

# Melbourne rail project wins Bentley construction award



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ACCIONA was presented the award for construction at Bentley Systems' [2022 Going Digital Awards in Infrastructure](#) at a ceremony in London last week.

The company was recognised for its work using digital construction simulation software to help remove level crossings along the Frankston Line as part of the Southern Program Alliance – which comprises ACCIONA, along with Coleman Rail, Level Crossing Removal Project, Metro Trains Melbourne, and WSP.

ACCIONA digital engineering lead Daniel Easter presented the project at the awards finale before jurors, peers, and industry press.

As part of Victoria's level crossing removal initiative, a \$744 million project was deployed to remove 20 level crossings and construct 13 new stations along the Frankston Line.

The project team wanted to ensure efficient design and timely delivery of the project, and was required to face several construction planning challenges when working in congested areas among a large stakeholder group.

The team also needed to upgrade its digital approach to a more seamless integrated solution, as the previous strategy lacked context and connectedness, and did not visually communicate the construction sequence.

By leveraging Bentley Systems' collaborative modelling and construction simulation software, the team established a connected data environment and created a digital twin to streamline workflows and provide unparalleled insight into constructability and construction monitoring.

Implementing this approach using Bentley Systems' SYNCHRO software reduced staging time by 67 per cent and drafting requests by approximately 88 per cent, SYNCHRO helped deliver the project on time with minimal disruption to passengers and the public.

Bentley Systems' Going Digital Awards in Infrastructure is a well-regarded global competition that recognises digital advancements in infrastructure. Since 2004, the awards program has recognised more than 4400 of the world's most outstanding infrastructure projects.

The categories for the 2022 awards encompassed all forms of infrastructure projects and stages – from design, to construction, to operations. The projects in each category were judged by an independent panel of jurors, using criteria specific to each category.

For the full list of award winners, visit: [www.bentley.com](http://www.bentley.com)

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