources for concrete production has led to habitat destruction and unsustainable practices in the construction sector.

The extensive use of traditional concrete in construction leads to resource depletion and increased carbon emissions, threatening ecological balance

High energy consumption and waste generation during concrete production create significant environmental and economic challenges for sustainable construction

Our Sustainable Solution



Eco-Friendly Composition

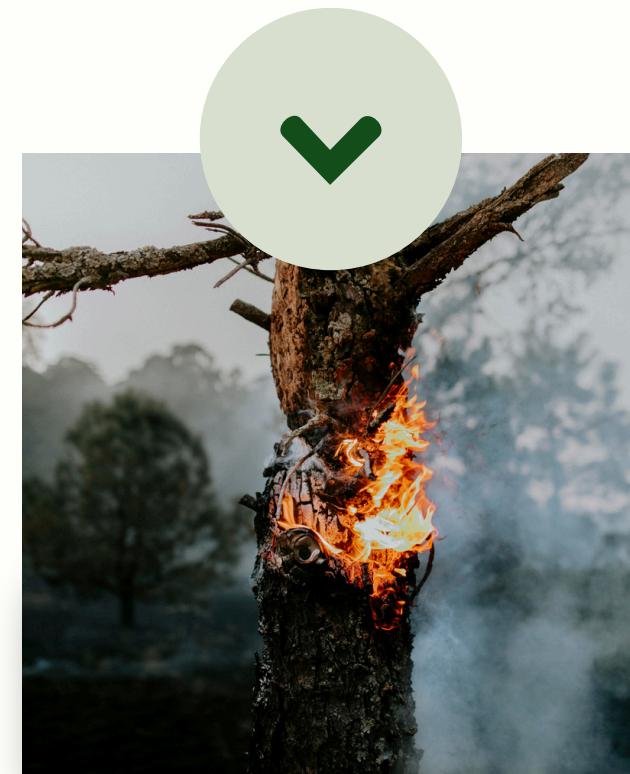
- Utilizes waste-derived materials like fly ash and slag, reducing reliance on natural resources.
- Requires less cement, lowering overall carbon emissions during production.

Energy Efficiency

- Provides excellent thermal insulation, reducing energy consumption in buildings by up to 30%.
- Lightweight design decreases transportation emissions and construction energy needs.

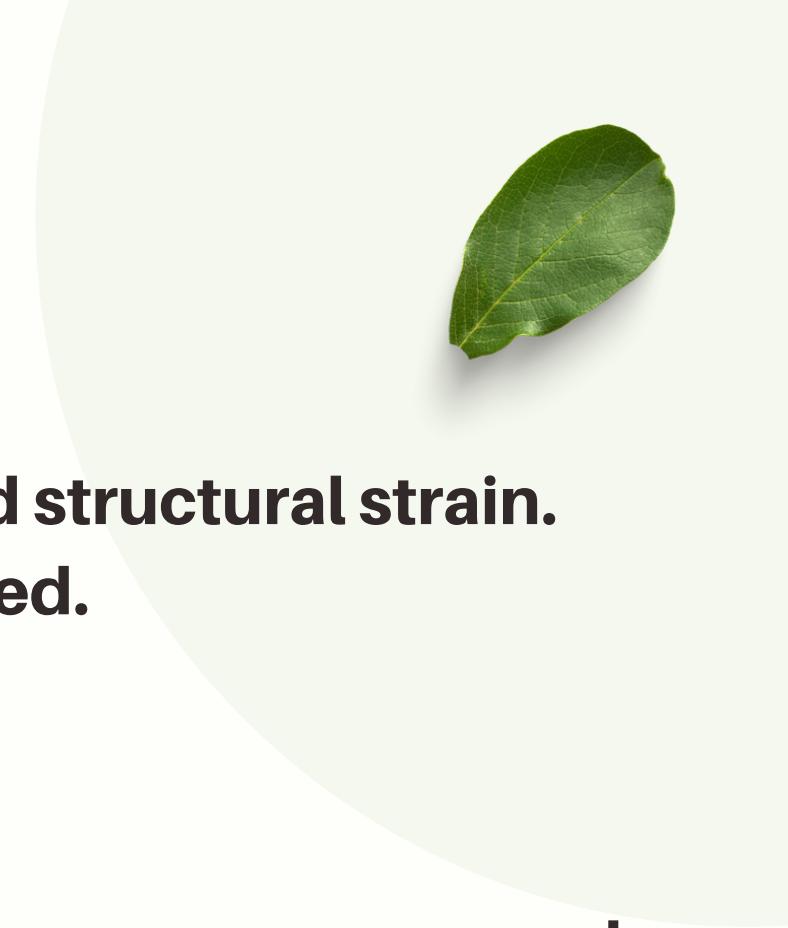
Long-Term Sustainability

- Enhances building lifespan through durability and resistance to environmental stress.
- Supports green construction goals, meeting global sustainability standards.





Innovation &Uniqueness



Lightweight Advantage

- 50% lighter than traditional concrete, reducing transportation costs and structural strain.
- Ideal for high-rise buildings, improving construction efficiency and speed.

Unique Cost-Effectiveness

- Matches traditional concrete costs while offering long-term savings on energy and maintenance.
- Reduces structural load, leading to savings in foundation and steel requirements.
- Thermal Efficiency: Keeps interiors naturally cooler, minimizing HVAC energy consumption.
- Acoustic Insulation: Blocks sound better than traditional bricks, ideal for urban living spaces.
- Fire and Pest Resistance: Outperforms conventional materials in safety and longevity.

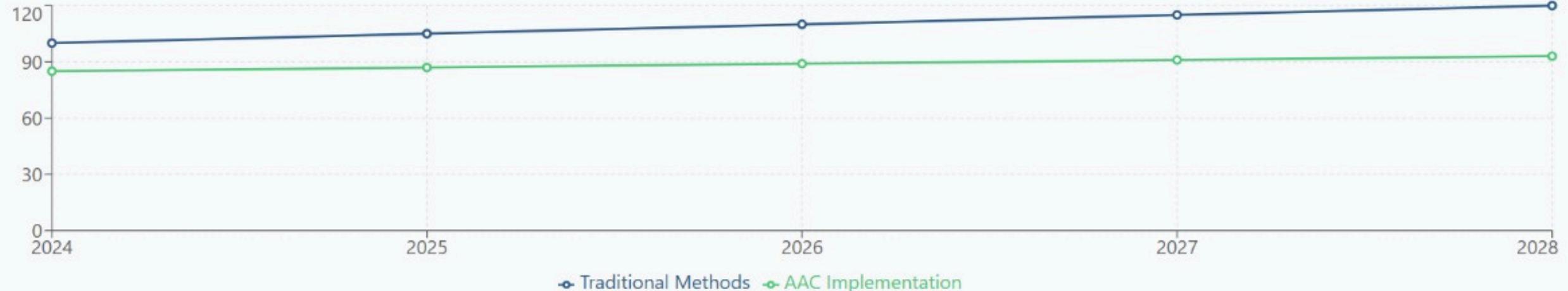


Revolutionizing Sustainable Construction

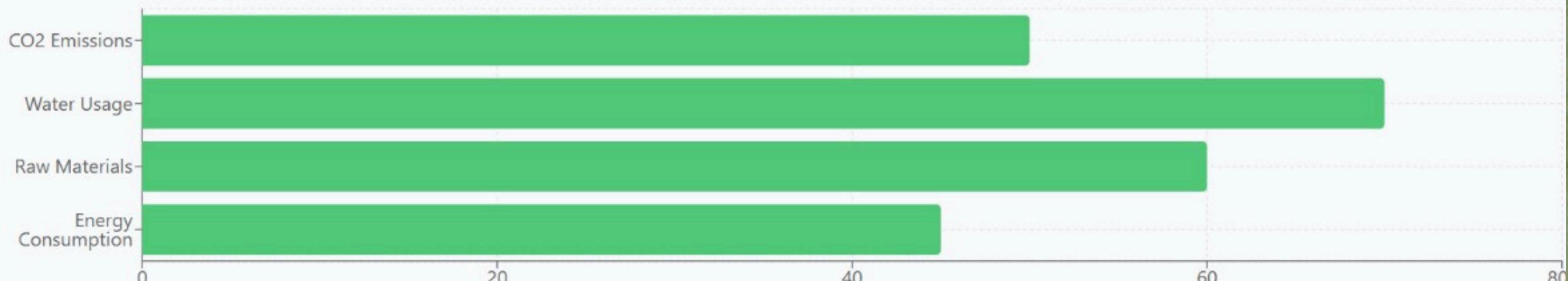
AAC Blocks: The Future of Eco-Friendly Building Materials

Market Size
\$12.5B
CAGR 2024-2029
14.2%

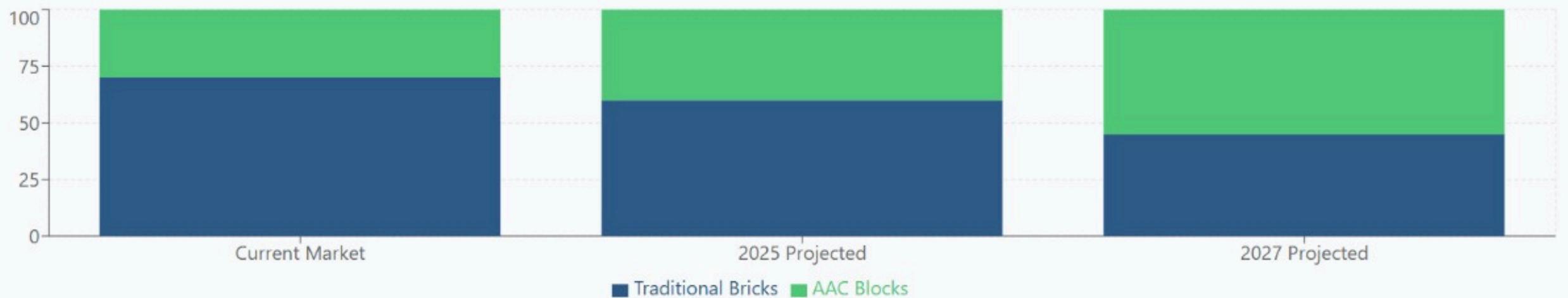
5-Year Cost Projection



Environmental Impact Reduction (%)



Market Adoption Trajectory



ROI

142%

3-Year Projection

Cost Reduction

15-20%

Per Project

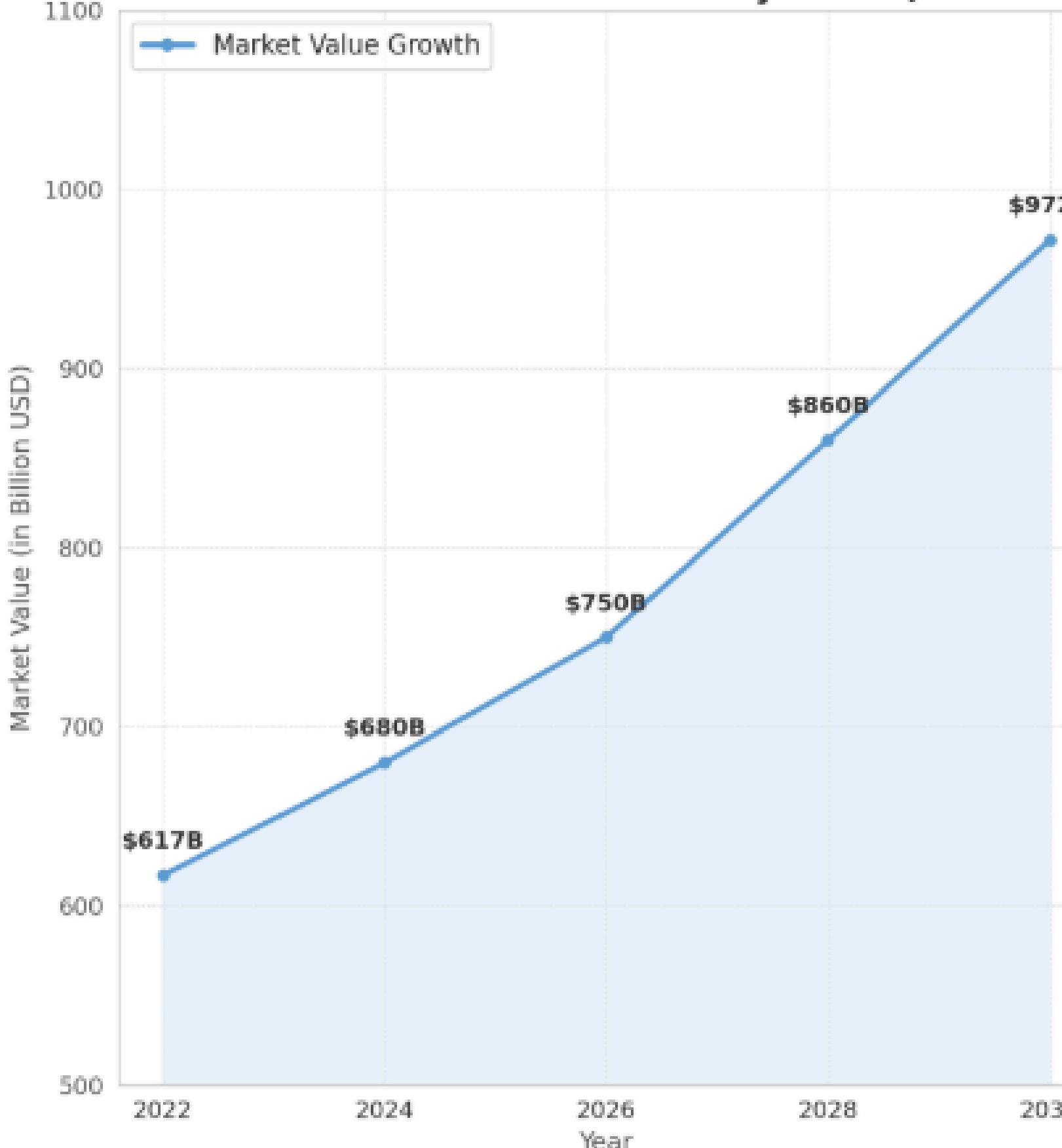
Carbon Credits

50MT

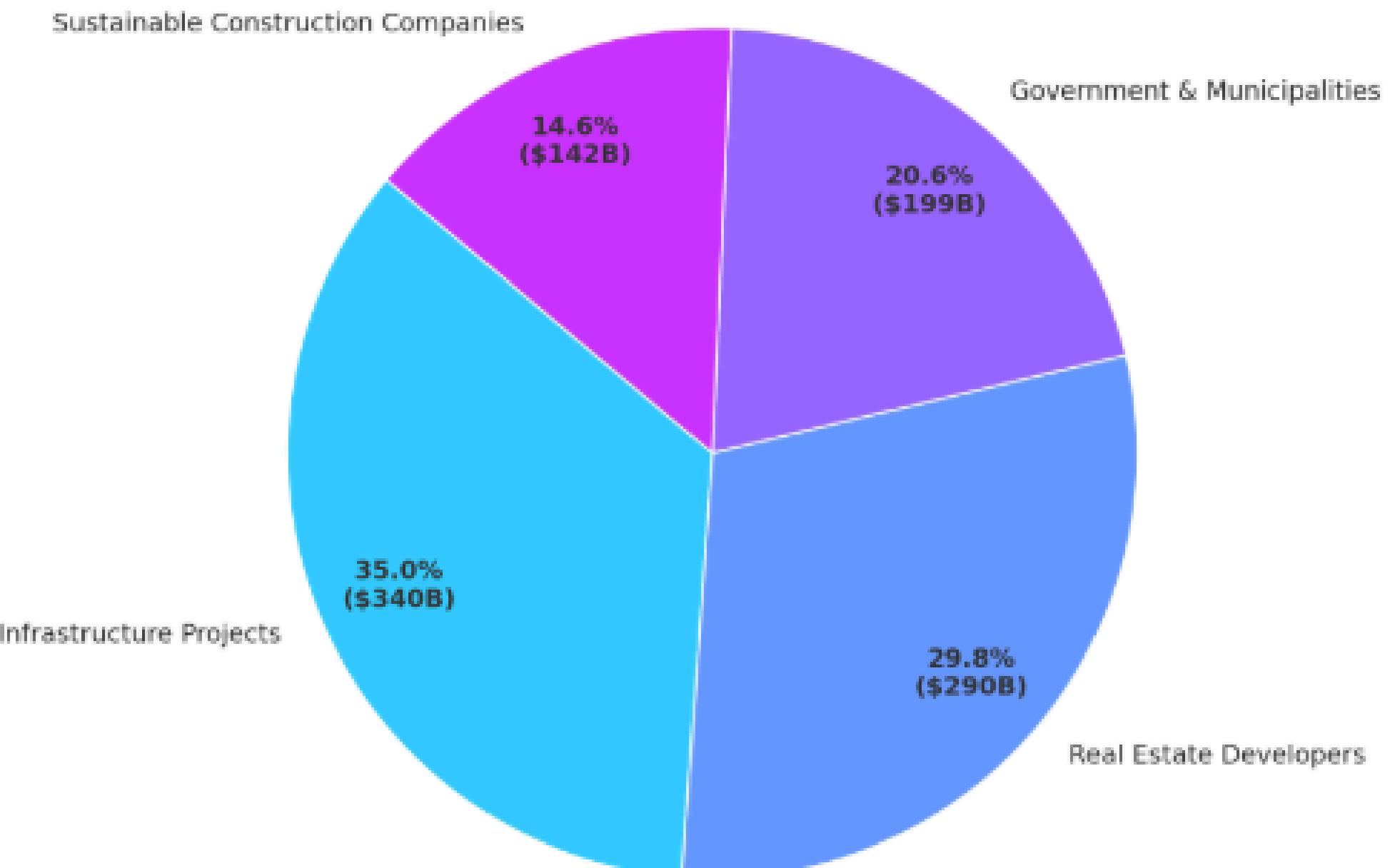
Per Building

Market Potential

Global Concrete Market Growth Projection (2022-2030)



Target Segments Market Share (in Billion USD)



Financial Analysis

R&D & Testing	2,00,000
Raw Materials	3,50,000
Production Facility Setup	5,00,000
Operational Costs (Monthly)	75,000
Product Pricing (Per Cubic Meter)	4,500
Expected Monthly Revenue	2,25,000
Break-Even Point	~5 months

