

MEDIA RELEASE

MotorOne Group leveraging IIoT technology to digitalise manufacturing facility

Melbourne, Tuesday 3 May 2022: Leading Australian automotive aftermarket service provider MotorOne Group has embarked on a six-month, \$295,000 research project to automate and digitalise its manufacturing and quality assurance processes.

Working in collaboration with Swinburne University of Technology and supported by the Innovative Manufacturing Cooperative Research Centre (IMCRC), MotorOne Group will harness the Industrial Internet-of-Things (IIoT) to capture and monitor key information on the factory floor.

Once designed, the IIoT solution will assist with production processes and support data-driven decision making in real-time.

As part of the project, MotorOne Group will participate in IMCRC's futuremap program and undertake an in-depth Industry 4.0 readiness assessment to inform its digital manufacturing strategy.

Greg Lewis, CEO of MotorOne Group, said his team was delighted to collaborate with IMCRC and Swinburne to design and integrate the solution into MotorOne Group's chemical manufacturing facility in Bayswater.

"The challenge we currently face is that our manual chemical mixing process results in significant variations in final product quality. With this project, we are working towards a flexible IIoT solution to improve yield, reduce waste and subsequently bring a more positive environmental impact," he said.

"We welcome the opportunity to partner with IMCRC and Swinburne on a project that will result in commercial enhancements and contribute to the development of new products for an emerging marketplace."

Swinburne Associate Professor and Research Lead, Prem Prakash Jayaraman, said the research collaboration would optimise efficiency and productivity throughout MotorOne Group's entire manufacturing process.

"Over the course of the project, Swinburne and MotorOne Group will work hand in glove to design and build an IIoT solution that seamlessly combines sensing, communication and data analytics," he said.

"By enabling machine-to-machine communication, designing interactive human-machine interfaces and integrating IIoT data with existing systems, MotorOne Group is embracing technological innovation and becoming an active part of Australia's shift towards advanced manufacturing."

Simon Dawson, IMCRC's Director, Industrial Transformation said IMCRC was delighted to be contributing \$63,000 in co-funding towards the industrial automation project.

"By pioneering the design of modular and agile technology, MotorOne Group has the potential to expand its offering and provide the solution to other manufacturing small to medium enterprises for adoption," he said.

“These collaborative partnerships between industry and university are invaluable and enable businesses to access the expertise and support needed to more seamlessly introduce and integrate industry 4.0 into their operations.”

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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.

IMCRC's activate program was introduced in 2020 to support shorter-term, industry-led research projects that help Australian manufacturers take action and gain a competitive edge in the post-COVID-19 world. www.imcrc.org

About MotorOne Group

MotorOne Group is Australasia's largest aftermarket car care provider and scratch and dent repairer. The group aims to deliver innovative solutions through automotive intermediaries to enhance every driving experience. MotorOne Group's portfolio of brands allows the business to utilise its network and provide strength in numbers to deliver industry-leading service and results. www.motoronegroup.com

About Swinburne University of Technology

With outstanding researchers and facilities, specialist institutes and centres, strategic platforms and initiatives, and a focus on high-quality and ethically sound research, Swinburne is ranked among the top 300 research-intensive universities in the world. The university is focused on delivering research that creates economic and social impact, and its researchers are producing innovative solutions to real-world problems across a range of disciplines and sectors. www.swinburne.edu.au

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