

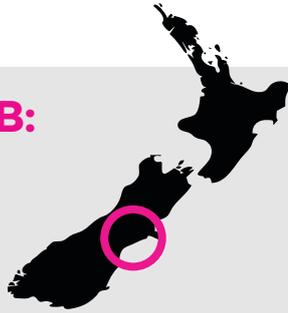
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MARCH 2023

iNFORMER

YOUR QUARTERLY FRC NEWS & TECHNICAL UPDATE FROM iNFORCE

JOINTLESS SLAB: MAINFREIGHT, ASHBURTON NZ



THE PROJECT

It was a real privilege to partner with Calder Stewart in this new freight handling facility for Mainfreight in a fast-growing Canterbury area.

Partnering with companies that have very similar values when it comes to supporting the regions makes it all the more satisfying!

With approximately 3000m² of iNFORCE fibre reinforced concrete in this project, our brief was to provide a jointless slab design that removed the risk of deteriorating joints in a facility that has constant forklift and truck traffic.

With such significant forklift movements, removing saw cuts was critical in ensuring longevity and providing a maintenance-free floor.



OUR SOLUTION

The design features up to 30m panels intersected with armoured jointing, providing this facility with a fit for purpose build and delivering an excellent outcome for all involved.

An excellent project, expertly placed and finished by the team at BCP.

- *Steel fibre reinforced*
- *30m panels*
- *No saw cuts*



UNDER CONSTRUCTION: DMS PACKHOUSE & COOLSTORE, BAY OF PLENTY NZ



off construction program and give certainty to the program at a time when supply chain issues were top of mind.

Customer satisfaction was such that iNFORCE has been engaged to provide design services for the following stages including a CA store and other supporting infrastructure of this important contributor to New Zealand's primary products export industry.

THE PROJECT

iNFORCE was pleased to be included in the extensive expansion by DMS Pro growers in the Bay of Plenty with significant investments in a new packhouse with state-of-the-art equipment for handling valuable fruit exports.

Working under extremely tight timeframes to have construction and packing equipment set up before the harvest started meant staying to the program was critical and zero room for delays.

OUR SOLUTION

iNFORCE was commissioned to design over 7,000m² of internal and 13,000m² external concrete to cut significant time



- *Over 20,000m² of concrete*
- *\$14/m² saved (~\$280k)*
- *~25 days cut from the construction program*
- *Steel fibre internal floor slabs*
- *Synthetic fibre external slabs*





LEARN WITH INFORCE: REINFORCING ASPHALT WEBINAR WITH PHIL BLANKENSHIP



Interested in joining a webinar presented by the well respected Phil Blankenship on the adoption of physically reinforced asphalt?

Phil is a PE and graduated from University of Kentucky and during his graduate research Phil worked at Asphalt Institute, Lexington, KY, in SHRP. He assisted in developing N-Design to simulate field mixture compaction in the Superpave gyratory compactor. From 1993-1995, Phil was the Superpave Coordinator and managed the Asphalt Binder Laboratory for KY Transportation Cabinet, Frankfort, KY.

Phil joined Koch Pavement Solutions in 1995 and was one of Koch's project development engineers for new asphalt technology; specifically the development of a Reflective Crack Relief System (Strata).

In 2007, Phil joined the Asphalt Institute as the Senior Research Engineer and managed AI's Mixture & Performance Testing Laboratory.



Register your interest by emailing george.field@inforceglobal.com

ASK INFORCE: WHAT IS YOUR DESIGN PROCESS?

- VERIFY THE PROJECT FITS INFORCE CAPABILITY
- REVIEW PROJECT REQUIREMENTS & DELIVERABLES
- REVIEW OPTIMISATION POTENTIAL
- DRAFT SPEC & CAD DRAWINGS
- PRESENT DESIGN
- DESIGN ACCEPTANCE & ENGINEERING DOCUMENTATION
- STAKEHOLDER COMMUNICATION & PRE-POUR REQUIREMENTS

One of the questions we often get asked — especially from clients that haven't used the INFORCE design service before — is what does the process look like? We've visualized it in this diagram to help you understand the simplicity of our design process. One of our guiding values is **Making it Easy** and that is what we strive to do: make it as easy as possible for our clients to go from design to handover.



Ready to discuss your project? Reach out to our team for advice and support.

FAST TURNAROUND: EC CARPETS ADELAIDE, AU



THE PROJECT

The large new EC Carpets manufacturing and distribution centre was up against delays due to bad weather.

OUR SOLUTION

When offered an efficient alternative, the team jumped at the chance to eliminate days of placing & tying conventional reinforcing mesh by using an iNFORCE designed steel fibre reinforced external slab. With nearly 6000m² of heavy duty concrete pavement required, iNFORCE turned the design around in a matter of days.



MEET THE TEAM: GEORGE FIELD

George Field has joined the team as Business Development Manager for flexible pavements. George brings with him over 20 years of working in the construction industry, with much of that in the civil space, and he will be putting that experience to work helping key players in the industry adopt fibre reinforcing for asphalt.



It's an exciting chapter in the iNFORCE story with significant benefits to be realised within an industry that is fighting with restricted Government budgets in their endeavour to keep our infrastructure assets built and maintained.

iNFORCE
SIMPLIFY WITH CONFIDENCE.