

# Kaizon Engineering perform a design peer review on the first high-importance (IL4) office building in Palmerston North.



## Project Summary

WSP|Opus approached Kaizon Engineering to perform a PS2, design peer review, on a new three-storey office building (Te Ao Nui) in Palmerston North.

Kaizon were the Facade and Building Envelope design peer reviewer for WSP|Opus – who were the architects on the project. The new three-storey office building was designed with a high-importance level (IL4). This meant Te Ao Nui must meet very stringent design performance measures focused on maintaining functionality to a portion of the top floor of the building following significant seismic events. The facade and building enclosure design incorporated these stringent requirements by selecting materials and detailing methods that will maintain a weathertight building and deliver on the client's expectations.



*Photo credit: WSP | OPUS*

The team at Kaizon worked directly with WSP|Opus and the Facade Subcontractor, Thermosash, to work through challenging details during the detailed design process that account for the increased amount of service level seismic drift. This contributed to a quick and thorough council consent process and a direct transition to system procurement and delivery.

Kaizon were particularly pleased with the detail of their work which resulted in zero RFI's from Council regarding the design requirements and proactive coordination with the Construction Team. Kevin Raives, Senior Engineer at Kaizon, commented on the project saying, "This project was a bit more complex than a standard design peer review due to the high-importance structural requirements. I think our efforts up-front in the detailed design phases really paid off as we provided a thorough and well-articulated peer review, so, I was glad when the consent process went so smoothly afterwards. It was an interesting project to work on and I enjoyed working with the team at Opus."