



Learnings: Aluminium

Over the past two years, our working group has been connecting across the aluminium value chain to provide industry greater insight into the challenges and opportunities for low carbon aluminium in the Australian construction context. We've summarised our 'Top 5' learnings to succinctly get you up to speed.

Start Early.

Given the market's relatively new to this conversation, and the complexity of the aluminium supply chain, the best possible thing you can do to source low carbon aluminium in your projects is to start talking to your supply chain as early as possible to signal your intent. We know from experience that currently if sourcing low carbon aluminium is left to a narrow 3-4 month tender window, the possibility of using it is greatly reduced.

Cost and Quality is not an issue.

Through our working group's deep dives held with industry last year, we busted the myth that low carbon aluminium is cost prohibitive. This was proven through the Lendlease case study, Capral's launch of LocAl and through market research into the low premiums ranging within the major global metal exchanges.

Connecting the supply chain dots.

The key to bringing about a low carbon future in Australia resides in our ability to connect across a deep and complex aluminium supply chain. Unlike other key materials, aluminium has layered and often fragmented supply chain. Asking simple questions, early enough, of your supply chain such as... 'Do you know where your aluminium comes from?' 'Does the smelter operator provide an EPD?' or 'Do you have other existing suppliers with options?' ...will give you the best opportunity to source and secure low carbon aluminium for your project.

Its available now in Australia.

Low carbon aluminium is already here! Capral Aluminium, Australia's largest extruder, has recently launched to market two low carbon options – LocAl Green and LocAl Supergreen! With carbon emissions of 8kg CO₂e/kg Al, LocAl® Green is supplied as standard on all Capral proprietary window and door systems. For a minimal price premium, LocAl® Super Green is available at 4kg CO₂e/kg Al – amongst the lowest carbon aluminium available globally.

Overseas procurement is not an excuse – it is possible.

As demonstrated through the One Sydney Harbour case study from Lendlease, overseas procurement is an challenge that can be overcome. By engaging early with your supply chains, you are giving yourself the best chance to source and secure low carbon aluminium for your project.

Our working group also had several encouraging updates from our Deep Dive attendees who have since asked questions of their overseas supply chain for the first time, and received encouraging responses around the recycled content with some suppliers providing EPD's. This is a significant step forward in the education and advancement of our supply chains. The more we collectively ask these sorts of questions, sending a strong demand signal to the market, the sooner we will see the broader transformation to a low carbon future for aluminium.



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