



REUSE



REDUCE

Igniting Success ▶



RECYCLE



REPAIR



Scaling Resource Efficiency & Circular Economy through Collaboration and Partnerships

25-03-2025

mahindra
LOGISTICS ▶

Circularity & Resource Efficiency at MLL

• Problem:

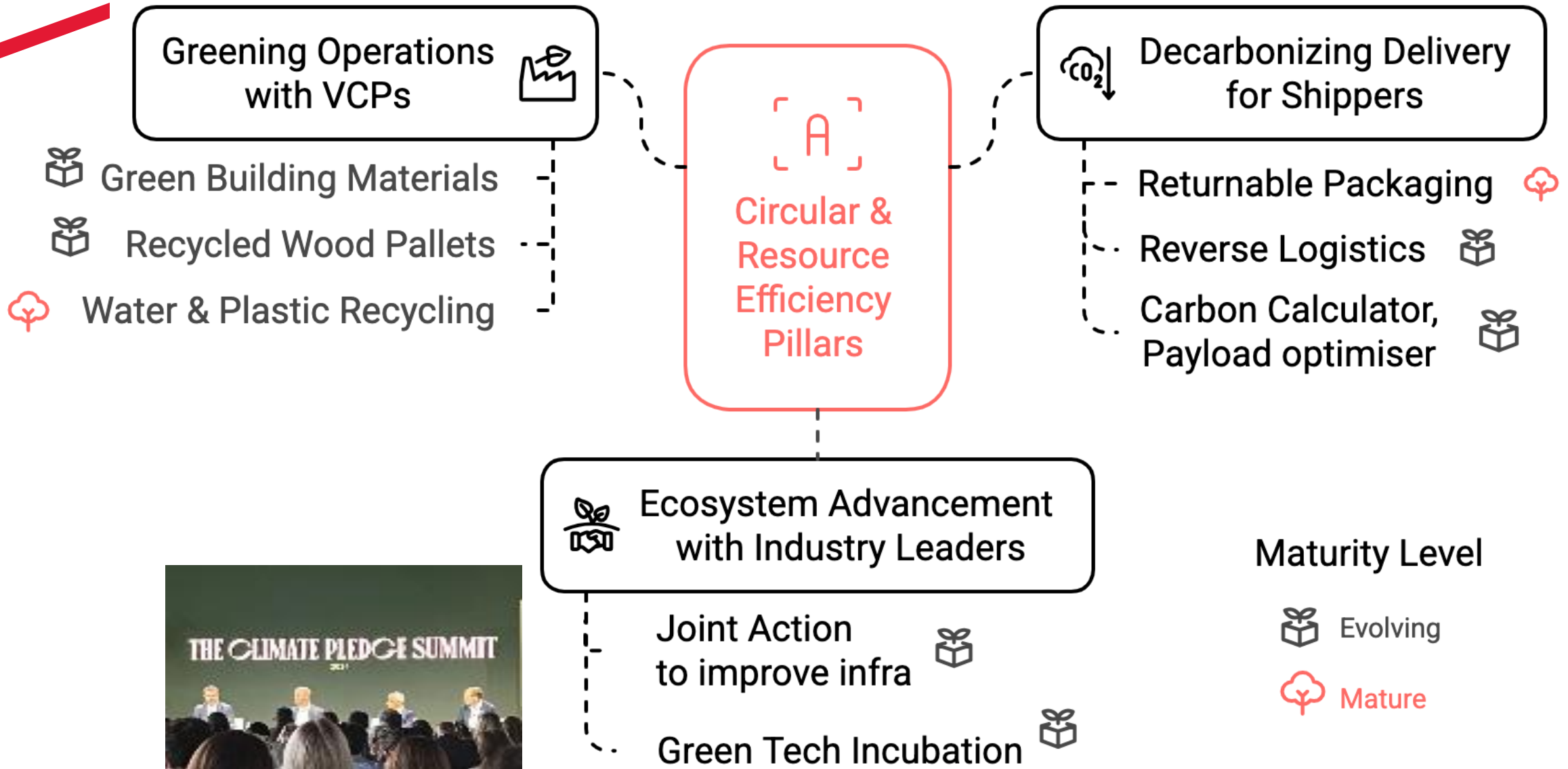
- Limited operating control as an asset-light, 3PL player – High dependence on multiple stakeholders with varying circularity priorities
- Rely on shippers to purchase green services, suppliers to transition to green infra – which itself is emerging
- Upstream and downstream collaboration to bridge supply-demand paradox

• Our Vision:

- Mahindra Group: Together we Rise for 'Planet Positive'
- MLL CEO Commitment (by 2030):
 - 10 Mn sq. ft. carbon neutral, large format, multi-client, state-of-the-art warehousing infrastructure
 - Reduce shipment emission intensity 50%
 - 100% EV adoption for last mile delivery

• Solution (Approach): Identify & engage like-minded stakeholders

- Shippers (i.e. our customers): Shared Net Zero goals & green advocacy → Business Growth
- Green Tech Ecosystem: Incubation for future ready logistics → Accelerate innovation
- Value Chain Partners (VCPs): Capacity building & awareness → Atmanirbhar Bharat



MLL is a Climate Pledge Signatory
(Co-founded by Global Optimism & Amazon)



'Triple Bottomline' Highlights

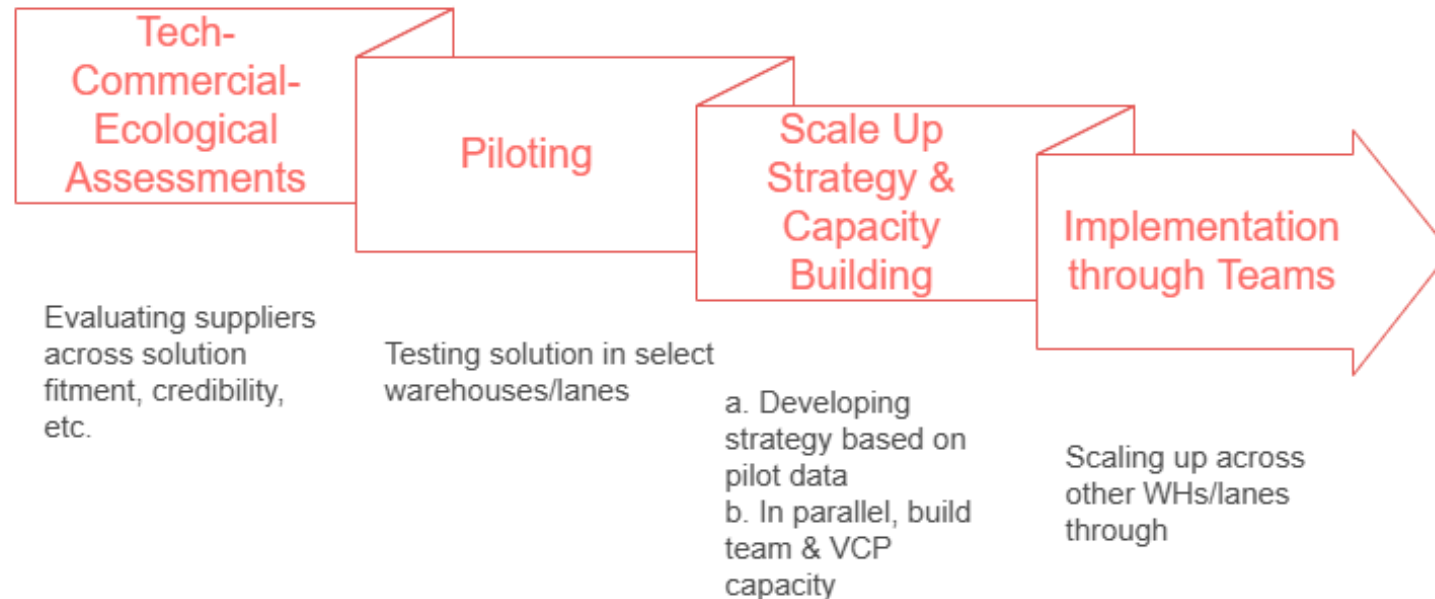
| Parameter | Project & Locations | Locations | Results |
|-----------|--|---|---|
| Planet | Green concrete (Novocrete tech) made from heavy industry waste such as fly ash and slag used in warehouses | Guwahati, Nashik | 800 T CO2e saved |
| | Wood pallets substituted with recycled wood pallets | Guwhati | 2400 pallets deployed; 60 T of virgin wood avoided; 36 T CO2e saved |
| | TCP's JOULE: RE-powered EV charging infra | Piloted in 1 lane in Bengaluru | Projected: 5,500 EVs by 2030 |
| Profit | Returnable Packaging solution | Rajkot, Chakan, Chennai, Nagpur, Jaipur | Extended lifecycle of spare part packaging |
| | Payload optimisation using IoT | Vapi | 15% improvement vehicle utilisation, 7% cost reduction |

Way Forward

- **Scalability via Stakeholder Engagement:**

- Strengthened circular offerings to realize shippers' net zero goals with reduction in Scope 3
 - Tech-enabled measurement and reporting
- Digitized capacity building & ESG performance of VCPs and employees
- 'Catapult' Program & Green Innovation Incubation
 - Invest in & pilot Green Innovation for future ready logistics solutions

- **From Pilots to Impact**



Way Forward: Value Acceleration from Green Logistics



Sewage Treatment Plant, Rudrapur Stockyard

**EMBED A CULTURE
OF CIRCULARITY
WITHIN MLL AND
THE INDUSTRY**



Efficient transport, New Delhi

**SHIPPERS
CATER TO
CONSCIOUS
CUSTOMERS**



Green Warehouse, Bhiwandi

**VALUE CHAIN
PARTNERS
STRENGTHEN
CIRCULAR
OFFERINGS**



MLL's Green Logistics Ecosystem



Leadership Circularity Vision

“A green supply chain requires a circular logistics ecosystem, as the traditional linear model of “take, make, dispose” is no longer rational.

- **Rampraveen Swaminathan,
MD & CEO, Mahindra Logistics**

'Circular economy logistics is the business opportunity to reduce cost through improved resource efficiency”

- **Swayantani Ghosh,
CSO, Mahindra Logistics**



THANK YOU



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