SIKA AT WORK

PORT OTAGO, PORT CHALMERS, WHARF EXTENSION

CONCRETE

BUILDING TRUST

PORT OTAGO, PORT CHALMERS, WHARF EXTENSION

PROJECT DESCRIPTION
Port Otago near Dunedin is the primary export port for the lower South Island of New Zealand. In 2018 the Port awarded a contract for the construction of a 135 m long extension to the existing container wharf. The extension was needed to provide additional cargo storage capacity, berthing, mooring and service facilities.

PROJECT REQUIREMENT
The main requirement was for the supplied concrete to deliver 100 year durability in a marine environment. Equally crucial was the durability to withstand the substantial heavy traffic of associated handling equipment, including rail mounted container cranes, forklifts, straddle carriers and mobile cranes.

CHALLENGES
Sika had a major role in mix-design and was actively involved in trials, technical specification, temperature control etc. Solid working relationships ensured concrete pours ran smoothly and were completed on time and on schedule over the seven month supply period.

SIKA SOLUTION
To enhance the durability of the concrete and keep it workable at the same time. The main ingredients we supplied were SikaFume for durability, ViscoCrete 5-555 for maximum water reduction, Retarder for set control and SikaFilm as the finishing aid.

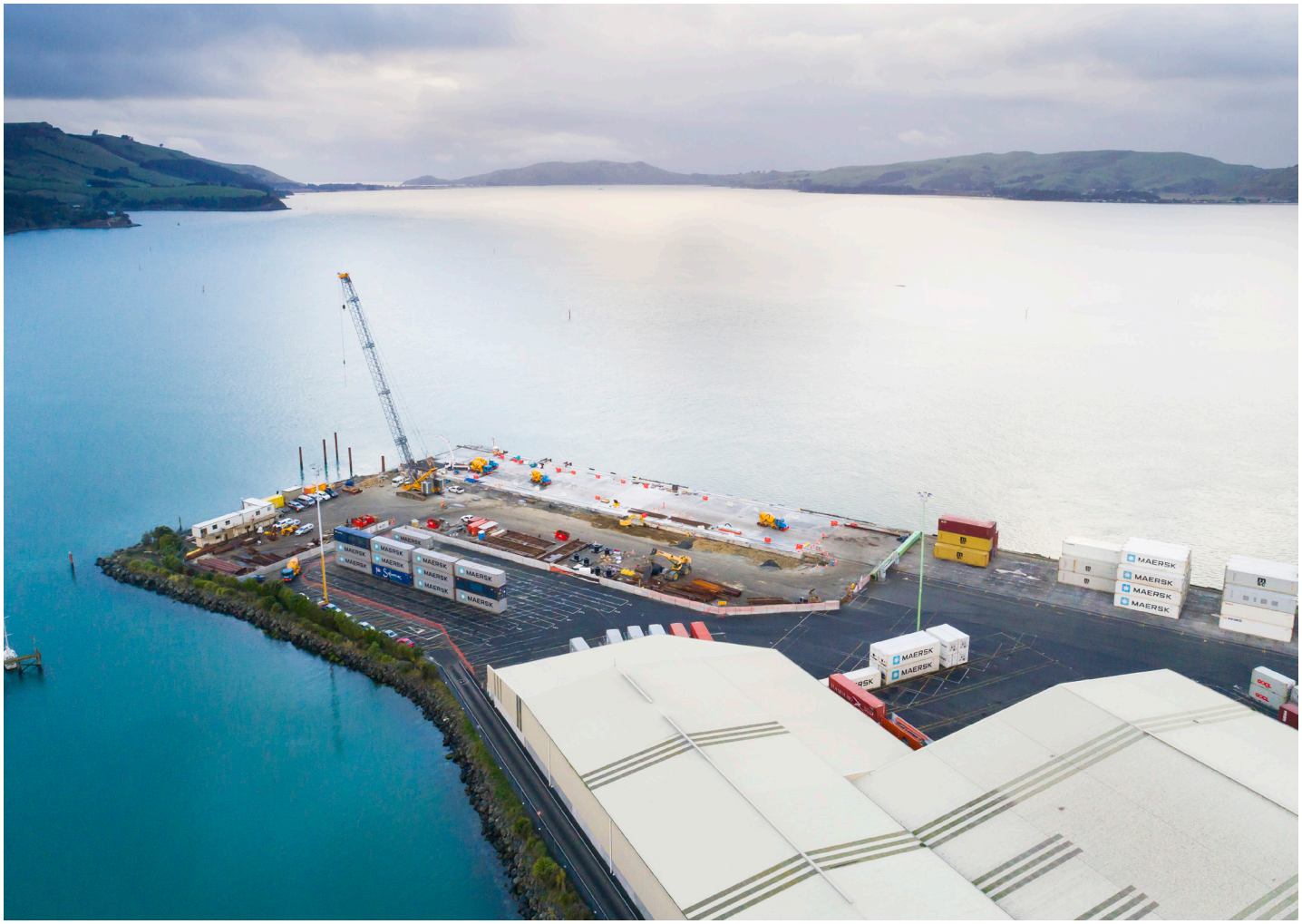
PROJECT SIZE
1300 sqm

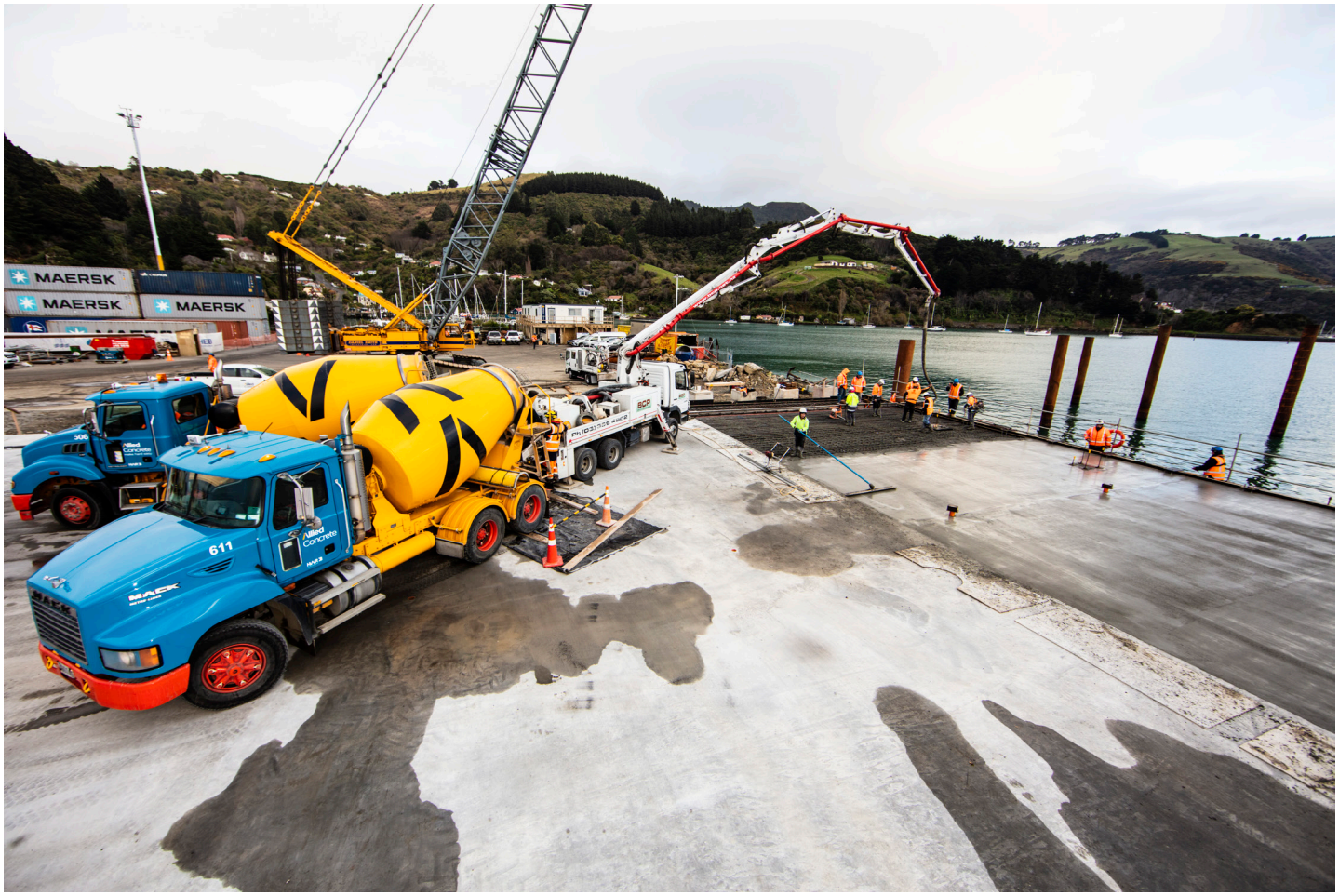
PRODUCTS USED
SikaFume - 50,000kgs
Sika ViscoCrete 5-555 - 3,000 litres
Sika Retarder - 3,000 litres
SikaPlast-500 - 5,000 litres

PROJECT PARTICIPANTS

Product Specifier:	OPUS
Specialist Contractor:	HEB
Sika Contact:	Appie Borren

Scan QR Code for more Concrete information or visit www.sika.co.nz





All photos courtesy of Allied Concrete

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