

## Improvement pathways to reduce carbon footprint and transition to a regenerative model

### Service Category - Anvarta



### Project status:

Completed

### Project duration & time:

6-months, 09/21 - 02/22

### Client profile and context

CMTP Packaging Pty Ltd. is a key industrial player in packaging, providing solutions associated with pallets, crates and transport to various sectors such as, automotive, export and livestock. Based in Colac, Victoria, CMTP is expanding its operations to South Australia, New South Wales and Tasmania.

Following a carbon footprint analysis performed covering their Colac site operations, CMTP Packaging Pty Ltd. required inputs to identify ways to reduce environmental footprint of the organization considering its current mode of operation and ways to move beyond its current operating model to transition to a regenerative model, significantly reducing its Scope 3 emissions and improving resource regeneration.

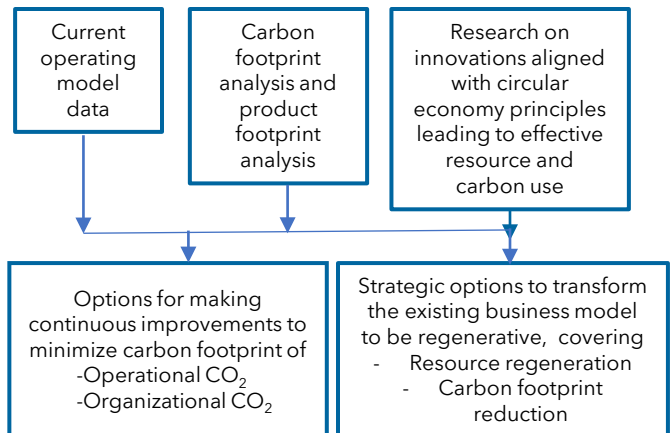
### Scope

The project involved taking a deep analytical look at CMTP's organizational footprint analysis and product footprint analysis of a key strategic key unit (SKU) and proposing,

- Options for continuous improvement to reduce the organizational carbon footprint
- Strategic options for transforming the business model to be regenerative, aligned with principles of circular economy for integrated carbon and resource management

### Project Approach

The data was collected for the project through discussions with relevant staff, other organizational data sources, the organizational and product footprint analysis conducted, and secondary research.



### Project Outputs

- A report with options & pathways for continuous improvements and next-level improvements with business model redesign

### Key Outcomes

- Enablement to identify readily executable actions for reducing cost and environmental footprint, through operational improvements
- Gaining strategic insights on business models for long-term planning, to decouple revenue growth from resource and energy use

### Lead Advisory Organization

Deakin University

### Client Organization & Contact

Travis Maede - General Manager,

CMTP Packaging Pty Ltd.

### Project team

Dr Mayuri Wijayasundara - Chief Investigator, Deakin University

Dr Mahbube Subhani - Investigator, Deakin University

Kumudu Weththasinghe - Research Fellow, Deakin University

Tim Harding - Research Fellow, Deakin University

Anthony Akash - Research intern, Deakin University

### Project Partners

