

MEDIA RELEASE

Monitum launches automated surface displacement monitoring device

Melbourne, 18 May 2022: The Innovative Manufacturing Cooperative Research Centre (IMCRC) congratulates Monitum on the launch of its automated monitoring service – Kurloo.

Designed and developed in collaboration with Queensland University of Technology (QUT) as part of a three-year IMCRC co-funded manufacturing research project, Kurloo is set to transform the way industry measures displacement.

By harnessing the Internet of Things (IoT), low-medium-end Global Navigation Satellite System sensors and cloud computing technology, Kurloo provides precise and accurate insights to help manage risks around environments, buildings and structures.

According to Monitum’s Managing Director Lee Hellen, Monitum’s cost-effective product has extensive applications across industries such as infrastructure, transport and mining.

“Geospatial data is critical to the delivery of every construction project, but it’s often costly and labour intensive to gather,” he said.

“To solve this challenge, we’ve leveraged Australia’s considerable research and development capabilities to create an end-to-end displacement monitoring service.

“Kurloo provides the frequent, consistent and precise readings needed to help manage risk, and does so at a fraction of the price of traditional monitoring equipment.”

Key to delivering such an innovative outcome was the cutting-edge geospatial research conducted by QUT’s project team, led by Professor Yanming Feng.

“By combining Monitum’s deep understanding of the geospatial sector with QUT’s technical and research capabilities, we have overcome a significant barrier for industry and delivered a world-first product,” said Professor Feng.

David Chuter, IMCRC’s CEO and Managing Director, said IMCRC was thrilled to see Monitum and QUT successfully bridge the ‘valley of death’ to bring an Australian manufactured product to market.

“In recognising the need for more innovative monitoring equipment, Monitum and QUT have utilised the power of advanced technology to create an economical, globally relevant monitoring service that fills a significant gap in the market,” he said.

“And by partnering with local manufacturer Intellidesign, Monitum streamlined the development and commercialisation of its device and guaranteed its supply chain.

“The evolution of Industry 4.0 continues to generate new opportunities for Australian businesses to capitalise off technological innovation. By seizing them, businesses can develop more resilient offerings and extend Australia’s manufacturing capabilities.”

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About IMCRC

IMCRC is an independent and for-impact cooperative research centre with a successful, proven and scalable model for catalysing research and business partnerships that drives transformative commercial outcomes for participating Australian manufacturers. To date, IMCRC has successfully co-invested in more than 70 R&D projects, catalysing more than \$230 million in transformative manufacturing research. More information is available at www.imcrc.org.

About Monitum and Kurloo

Monitum delivers customised monitoring solutions as a leading, trusted partner to many of Australia's largest construction companies and infrastructure maintenance managers. www.monitum.com.au/

Kurloo detects movement in buildings, built structures and ground surfaces with millimetre precision. Combining state-of-the-art technology, Kurloo helps you manage risk more easily and economically than ever before. www.kurloo.io

About Queensland University of Technology

QUT is a recognised leader in transdisciplinary research. We increase capacity for transformative research with real-world relevance through our research strengths and by supporting researchers with world-class infrastructure. We prioritise partnerships and high-quality research outputs with societal impact by facilitating co-creation and co-authorship, and focusing on the real-world difference our research can make. www.qut.edu.au/research

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