



Towards Zero Carbon Supply Chains Webinar

Originally planned as an in-person event at Community Hub at The Dock, the impact of COVID-19 social distancing restrictions saw this event pivot through to a fully online webinar. The success of this format exceeded all expectations and completely dispels the theory that people come to these events for the sushi and beer 😊.

Speakers from IKEA, Drawdown Australia, ERM Power, and Bestrane presented industry initiatives that are directly reducing carbon emissions and are good for business. TK'Blue, MobileDOCK, AMACC, Slimstock, Bestrane and Scope3 presented short overviews of their solutions that are assisting industry to transition to low carbon / efficient processes. (Details attached)

Presentation Overviews

[Nicholas Kriloy](#), Transport Manager, IKEA Australia described in detail IKEA's sustainability agenda and ambitions for 2030. Nicholas described that our world is rapidly changing and our collective response is too slow. We have few years to transition to clean energy or we will experience an increase in the global temperature above 3 degrees.

The IKEA carbon footprint is about 25 Mtonnes; transport and logistics services' share is 5%. Nicholas described that IKEA is one of the biggest shippers in the world and is using its voice to create changes that are directly reducing emissions including:

- A pilot program to bring biofuel to the shipping industry
- Transition freight to transport rail, short sea and barge modes (eliminating 22,000 truck trips in Europe – FY19)
- Use waste cooking oil to fuel trucks in Shanghai (IKEA is the first shipper to use biofuel in China)
- Utilise electric trucks in China and the USA
- Integrate the cost of carbon into all IKEA business decisions (carbon pricing)

[Gene Blackley](#), Founder & Climate Solutions Advocate, Drawdown Australia, described that the solutions to reverse global warming exist. Drawdown Australia’s objective is to build a uniquely broad and inclusive movement for reversing global warming in Australia, by sharing an inspiring comprehensive narrative about the threats, solutions and opportunities. Gene’s presentation (attached) included the top decarbonisation opportunities for the supply chain industry.

Supply Chain Decarbonization Opportunities	Potential Abatement Mt CO ₂ e	Assessed Index of Feasibility
Clean Vehicle Technologies	175	High
Despedding the Supply Chain	171	High
Enabling Low Carbon Sourcing: Agriculture	178	Medium
Optimised Networks	124	High
Energy Efficient Buildings	93	High
Packaging Design Initiatives	132	High
Enabling Low Carbon Sourcing: Manufacturing	152	Medium
Training and Communication	117	Medium
Modal Switches	115	Medium
Reverse Logistics / Recycling	84	Medium
Nearshoring	5	Medium
Increased Home Delivery	17	Medium
Reducing Congestion	26	Low

[Dave Sanders](#), Group Managing Director, Bestrane, presented case studies that demonstrate how technology is reducing both emissions and costs. Dave described the 18% reduction in fuel costs (and associated saving in emissions) for BC Sands, a landscaping supplies company in Sydney, as a result of optimising the fleet of 30 trucks using Route Planner. The last case study described how Farmdrop, an ethical grocer with a fleet of electric vehicles (EV) in the UK, is managing recharging through GeoTab telemetrics. Presentation attached.

[Nick Jones](#), Head of Strategic Clients, ERM Power, described how ERM Power is directly supporting shippers and 3PLs to deploy solar panels on warehouses through:

- Flexible commercial solutions (partnering with companies or the Landlord) and
- Solpod, refabricated solar panels that do not penetrate the roof and can be redeployed