



WELCOME TO
FermionX

MANUFACTURING

ABOUT US

Our 50 years' experience ranges from PCBA and sub assemblies, to fully integrated box build, test and shipping fulfilment.

We bring together a wealth of skills for the world of product manufacturing, supporting our partners with their production growth ambitions.



MEET THE TEAM



Gary Rice

As Technical Sales Manager, my role is to assist you with all of your technical onboarding requirements



Scott Jones

My role as Business Development Manager is to liaise directly with you regarding all aspects of your journey with us

NEW FOR 2024

In order to further enhance our capabilities and production growth for our customers, we are proud to announce that we are now **ISO 13485** certified.

By updating our premises as well as our software systems, our certification assures you of the highest quality standards. Reducing product risks, improving traceability and ensuring safe and effective products that can be relied on in critical environments.

01.

OPTIMISING YOUR PRODUCTION

We can provide the manufacturing support needed to help grow your production

02.

DELIVERING QUALITY

We are committed to the highest standards of system and process controls

03.

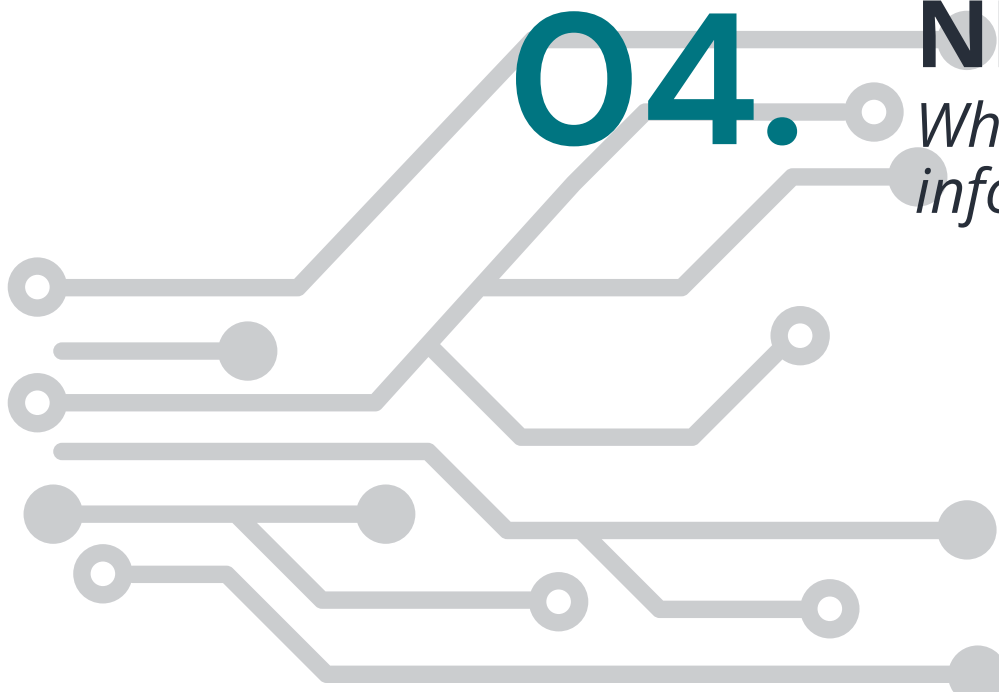
WORKING WITH YOU

Our open communication with customers ensures that your journey with us is built to last

04.

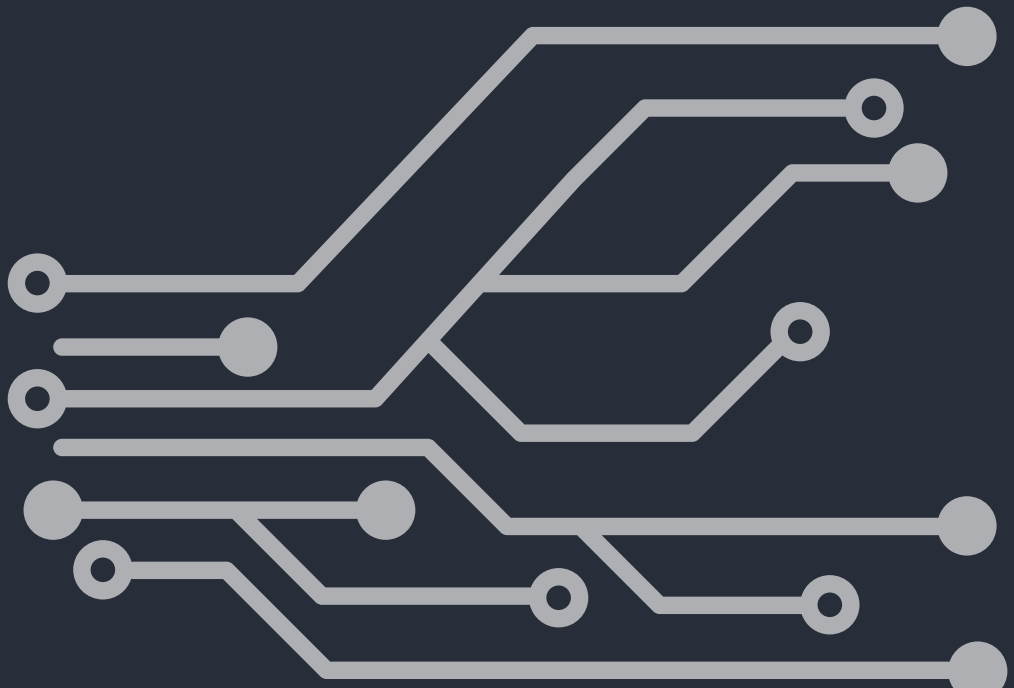
NEXT STEPS

What's next? Where to find any additional information and who to contact.



01.

OPTIMISING YOUR PRODUCTION



PCB ASSEMBLY

FermionX has an extensive PCB assembly service capability which allows us to successfully support from basic to the most complex circuit design, tailored to suit your requirements.

- Surface mount assembly
- Conventional PCB assembly
- Sub-assemblies
- Quality control
- Full inspection and test



BOX BUILD ASSEMBLY

Our box build service provides bespoke solutions to fit your needs. From simple PCB and cable-fitted sub-assemblies, to integrated enclosures with electromechanical assembly.

- Review of all documentation
- Testing/programming specifications
- Traceability requirements
- We can also support on product branding and packaging to fit global distribution requirements





MEDICAL INDUSTRY CASE STUDY



01. THE COMPANY

Our customer is a medical technology company that produces blood monitoring and fluid management equipment for surgical operations. Having been in operation for over 20 years, their principle in fluid and drug administration is designed to result in longer life for patients and shorter hospital stay.

02. OUR SOLUTION

Our operations team communicates directly with their counterparts, meeting frequently and keeping them informed. They help the customers' engineers make the right decision by warning them about obsolescence of components, We additionally invested in X-ray inspection to further improve our service for them.

03. THE JOB

After working with non-communicative suppliers in the past, our customer wanted a supplier who could make their PCBs and offer a reliable service. They needed a supplier who could deliver consistently, and have a direct line of contact with their operations team on ground. Their product requirements involved SMT, conventional PCB assembly and X-ray inspection.

04. OUTCOME

We have now been working closely together for over 13 years. So far we have assembled 12028 PCBs and approximately 3 different products for them in 2023. Our relationship continues to grow as they become increasingly satisfied with our team's capabilities and effective communication.

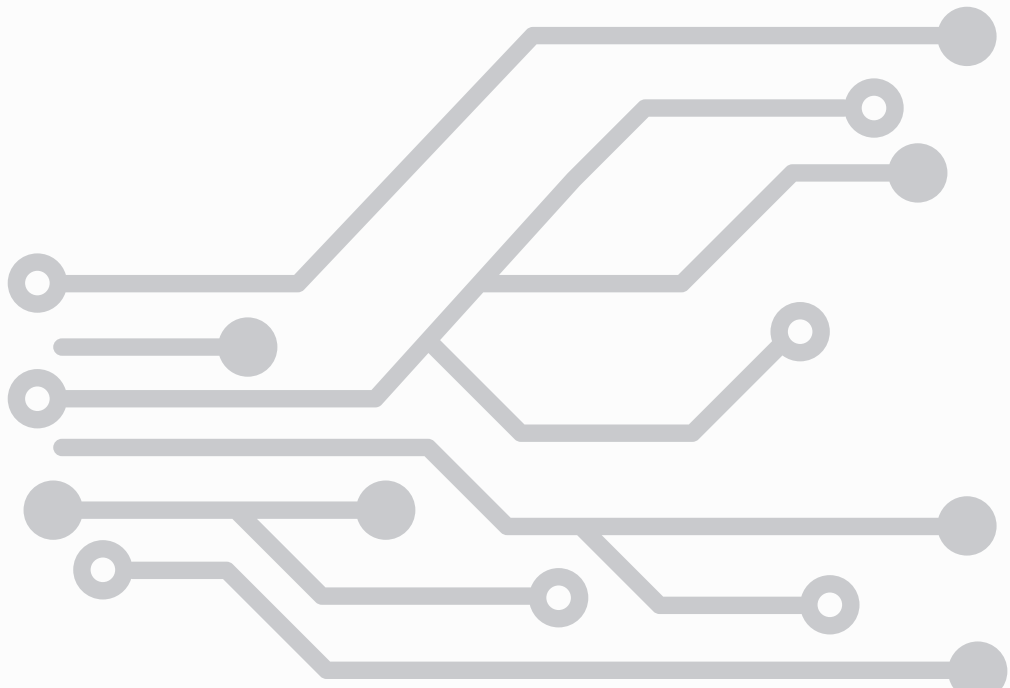




"WE CAN CONFIDENTLY GO TO FERMIONX TO TALK ABOUT OUR NEEDS AND THEY WARN US ABOUT OBSOLESCENCE OF COMPONENTS.

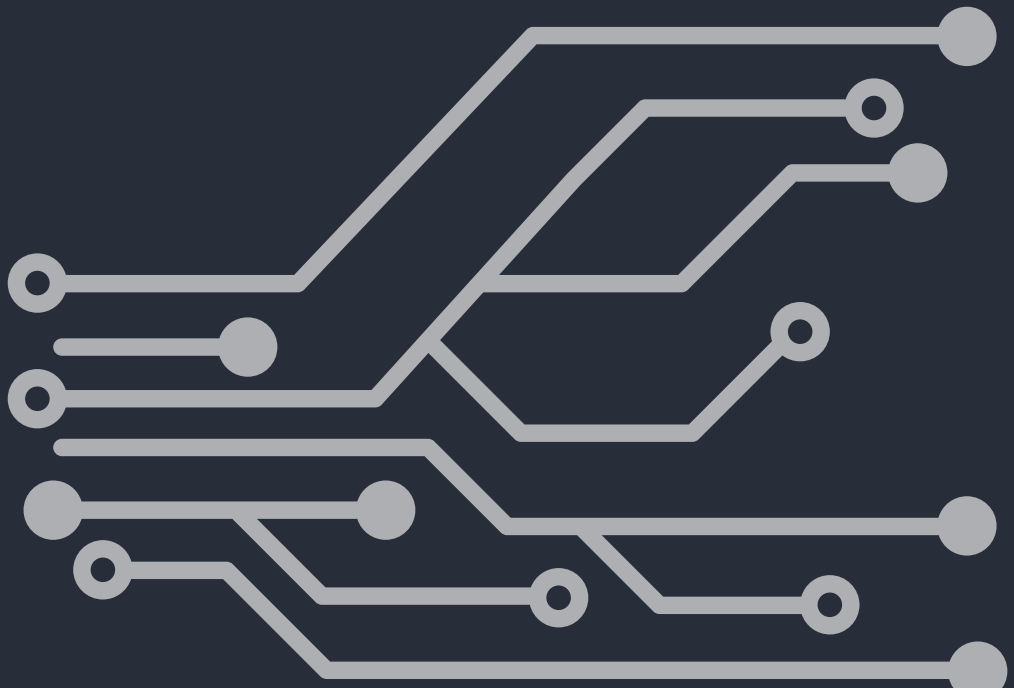
THEY COMMUNICATE WELL WITH OUR TEAM, SO THAT WE KNOW EXACTLY WHERE WE ARE WITH OUR SUPPLY."

**Medical Industry Partner
Supply Chain Manager**



02.

DELIVERING QUALITY



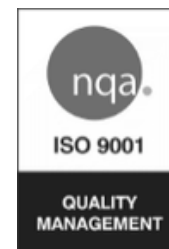
MAINTAINING HIGH STANDARDS

We work proactively to identify, mitigate and resolve any risks to your production.

FermionX holds **ISO 13485**, **ISO 9001** and **IPC-A-610, J-STD-001** certification.

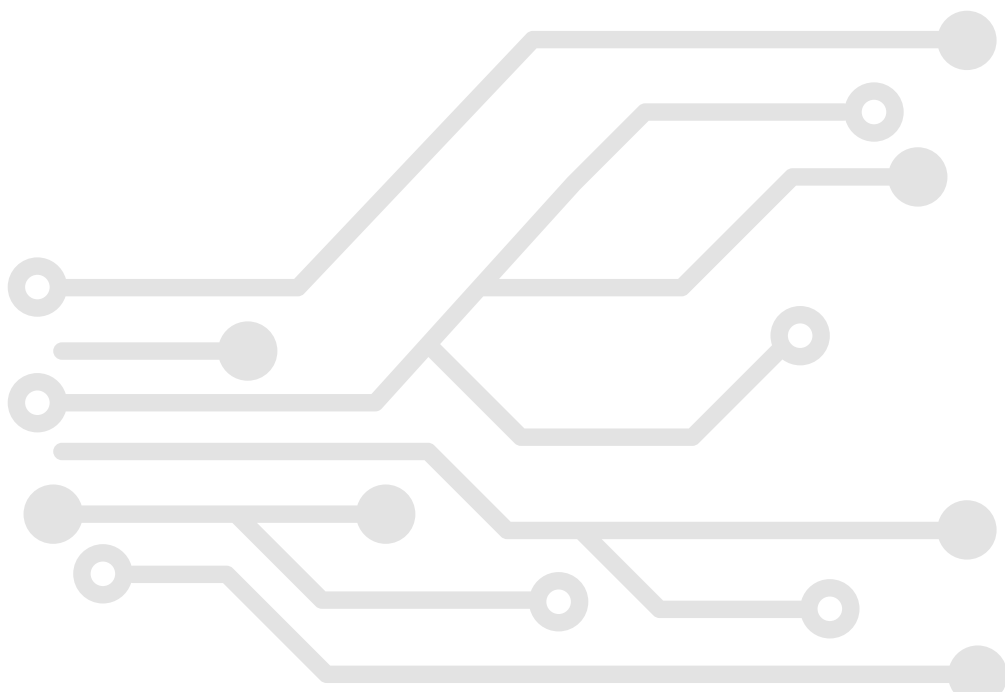
We also operate to the requirements of ISO 14001 for environmental management systems.

We have a rigorous culture of quality control through our process control systems and supplier partnerships.



TRACEABILITY AND PLANNING

In order to achieve **ISO 13485** certification and improve our overall quality processes and traceability, we've invested in a new ERP/MRP system. This plans out production timelines and provides you with transparency in sourcing components and their origins.



ENHANCED PRODUCT PROTECTION

We've also implemented stringent EPA protocols, including access control testing. ESD protection equipment and lab coats have been provided to all production staff. Air conditioning has been implemented to ensure that our factories are fully climate controlled.



TRAINING

We have an internal IPC-A-610 and J-STD certified trainer for continuous training for our production staff.

We also offer ongoing training support for all of our team the chance to upskill or retrain in new areas and support career development.

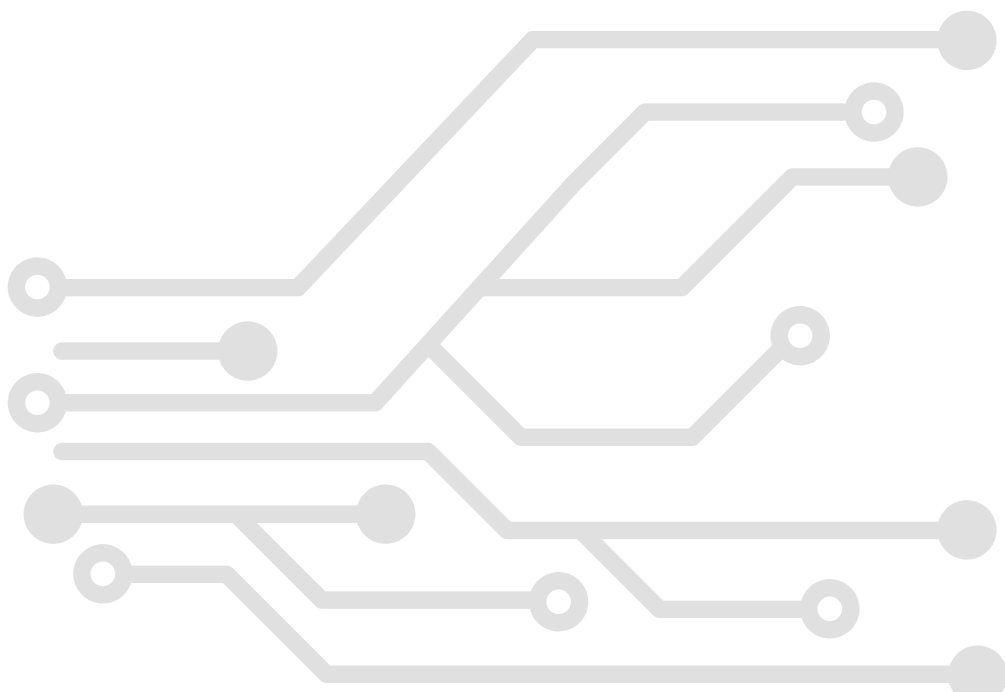
SUPPLY CHAIN

Our supply chain management experience and network of trusted suppliers ensures you receive technical advice as well as reliable products.

At FermionX we offer sourcing support when components become obsolete. If an end-of-life notice has an impact on your product(s) our team proactively source and provide you with a minimum of 1 alternative.

CLEAR COMMUNICATION

We can track the status of your production from start to finish, providing you with real-time updates. As you will always be in the loop, you can trust that your production is on track.



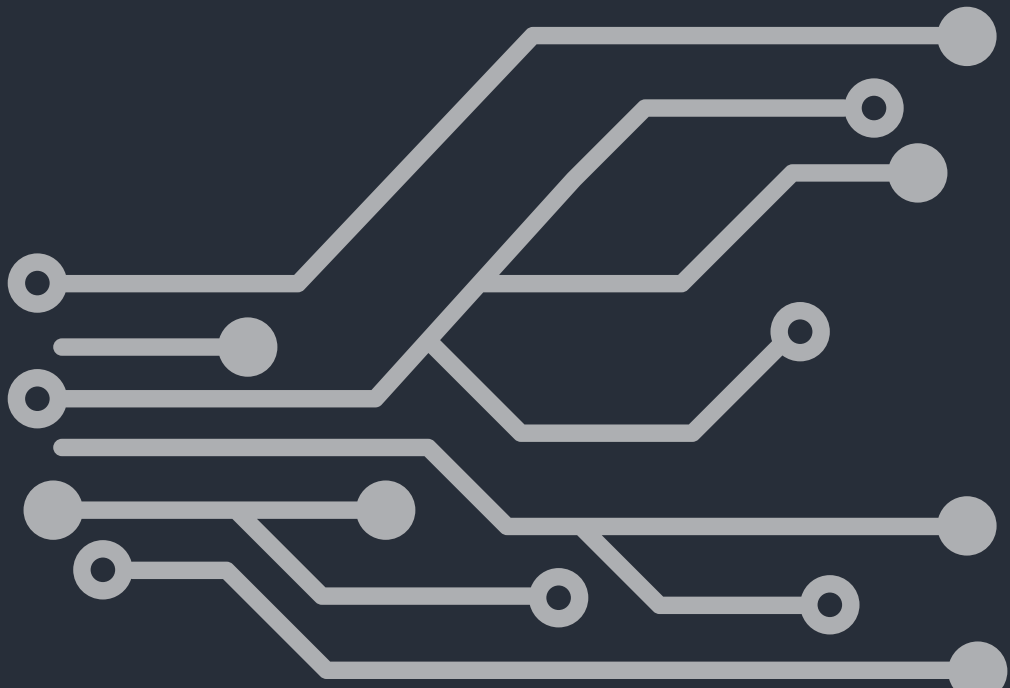
INCREASED CONFIDENCE

Rest assured that you're working with a CEM that is dedicated towards continuous improvement and delivering high-quality products. By leaving the manufacturing expertise in our hands, customers can focus on their core competencies.



03.

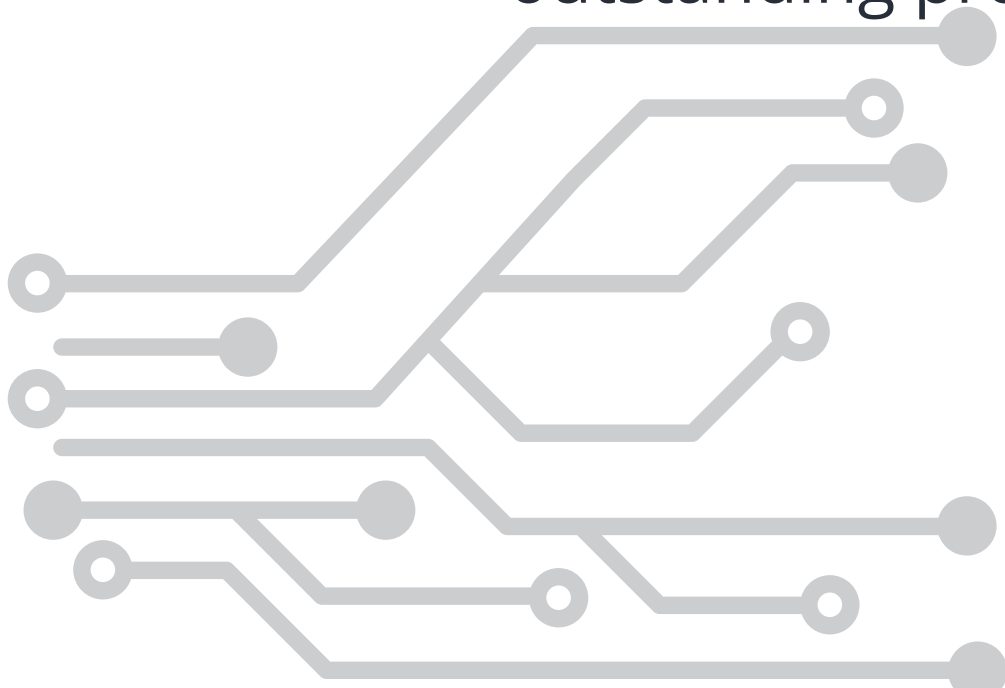
WORKING WITH YOU



OUR PROCESSES

Our transparent and open communication ensures that your journey from idea to finished product with us is streamlined with full control of your product.

We work proactively to identify and diminish risks to your production and supply chains, guaranteeing consistent outstanding product support.



1

Request for quote

Your specification requirements and documentation will be set up on the system to be reviewed.

2

Process Control Review

Data and documentation are reviewed to ensure completion and confirm the project's fit for manufacture.

3

Supply chain management, costing and agreement

The cost and lead time of the job will be estimated via our network of trusted suppliers and quote sent for customer approval.

4

Engineering and process control

Our Engineering Team will fully review the job to be signed off. After sign off, tooling and stencils will be ordered and production/ inspection packs released.

5

Production

Once stores have received and kitted the components the job is programmed into the relevant machines and production will start.

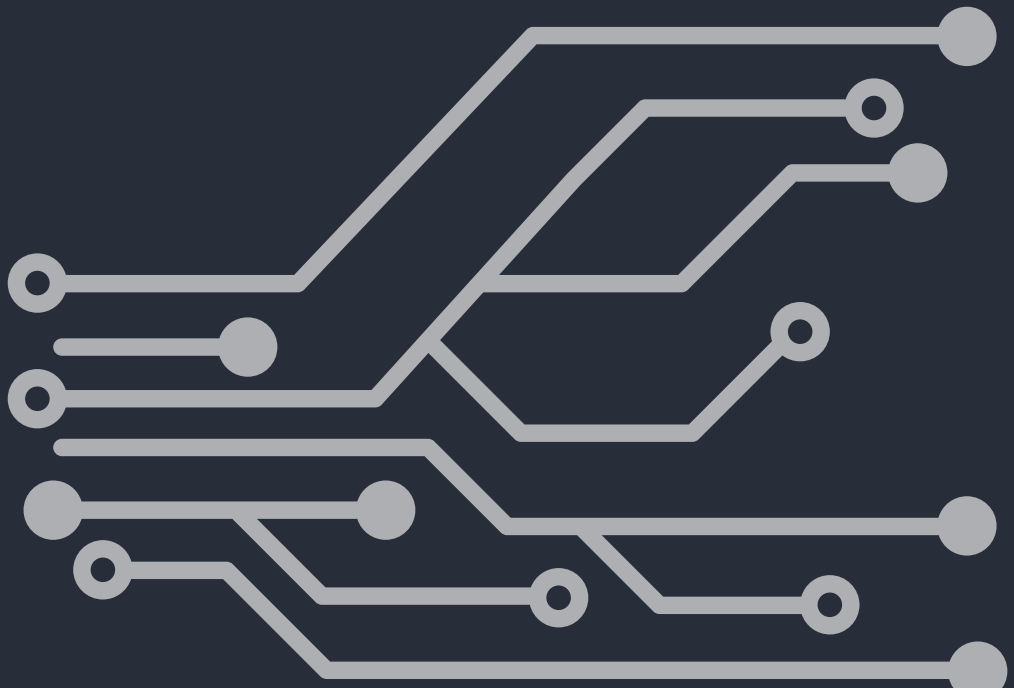
6

Final product and shipping

Once the product has been approved it will make its way to the dispatch team who will arrange for delivery via our chosen network of trusted logistic partners / suppliers.

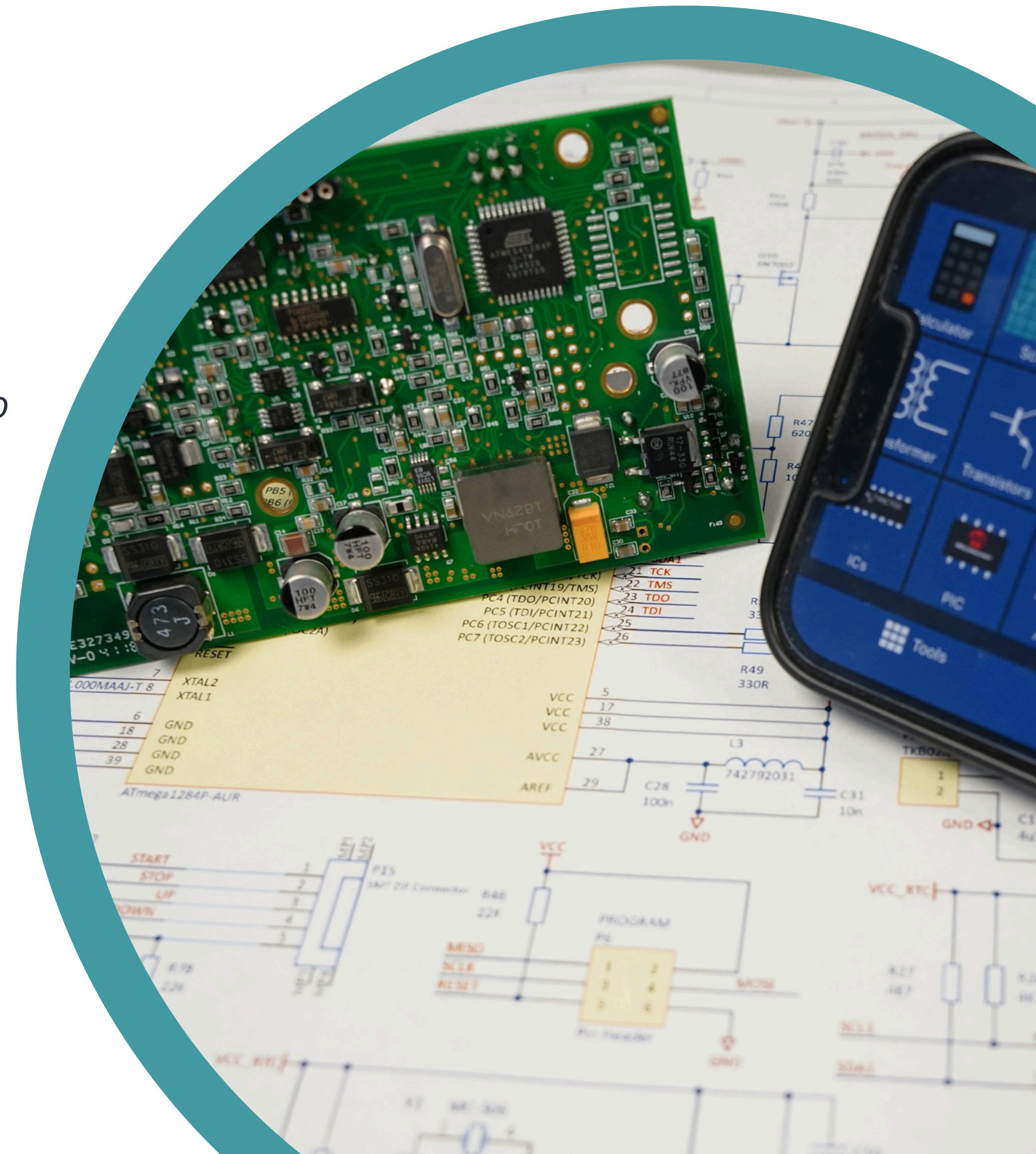
04.

**WHAT ARE THE
NEXT STEPS?**



Next steps

- 01. ARRANGE A MEETING**
We can catch up via teams - or if you'd prefer to meet in person, we'd be happy to welcome you here (with a light lunch) or come and visit you.
- 02. SHARE TECHNICAL SPECS**
If you require an NDA, please feel free to send yours or we can share our standard agreement. Send over any technical queries or documentation that you would like reviewed by our team
- 03. GET IN TOUCH**
We're happy to help and are on hand to support you with any questions you have.





THANK YOU