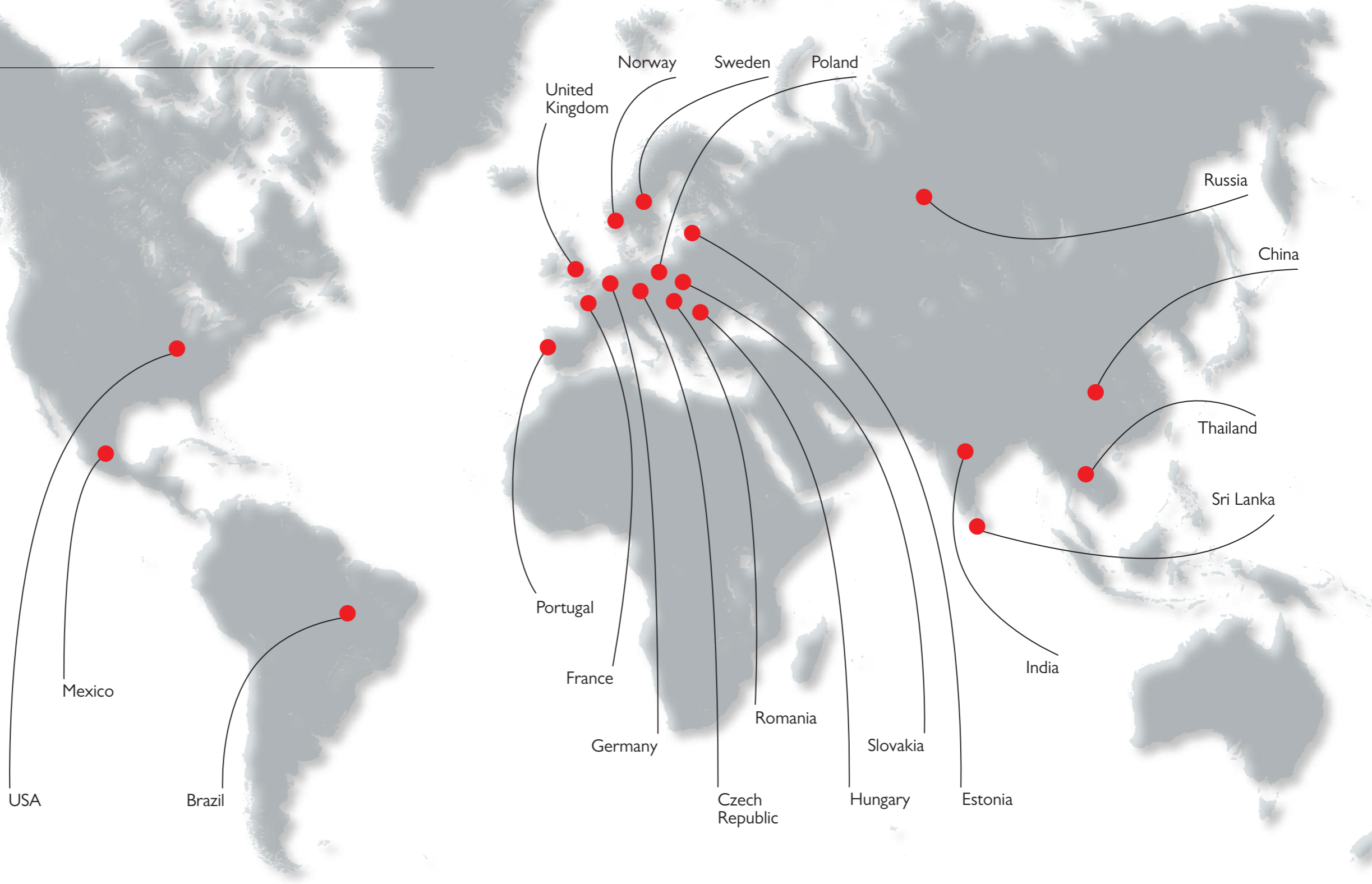




WHAT WE  
CAN DO FOR YOU

AUTOMATE INNOVATE INTEGRATE

ALPHR Technology has 30 years of global experience in providing an industry-leading range of test solutions, innovative complex assembly, portable test equipment, standard products and capturing complex data, to deliver flexible and bespoke automation solutions. Our support is global and our expertise runs from end-to-end.





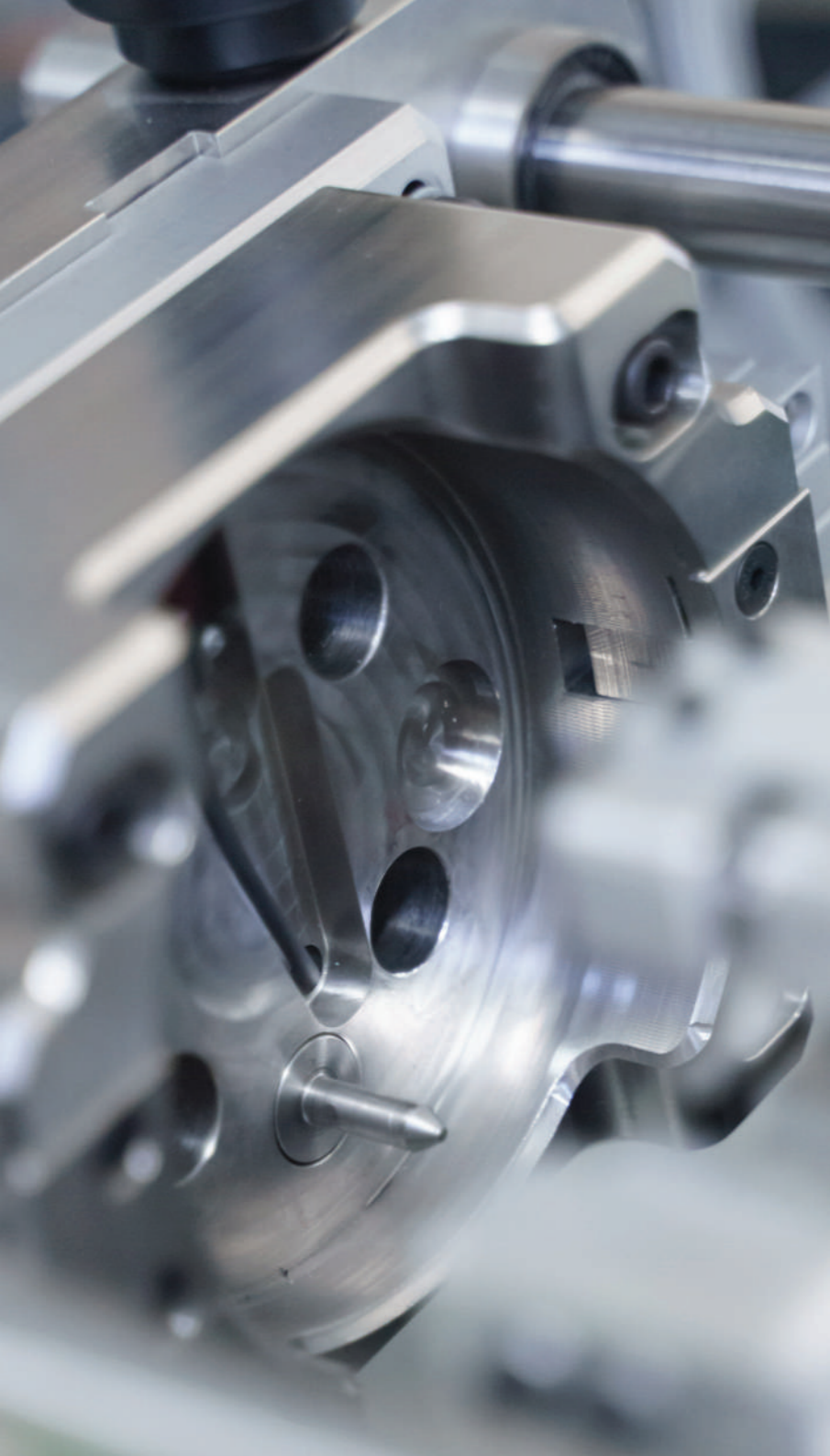
## INTRODUCTION

We believe the future of manufacturing lies in gathering and analysing ever more complex data. This data offers invaluable insights, not only in terms of traceability and the origin of components, but also their production lifecycle.

By embracing the analysis of complex data, not only are we able to ensure robust engineering solutions, but also a means of continuing to refine what we are able to offer our clients in the future.

Putting all this into practice, our team of mechanical, electrical and software engineers, alongside our production and project managers, means that we can offer a full range of mechanical and electrical engineering, design, machining and assembly capabilities, in-house.





## AUTOMATE

We are passionate about automation. We understand the advantages of automation and the use of robotics – how these can transform product assembly and testing, as part of any manufacturing process; whether it is improving a manual process; the use of robotics and cobotics; automating part or all of a process; and transforming manufacture through the innovative use of automation.

The benefits of automation are improvements in quality, speed and accuracy, improved health and safety for your team, increased productivity and value for money – all of which contribute to greater competitiveness for your business.





## ROBOTICS

We believe in careful, considered, robotic solutions. Our consultation process ensures that robot cells are deployed in a safe, reliable, maintainable and cost efficient manner. ALPHR software integrates the robot into the overall control structure of the production line, to ensure the greatest benefit from an investment in robotics.

## COMPLEX ASSEMBLY

We know that the automation of any assembly process requires understanding of the complexities involved, repeatability and above all, precision. Our experience ranges across the development and deployment of a wide variety of complex manual, semi-automated and fully automated assembly solutions, including the use of robotics.



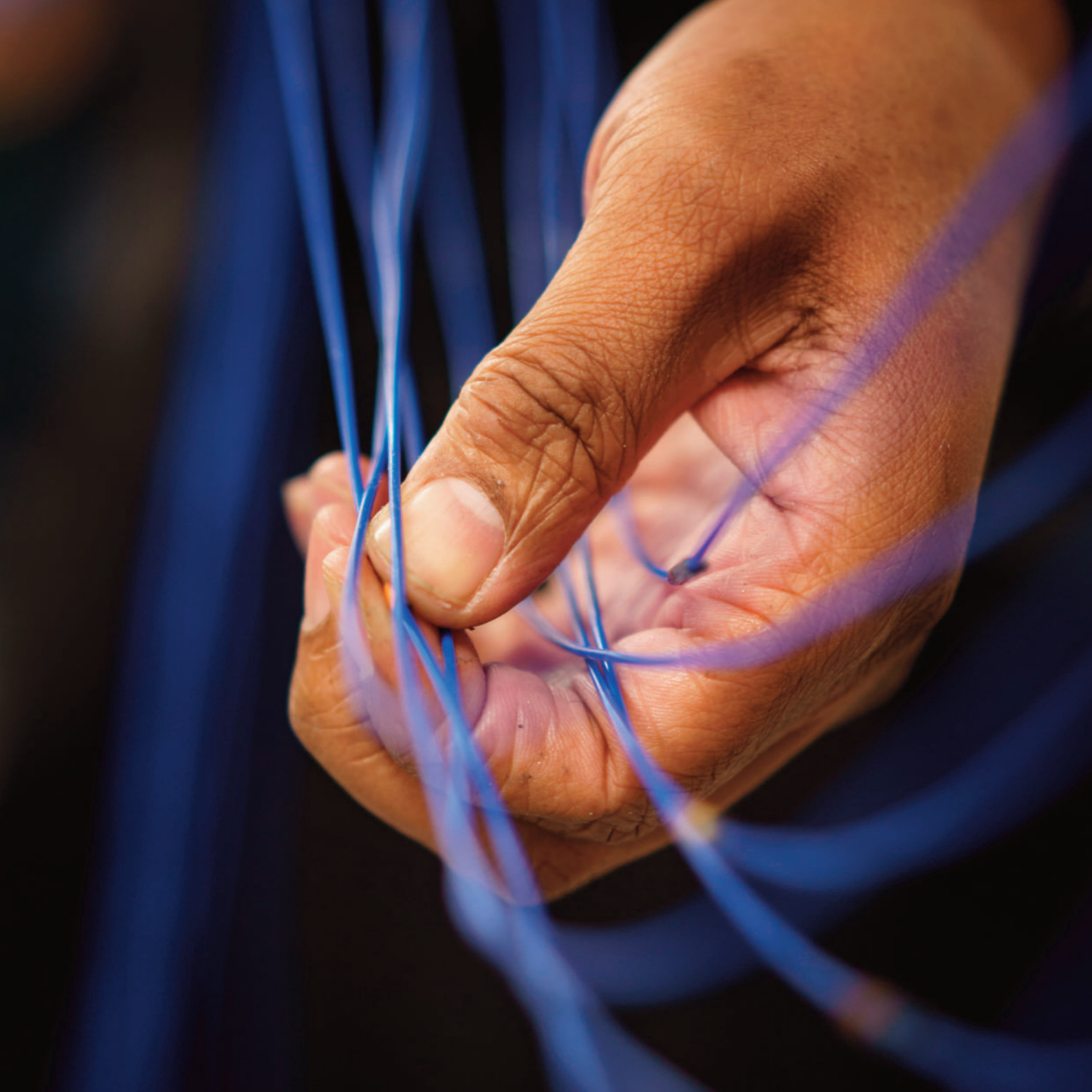
## INNOVATE

We are continually working to ensure our place at the cutting edge of automation technology. With our experience and expertise, ALPHR is also committed to understanding emerging technologies and evaluating their use in the automation of complex manufacturing processes.

We believe that emerging technologies such as laser, laser diode, LiDAR, smart factory, augmented reality and 3D printing, offer real gains to our clients, when correctly targeted and implemented. We work with industry bodies, leading suppliers and universities to develop this emerging technology into machines for the production environment.

An example of this use of innovation, is in the field of 3D printing/additive manufacturing. We offer the provision of wear parts using 3D printing technologies, to provide our clients with faster and more flexible turnaround times. Our philosophy is to provide more geometrically complex fixturing by utilising the advantages offered by this technology.





## INTEGRATE

Over the years, we have developed our skills to integrate automation products into complex assembly and manufacturing environments. It is critically important to equipment performance, that appropriate hardware is integrated into any machine or production line.

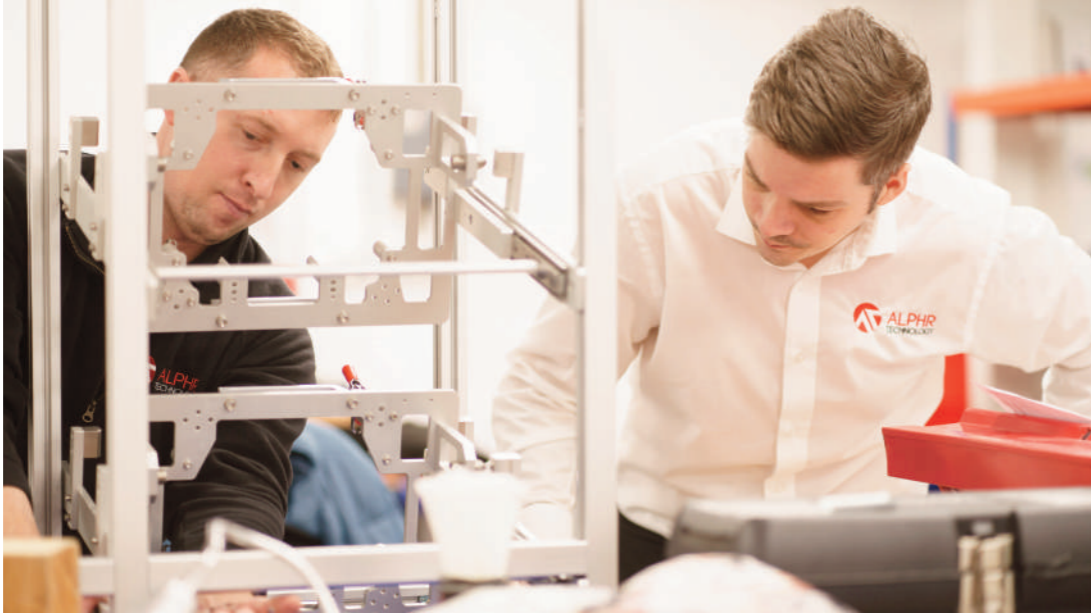
At ALPHR, we work with a variety of hardware partners to specify the most appropriate equipment for the task and ensure that both the project brief and specification are met.

Our expertise enables us to truly understand the manufacturing process and through the collaborative way we work with our clients, provide the right technology, designed to deliver results that exceed expectations.



CONSULTATION  
COLLABORATION  
CARE

We know that just as every automation cell we design and deliver is unique, so the support we offer needs to be tailored. We believe that collaboration is the key to providing the very best support. Using SWARM methodology, we aim to use our collective expertise to resolve issues as quickly and efficiently as possible.





## SMART THINKING

We believe ALPHR Technology has the experience and expertise necessary to partner your business in the transformation of its current operation, to that of a smart factory.

We see smart factories as the intelligent use of technology to support what you already do well, improve production efficiency and flexibility and help make your business more agile.

The automation of parts of the production process, can not only help safely support your team in their work, but maximize productivity and improve the quality and sustainability of your products.





## BIG DATA MEANS INFORMED BIG DECISIONS

The data that can be gathered by adopting the smart factory model, means that your production process will benefit from being able to management, leading to increased visibility and transparency across the production process, supply chains, distribution chains, business performance and products.

We can gather data from the automation cells and integrate this into your databases in real-time, so that your decisions are made based on meaningful data from performance and throughput. This data can be used for future business modelling and even personalization and customization for your customers.



## AUTOMATION LEADS TO INNOVATION

By accessing our expertise, you will benefit from increased opportunities to innovate - through changing processes, developing new products, optimizing the supply chain and improving overall equipment effectiveness

## INTEGRATE AND INCREASE THE COMFORT ZONE

Automation expands the production comfort zone with advanced maintenance and monitoring and almost zero unplanned downtime. By integrating complex data gathering into your production process, components can be traced, production life predicted, and quality issues easily identified.



## SUPPORT TO SUIT YOU

We can optimize the support you need. By monitoring automation cells, equipment maintenance becomes much easier to predict, providing you with industry-leading uptime and performance.



## LAST WORD

We believe ALPHR Technology has the power to enable - that automation and software can be integrated seamlessly into your production process – innovation that can take your business forward to a smarter future.





# ALPHR TECHNOLOGY

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