

# AI eye in the sky – Your bridge to safer structures

By Jack Donaghy

*Beca’s Artificial Intelligence (AI) solution revolutionises bridge crack detection. It quickly and accurately captures images of bridge cracks, classifying them in a way that is more cost effective, more accurate, and safer than traditional methods. Traffic disruption is also minimised, making the process quicker and smoother.*

Beca’s Artificial Intelligence (AI) solution enables fast, accurate, cost-effective and safe identification and classification of bridge cracks through automated image capturing and analysis. By utilising machine learning algorithms, the AI can quickly identify, classify and detect cracks from images taken from multiple angles and heights.

The AI-driven solution also minimises traffic disruption and safety risks, as manual inspection of bridge cracks can be done remotely and quickly. This AI solution helps bridge owners, operators and engineers save time, money and resources in assessing the condition of bridges, enabling more informed and timely decisions about their maintenance and repairs.

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## Bio - Jack Donaghy

Jack Donaghy is the Digital Innovation Leader for Beca’s New Zealand Transportation and Infrastructure business. As a chartered civil engineer with over 23 years’ experience in road, rail and land development, he has a passion for challenging the status quo and looking to do things smarter and faster.