



The Roe Highway Logistics Park | Photo source RHLP

Innovation > Property & Construction > Low-carbon concrete used as part of sustainable Perth industrial complex

## LOW-CARBON CONCRETE USED AS PART OF SUSTAINABLE PERTH INDUSTRIAL COMPLEX

 PROPERTY & CONSTRUCTION

**The park will make use of low-carbon concrete, which has the potential to reduce emissions by up to 42 per cent**

**Spotted:** Located 5km from Perth airport and 13km from the Perth CBD, the park will make use of low-carbon concrete, which has the potential to reduce emissions by up to 42 per cent, as opposed to traditional concrete, according to sustainability consultant Edge Environment.

Led by the CEFC on behalf of the Australian government, the Roe Highway Logistics Park (RHLP) will be Perth's most sustainable industrial estate, and the first that has direct investment into decreasing embodied carbon in property construction.

The CEFC hopes that this green investment will have a trickle-down effect on the construction industry. According to chief executive Ian Learmonth, "Importantly, the focus on low carbon construction materials at RHLP can play a critical role in influencing supply chains in the construction industry. This offers a new pathway to cut emissions from the supply chain, known as scope three emissions, and provides a world-leading example of low-carbon options for the industry."

Moreover, not only does the complex use low-carbon concrete in construction, but it will use up to two megawatts of solar power across warehouses in order to produce clean energy and cut down on emissions. It also features many other other sector-leading sustainability measures, such as grid-friendly smart inverters, smart metering, power factor correction, voltage control, stormwater management systems and on-site water recycling. This is all being led by property developer, Hesperia.

Learmonth adds that "Exciting developments in low-carbon construction materials are giving us the chance to accelerate decarbonisation, and success in this sector will help spur Australia's transition

to a low-emissions economy”.

Written By: Holly Hamilton

**Explore more:** [Property & Construction Innovations](#) | [Sustainability Innovations](#)

5th July 2021

Email: [info@rhlp.com.au](mailto:info@rhlp.com.au)

Website: [rhlp.com.au](http://rhlp.com.au)

### **Takeaway:**

It is unfortunate that in most areas of industry, there needs to be other incentives to become green, rather than the pure fact of saving the planet. We see this particularly within construction, where environmentally-friendly solutions are still being developed. On top of this is the fact that the construction sector produces - a 2019 [report](#) showed that almost 40 per cent of energy-related greenhouse gas emissions were from the buildings and construction industry. However, as we become more environmentally-aware, leading figures in the industry are realising that ‘green buildings’ are attractive to new tenants and owners and will thus bring in more money. We may well see this in the way the construction industry changes in the years to come.