



Welcome to the spring edition of the Loop Technologies quarterly newsletter.

Loop Technologies provides a wide range of electronics services for a diverse group of customers. In this month's newsletter we share an example of our manufacturing capability for the solutions we design, using Powerglide as a case study. We would also like to introduce you to one of our team members who has been a key part of the Powerglide production team and provide you with further information on the wide range of work we undertake for an insight into our capabilities.

In this newsletter we showcase:

- *Powerglide Case Study*
- *A staff profile on Andrew Patterson, Production Assistant*

Also in this newsletter:

- *Review us on Google*

We hope you enjoy this edition, and we'd love to hear from you if there is anything further you would like to know.

[Roger, Ross and the team at Loop](#)

Powerglide Customer Story



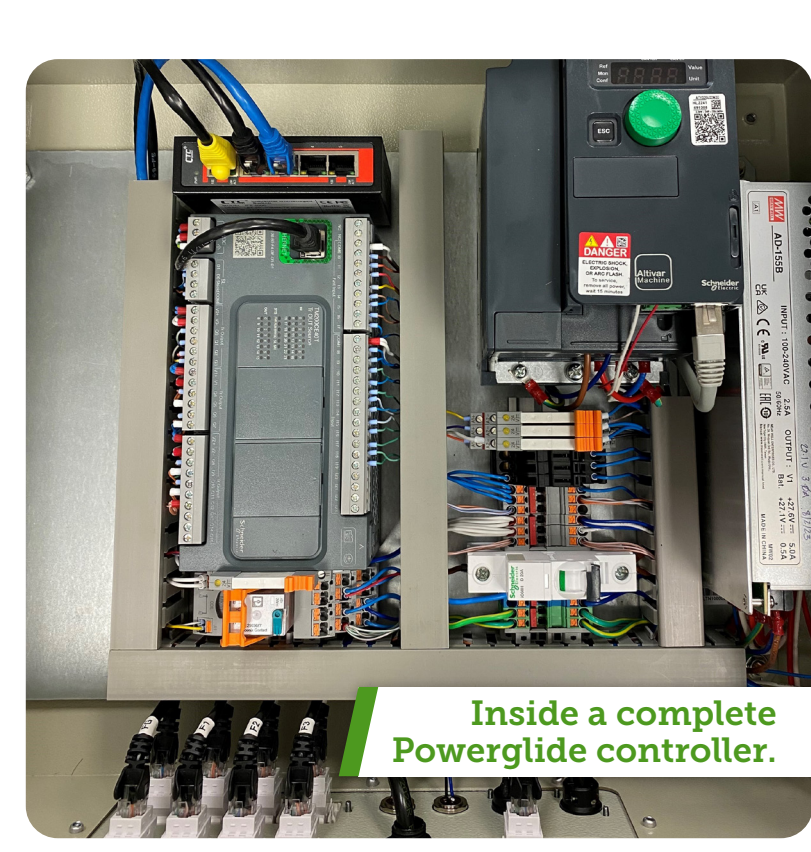
In 2019, Powerglide sought to develop a new controller for their elevators with the aim of providing an expanding set of services and benefits for their customers.

Manufacturing the Solutions We Design

Powerglide is an elevator manufacturing company which delivers high-end quality products to both residential and commercial clients. Having manufactured elevators for the last 20 years, over the last eight years they have witnessed substantial growth from a team of five to approximately 25.

In 2019 Powerglide sought to develop a new controller for their elevators, with the aim of providing an expanding set of services and benefits for their customers. Powerglide chose Loop Technologies as their sole supplier for the elevator controller design project. Mark Findlay, General Manager of Powerglide, elaborates, *"It was easy; they were professional and genuinely sought to understand our needs and see if they could fulfil them. Their transparency about their capabilities was reassuring."*

Powerglide's goals for the elevator controller project were ambitious yet crucial for their growth and customer satisfaction. They sought a new controller with flexibility, capable of expanding their services and accommodating future demands.

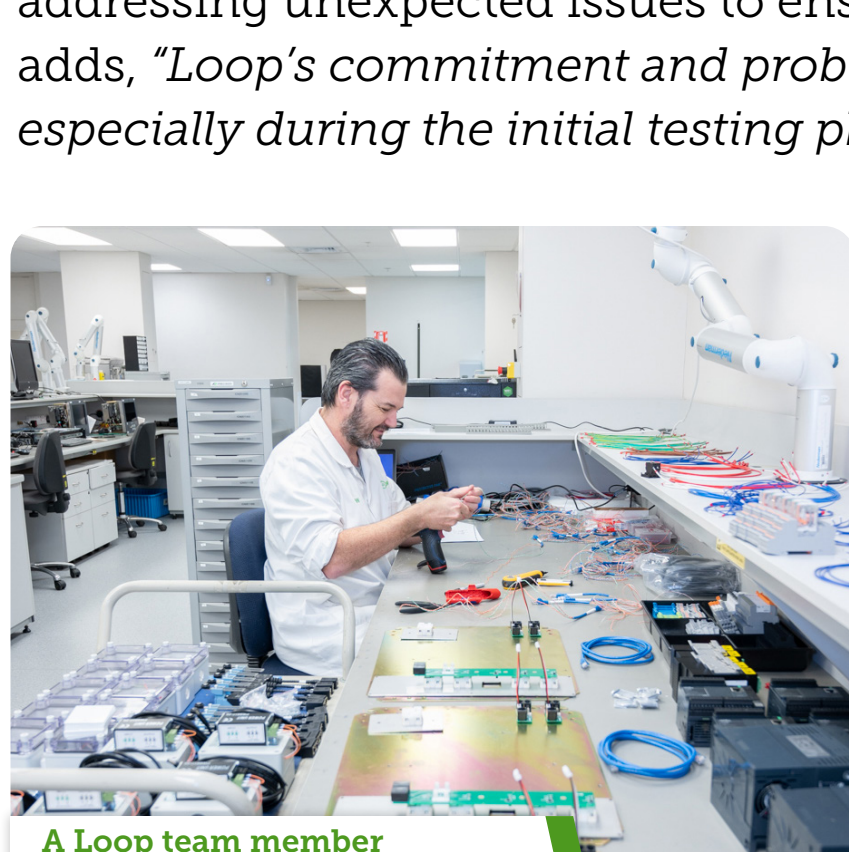


Inside a complete Powerglide controller.

Powerglide needed a supplier who could also manufacture the controllers to meet their growing production volumes. Loop Technologies demonstrated their ability to deliver precisely what Powerglide required. They meticulously mapped out the system requirements from scratch, ensuring a custom solution that met Powerglide's needs and provided a seamless transition to production.

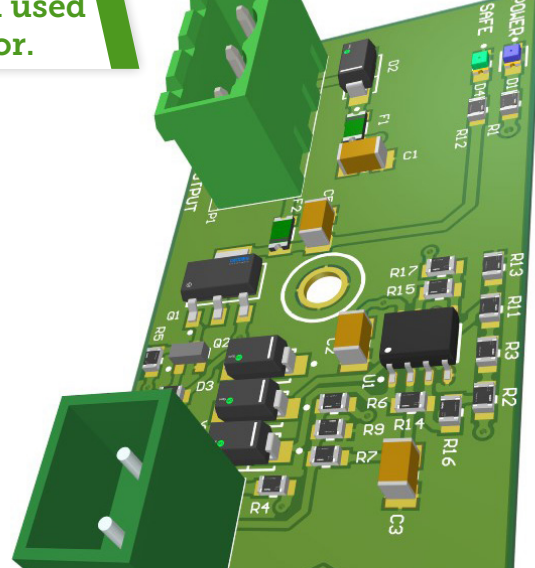
The project faced its share of challenges. The year 2020 brought the onset of the COVID pandemic, leading to lockdowns and worldwide component shortages. The team at Loop Technologies took up the challenge, diligently searching the globe for the electronics required to manufacture the controllers.

Mark shares, *"Loop's dedication during this time was admirable"*. Loop Technologies kept Powerglide informed throughout the process, promptly addressing unexpected issues to ensure a positive experience. Mark adds, *"Loop's commitment and problem-solving abilities were reassuring, especially during the initial testing phase."*



A Loop team member assembles Powerglide elevator controllers in the Loop Lab.

A Loop designed circuit board used in the elevator.



Loop Technologies set up a production team with the expertise, tools, test equipment and dedicated space within its facility. They have been expertly manufacturing the new controller since the first unit passed Powerglide's acceptance testing. The team provides monthly batches of controllers and peripherals, sized to meet Powerglide's volume demand. Loop Technologies also works with Powerglide to design the ongoing revisions to their product, and then integrate them into controller production.



The new controller designed by Loop is implemented within Powerglide's range of lifts, such as the pictured Commercial S Series in Honed Slate.

To support future features and services, compatibility with Loop Technologies' Cognetex Internet of Things (IoT) system was designed into the controller.

Loop Technologies' custom-designed electronics and the ability to manufacture exactly to customer requirements has enabled scalability and continuous improvement for Powerglide.

Click the button below to find out more about Loop Technologies and to read other customer stories.

ABOUT US

Meet the Loop team

An insight into the life and role of Andrew Patterson, Production Assistant



Andrew Patterson, Production Assistant at Loop Technologies.

Andrew's interest in technology began during his IT support days. However, it was during his time in Rotorua, where he found a passion for the hands-on aspect of soldering and producing tangible electronic products. This passion for practical work led him to leave IT support behind and focus on manufacturing and refurbishment.

After studying business computing courses at Polytech, Andrew initially pursued a career in IT support. His interest in technology

and computers led him to work for a national PC builder. A new career path opened for Andrew, when he was offered the opportunity to work with his stepfather soldering electronic boards for his small Rotorua-based electronics company, eventually becoming the companies' main Production Assistant. Andrew then made the move back to his home city of Hamilton, accepting an opportunity at Loop and transitioned into his current role as a Production Assistant, a position he has held for 13 years.

Andrew's role at Loop has evolved over time, after initially being responsible for refurbishing products that had reached the end of their life. This involved identifying worn-out components and replacing them to extend the products' lifespan. His recent work has been in manufacturing controllers for Powerglide and a KiwiRail project, building brand new PCB cards contributing to the development of a user-friendly locomotive fault monitoring system.

For Andrew, the best part of his job is the supportive and friendly team at Loop. He considers them a second family, and working alongside them feels more like pursuing a common goal than a typical job. He enjoys the large variety of tasks in his work and appreciates the absence of a daily grind in his job.

Andrew is driven by his love for what he does, his dedication to producing high-quality products, and his customer-centric approach. He values pushing himself to do his best, ensuring the utmost quality and customer satisfaction while maintaining a genuine passion for technology.

Outside of work, Andrew is a family man and spends a lot of time with his two grandchildren. He enjoys going on long walks, mountain biking, and playing golf, however, since the arrival of his grandchildren, activities with them have become his primary focus.

Andrew Patterson's journey from IT support to becoming a dedicated Production Assistant at Loop is a testament to his passion for technology and hands-on work. Andrew's love for his job, commitment to quality, and customer-centric approach shine through in his work, benefitting customers as well as Loop.

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