

How to decarbonize the Indian Industry?

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Setting the Context --- Whose problem are we trying to solve?

How many of you are representing your organization?

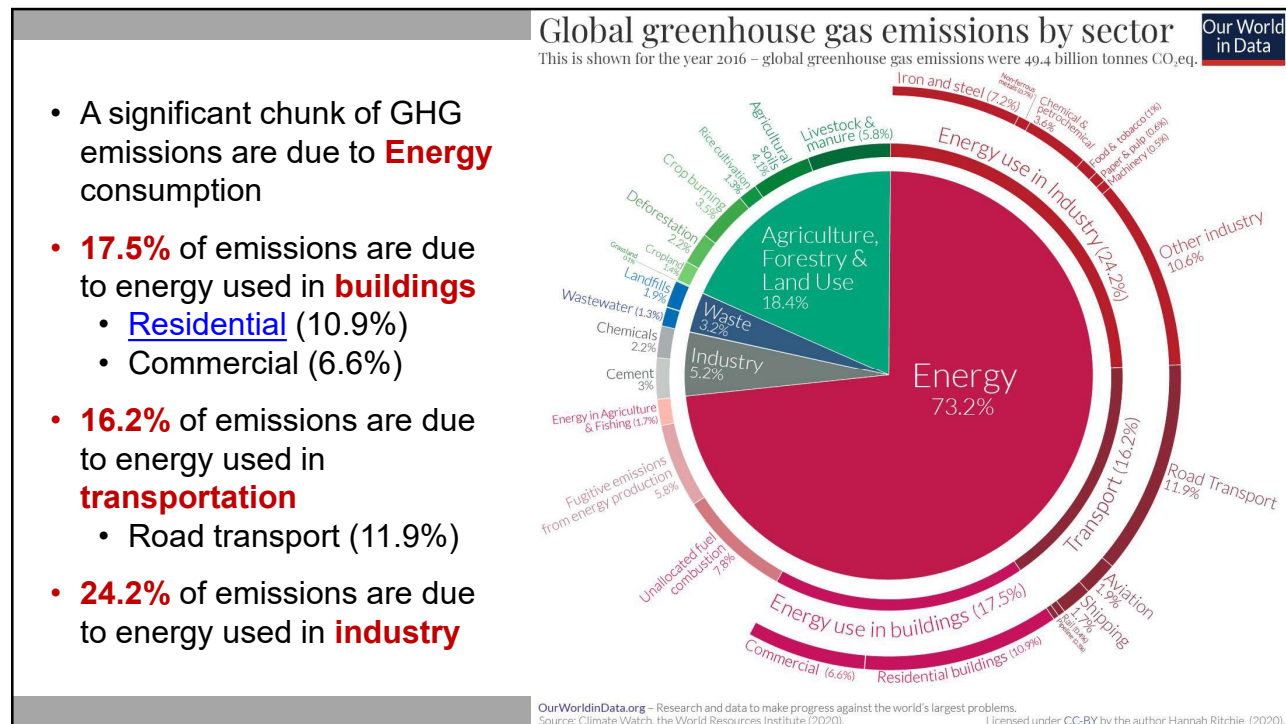
How many of you are representing yourself and your families?

Because, this is not a 9 to 5 problem, but a 24/7 problem...

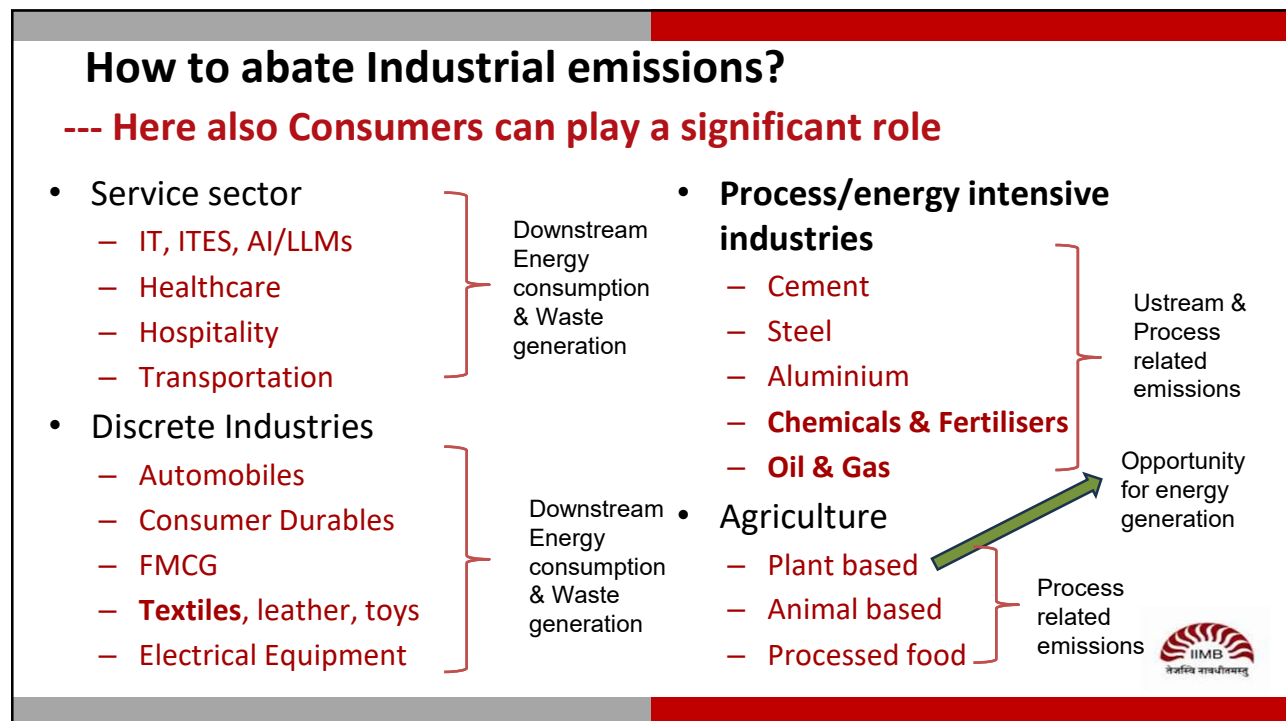
And, its not just a problem of industry, but also the problem of individuals, families and communities...



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Strategies for Decarbonization

Decarbonizing **Production** phase/**Upstream**

Investments into Technology

- R&D, Carbon Capture technologies
- Green product and process development

Greener Materials & Energy

- Green raw materials
- Recycled/recyclable material
- Green fuels, renewable energy

Supplier Engagement

- Identify major suppliers
- Help them to decarbonize
- Create circularity in supply chains

Decarbonizing **Use** phase/**Downstream**

- **Behavioural Change Management**
 - Awareness creation among employees and customers
 - Public awareness creation
- **Provide Greener products/services**
 - Low carbon options (e.g. EVs)
 - Best practices for energy efficiency
 - IT services, Education, Hotels, Tourism, Event Management
- **Target the Luxury Segment**
 - Start charging green premium



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How can GreenCo help with decarbonization efforts?

- GreenCo rating provides a **structured method** to **assess** and **improve** environmental performance across multiple dimensions
 - Management Systems
 - Energy Management
 - Carbon Management
 - Water Management
 - Material Resource Management
 - Green Supply Chain
 - Product Stewardship & Life Cycle Approach
 - Innovation for Environment
 - Green Built Environment
- GreenCo council is building capacity through **advisory** and **training**



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Rialto's GreenCo Journey

- **Catalyst for Structured Sustainability**
 - Rialto's sustainability journey began after exposure to the GreenCo framework at the **2016 GreenCo Summit** in Hyderabad.
 - Inspired by the summit, Rialto formalized its environmental practices under the GreenCo model, integrating it into company strategy.
- **Progression Through GreenCo Certification Levels:**
 - Achieved **GreenCo Bronze Certification** in 2017 by aligning existing practices with the framework.
 - Earned **GreenCo Platinum Certification** in 2022—one of the highest accolades—after significant improvements in energy, water, and waste management.
 - This recognition validated Rialto's sustainability maturity and positioned it among top sustainable manufacturers in India.



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Transformation into a sustainable organization

- **Operational Transformation**
 - Under GreenCo guidance, Rialto implemented key projects such as:
 - A **1.74 MWp solar plant** (meeting 80% of energy needs with renewables).
 - Rainwater harvesting and achieving **Water Positive Status** (5x water replenishment).
 - Diverting **99.9% of waste from landfills**, contributing to **Zero Waste to Landfill Certification** in 2024.
- **Influence on Supply Chain Sustainability (Scope 3)**
 - The **Green Supplier Development Program (GSDP)**, aligned with GreenCo goals, was launched in 2022 to decarbonize the supply chain.
 - Supported suppliers in adopting green practices through **audits, training, and technology sharing**, reducing their emissions and operating costs.



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Other benefits of GreenCo

- **Benchmarking and Industry Recognition**
 - Rialto became one of only 13 companies in India to achieve GreenCo **Platinum+**, setting a benchmark for SMEs.
 - Set a **carbon neutrality goal by 2028 & Net Zero by 2040**
 - GreenCo compliance enabled Rialto to align closely with Procter & Gamble's 2040 net zero vision.
- **GreenCo's Impact on Rialto**
 - served as the cornerstone of Rialto's sustainability transformation
 - provided the **framework, motivation, and metrics** to become a model of sustainable manufacturing.



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GreenCo impact on Godrej & Boyce (G&B)

- **Certification and Recognition**
 - Multiple G&B facilities, including those under Godrej Appliances, Interio, and Construction, achieved high levels of GreenCo certification (e.g., Platinum and Platinum Plus ratings).
 - These recognitions validated G&B's commitment to sustainability and drove further adoption of best practices across divisions.
- **Quantifiable Reductions in Environmental Footprint**
 - G&B reported significant reductions as a result of GreenCo-aligned initiatives:
 - **52%** reduction in specific energy use.
 - **60%** reduction in specific water use.
 - **99%** waste elimination rate (i.e., nearly zero waste to landfill).



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GreenCo impact on Godrej & Boyce (G&B)

- **Net-Zero and Circular Economy Goals**

- GreenCo was instrumental in guiding G&B’s push towards net-zero buildings and operations.

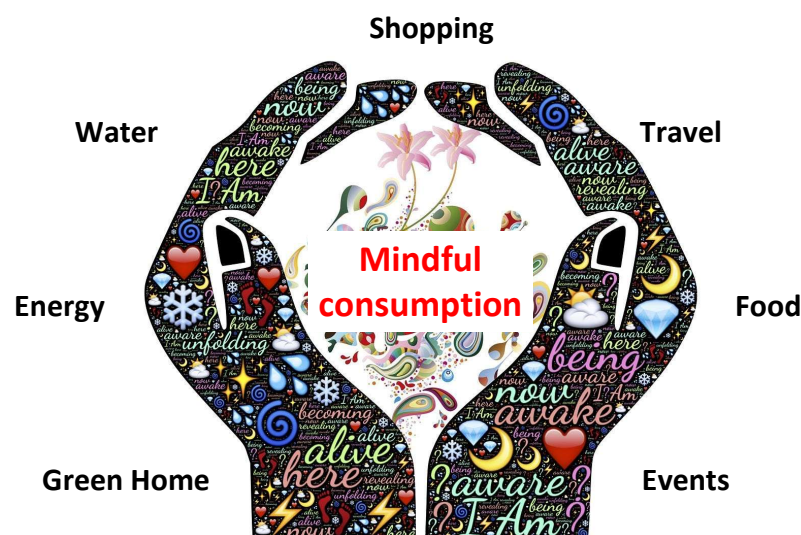
- **Green Product Development**

- GreenCo influenced the development of over 500+ green-certified products, with **37% of revenue** generated from “Good & Green” products by the end of FY23.
- The framework encouraged lifecycle thinking, innovation in eco-design, and stewardship, which aligned with Godrej’s goal of reducing environmental impact while addressing social issues.



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Make a difference as an individual – Shared Responsibility



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Industry Classification based on Supply Chain Emissions

Discrete Industries

Textiles
Leather
FMCG
Furniture
Food

Automobiles
Electrical appliances
Electronics
Machine Tools
Buildings

Process Industries

Steel
Cement
Aluminium
Fertilizers
Pulp & Paper

Oil & Gas
Chemicals
Pharmaceuticals
Fertilizers

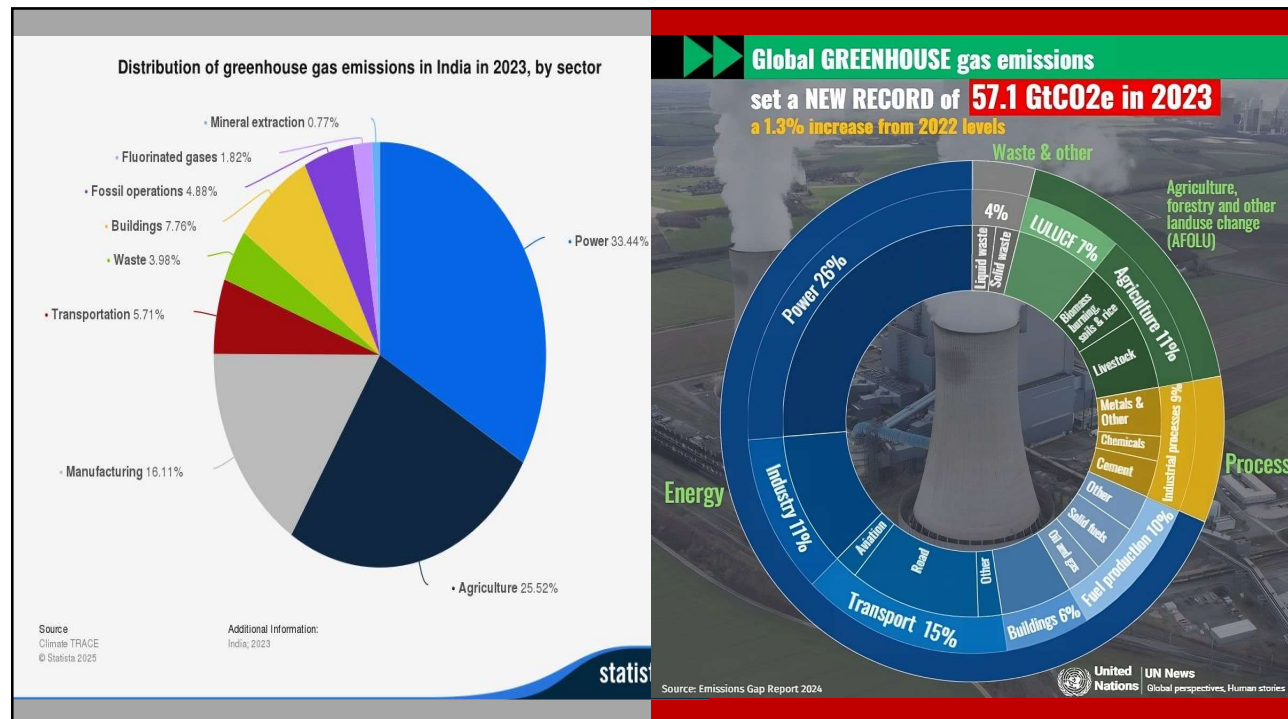
Upstream
Footprint

Downstream
Footprint



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