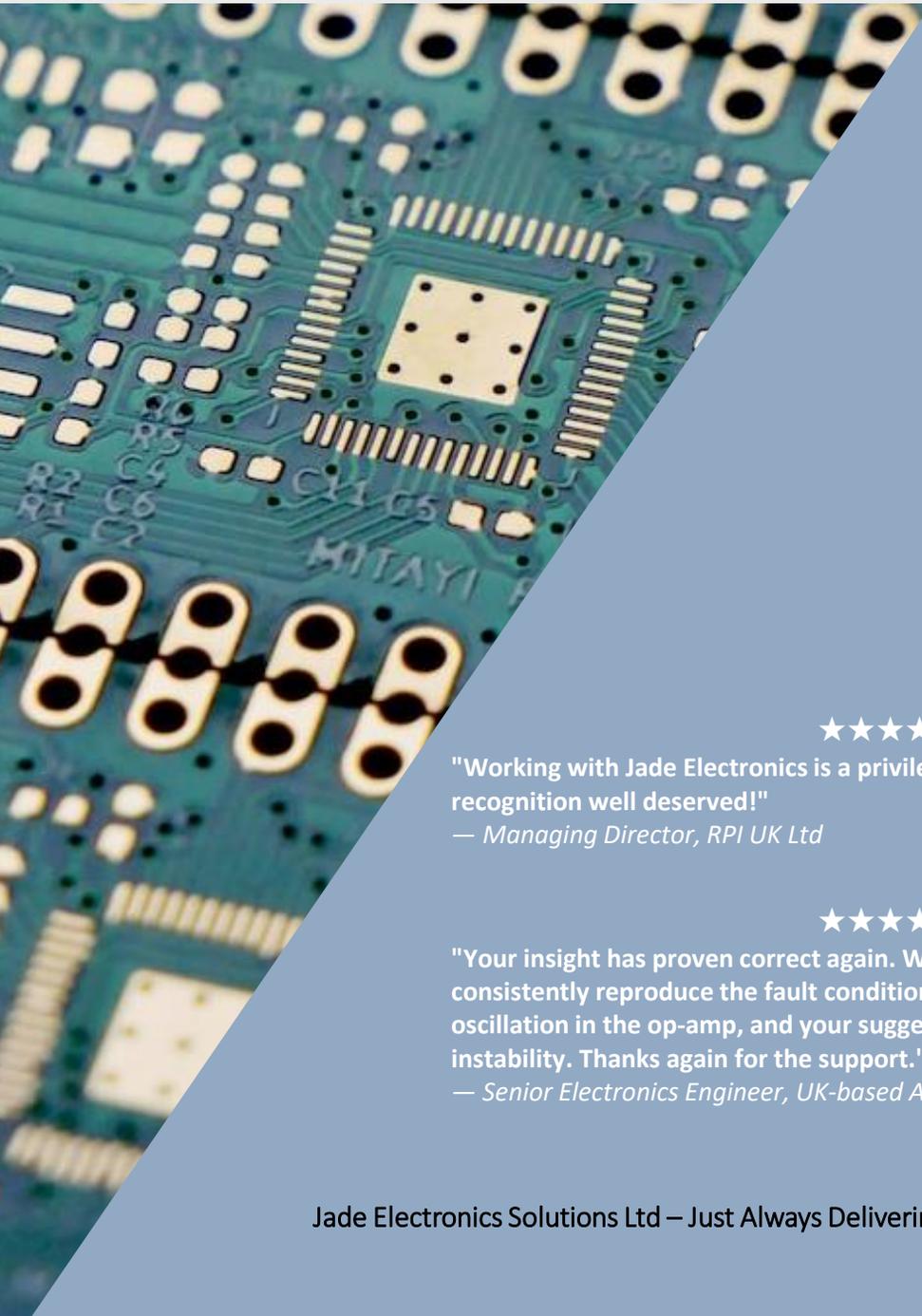




JADE ELECTRONICS

SOLUTIONS LTD

Company Profile



"Working with Jade Electronics is a privilege. Congratulations to Jonathan - recognition well deserved!"

— *Managing Director, RPI UK Ltd*



"Your insight has proven correct again. With your guidance, I was able to consistently reproduce the fault condition. The issue was isolated to oscillation in the op-amp, and your suggestion led directly to identifying the instability. Thanks again for the support."

— *Senior Electronics Engineer, UK-based Aerospace Instrumentation Company*

Jade Electronics Solutions Ltd – Just Always Delivering Excellence



Vision & Mission

Our Vision

- To become the UK's most trusted **Tier 1 multi-sector sovereign ecosystem EMS organisation** and the innovation centre of the South West - where high-reliability manufacturing, engineering excellence and next-generation technology development operate under one disciplined, UK-controlled foundation.
- To strengthen the UK's sovereign supply chain through electronics manufacturing that **exceeds industry standards**, supports the long-term resilience of prime-led programmes, and delivers aerospace-grade governance, traceability and quality.
- To build deep partnerships with prime companies, universities and research institutions, support apprenticeships and experience transferral, and establish an **Institute of Quality Manufacturing** that advances skills, innovation and capability for future generations.



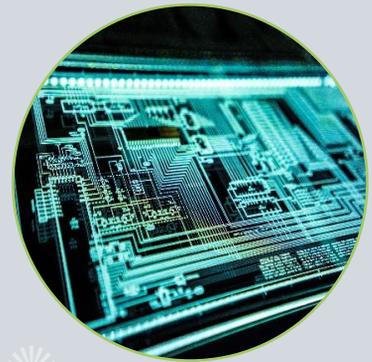
Our Mission

- To combine decades of hands-on expertise with modern, controlled manufacturing systems to deliver electronics solutions that are **precise, reliable and built to last**.
- To apply disciplined NPI, integrated manufacturing capability and a relentless focus on reliability so that Jade contributes meaningfully to the UK's engineering and innovation ecosystem and delivers world-class technology and OEM products worldwide.



About Us

- *Jade Electronics Solutions Ltd is a **UK high-reliability electronics manufacturing partner** built around **AS9100D-level process discipline, SC21 alignment, and ISO9001-accredited quality management**. We specialise in **NPI, legacy support, and low-to-medium volume complex assemblies**, delivering aerospace-grade governance, traceability and build quality across every sector we support.*
- *Founded on **decades of hands-on engineering and manufacturing experience**, Jade provides the disciplined control normally associated with prime-level organisations, combined with the responsiveness and technical intimacy of a founder-led environment. Commercial customers benefit from the rare combination of **aerospace-grade discipline** delivered with the agility required for rapid development and evolving programme needs.*
- *Our most recent audit returned **zero non-conformities and 14 positive observations**, reflecting the strength of our documentation control, supplier assurance and quality management systems. This disciplined approach underpins every build, from early-stage feasibility through to production and lifecycle support.*
- *We support defence, aerospace, medical, industrial and commercial programmes with the same high-reliability approach to manufacturing excellence. Our capabilities include **high-reliability PCB assembly, complex electromechanical integration, disciplined NPI support, controlled documentation and traceability, box build, cable assemblies, and fully engineered on-site manufacturing with quality and legacy control**. This reduces risk, adds value, and ensures continuity throughout the entire product lifecycle.*
- *Our long-term vision is to become a Tier 1 multi-sector sovereign ecosystem EMS organisation and innovation centre of the South West, built through service excellence, partnerships with primes and universities, support for apprenticeships, and the development of an institute of quality manufacturing that exceeds IPC standards.*
- *As we grow, we are establishing innovation pathways and future-facing capabilities to support next-generation technology development and OEM product creation — ensuring Jade contributes meaningfully to the UK's sovereign engineering and manufacturing ecosystem and delivers innovation worldwide.*



Our Capabilities

- **Driven by Excellence, Focused on Innovation**
- Our team continually strives for perfection, supporting world-renowned clients who trust us to bring their concepts to life with precision and discipline.
- We combine customer-focused engagement with deep technical expertise, offering both targeted support and full turnkey solutions.
- We provide end-to-end professional contract electronics manufacturing services, always keeping quality, traceability and customer requirements at the forefront.

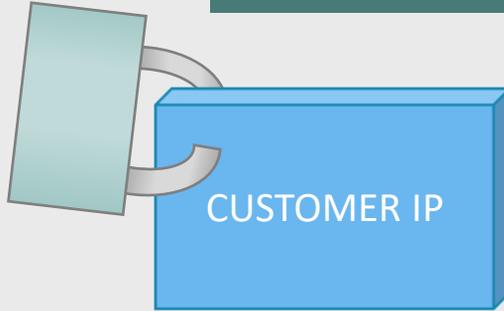


Services



IP ALWAYS PROTECTED

Before receiving any customer data, we issue NDAs and contracts. All information is onboarded through secure, controlled systems to ensure full IP protection.



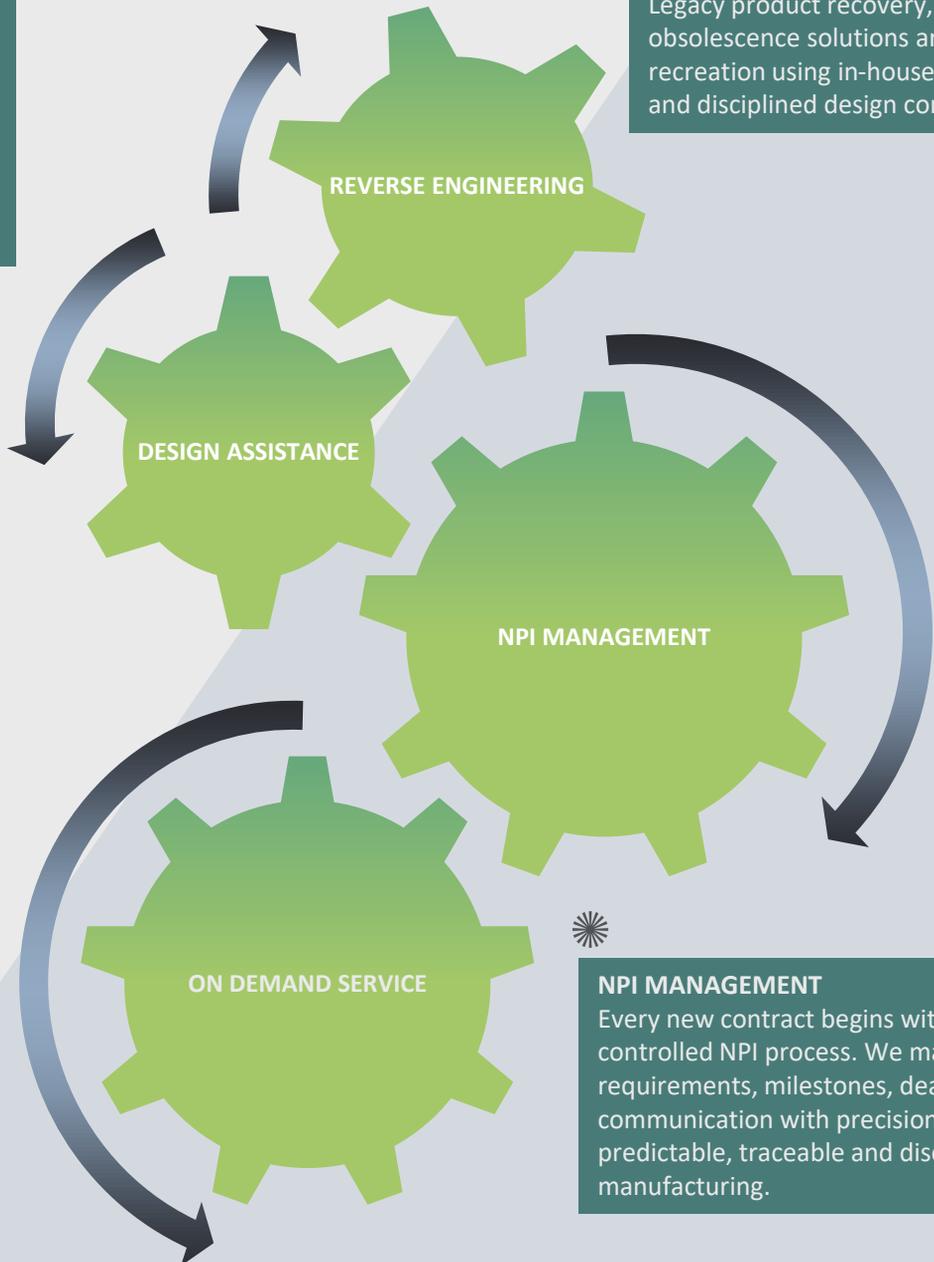
DESIGN ASSISTANCE

Support for all levels of design maturity — from value engineering to complex HV, MOD and aerospace requirements. We work across multiple software platforms and manufacturing techniques to turn concepts into reality.



REVERSE ENGINEERING

Legacy product recovery, obsolescence solutions and circuit recreation using in-house expertise and disciplined design control.



ON DEMAND SERVICE

Flexible capacity for rapid turnaround, overflow support, tooling, PCB manufacture and accelerated routes to market.



NPI MANAGEMENT

Every new contract begins with a controlled NPI process. We manage FAIR requirements, milestones, deadlines and communication with precision to ensure predictable, traceable and disciplined manufacturing.

Manufacturing Services



THROUGH HOLE ASSEMBLY

Aerospace, MOD, IPC, odd-form, clinches, press-fit, thermal relief, staking, masking, coatings and critically clean builds — all performed using disciplined, high-reliability methods.



EXTENDED SERVICES

Conformal coating, washing practices, specialist test, non-destructive testing and other advanced processes.



CABLE ASSEMBLY

General, multicore, HV, aerospace and MOD-grade assemblies produced rapidly to documentation. We can design, build or source competitively as required.



SURFACE MOUNT ASSEMBLY

Automated SMT using modern machinery, expert practices and full inspection control.



BOX BUILD

Radius profiles, service loops, banding, shrinking, crimping and full mechanical integration using aerospace-grade techniques.

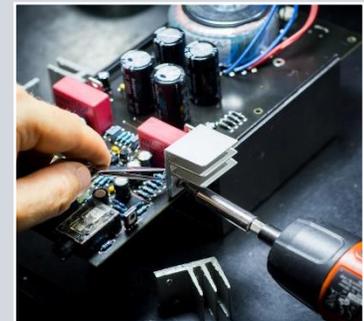
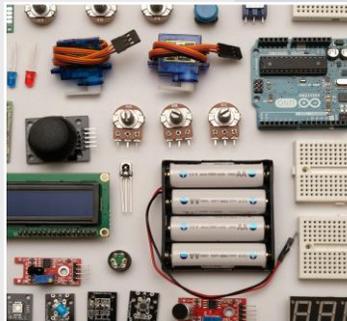
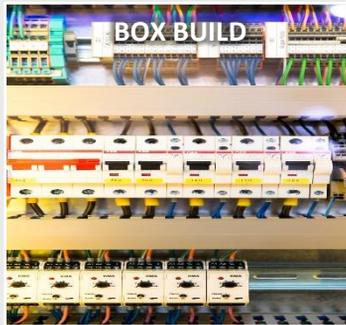
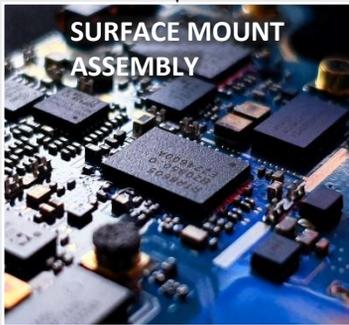
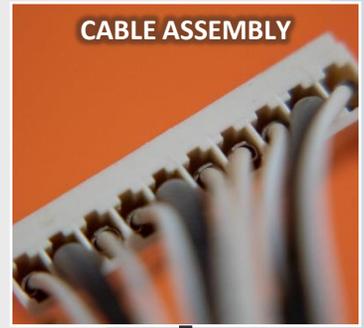


QUALITY REPORTING

From IPC Level 1 to Level 3 - mission or life-critical - all services are controlled using strict quality checks at multiple strategic points.



Manufacturing Services



PROGRAMMING & TEST

- In-circuit test, functional test, custom jigs, programming, test logs and on-the-fly test development.



BESPOKE ASSEMBLY

- Critical cleanliness, conformal coating, value engineering, reverse engineering, pre-manufacture analysis, custom metalwork and specialist builds.



FINAL ASSEMBLY

- Torque-controlled tools, disciplined mechanical integration and engineering-led form, fit and function.





Meet Our Founders

Jade Electronics was founded by **Jonathan and Charlotte Dixon**, bringing together decades of engineering, manufacturing and business leadership. Our team is built on the belief that excellence is a discipline - and that every customer deserves precision, transparency and a partner they can trust.

We bring together seasoned professionals across manufacturing, design and project control, united by a shared commitment to innovation, quality and the future of UK engineering.



Jonathan Dixon

Founder - Managing Director.



Charlotte Dixon

Founder - Managing Director.



Quantity With Quality

- We guarantee controlled quality through disciplined process engineering, performance indicators and refined manufacturing practices.
- We operate within a **Lean Six Sigma** environment, using KPI systems and continuous improvement to align with customer expectations.
- Our **8D methodology** and software-driven manufacturing ensure consistency from prototype to production.
- **100% quality and 100% yield** are our constant goals and cultural expectations.
- At Jade, excellence is not an aspiration - it is a lived practice.



Our Quality

- We provide a professionally controlled, traceable service from start to finish using advanced inspection equipment and proprietary process control software.
- We work beyond IPC standards and follow **AS9100D aerospace practices**, ensuring the highest levels of compliance.
- Our optimised processes deliver superior quality, faster turnaround times and reduced manufacturing costs.



Continuous Quality Performance

We are a multi-award-winning company committed to continuous improvement and customer security.

Awards include:



We incorporate:

- UKAS calibration
- Traceability & UL
- FAIR services
- RoHS, CoSHH, WEEE, REACH
- ESD practices
- Lean, Kaizen, 5S
- Six Sigma
- 8D
- IP protection
- SSL
- FIFO & MSDS practices



Conformities & Accreditations

We operate using a customer-focused professional quality approach refined from over 50 years of combined experience.

Practices include:

IPC-A-610/620

AS9100D

CYBER ESSENTIALS

VITA

J-STD-001

AS9102 FAIR

SC21

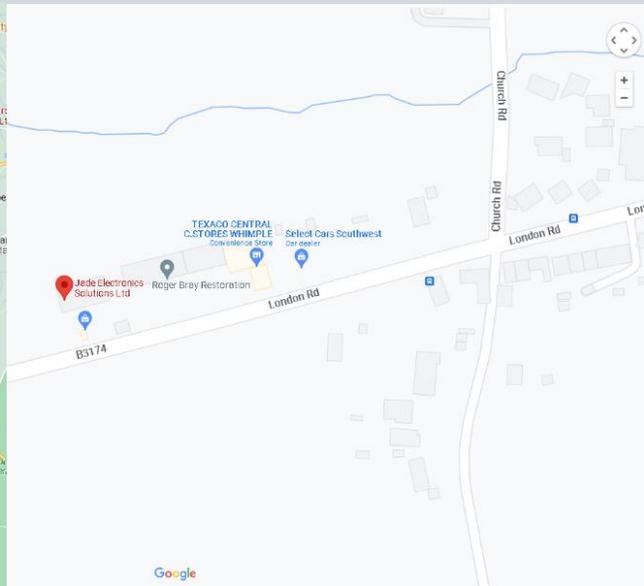
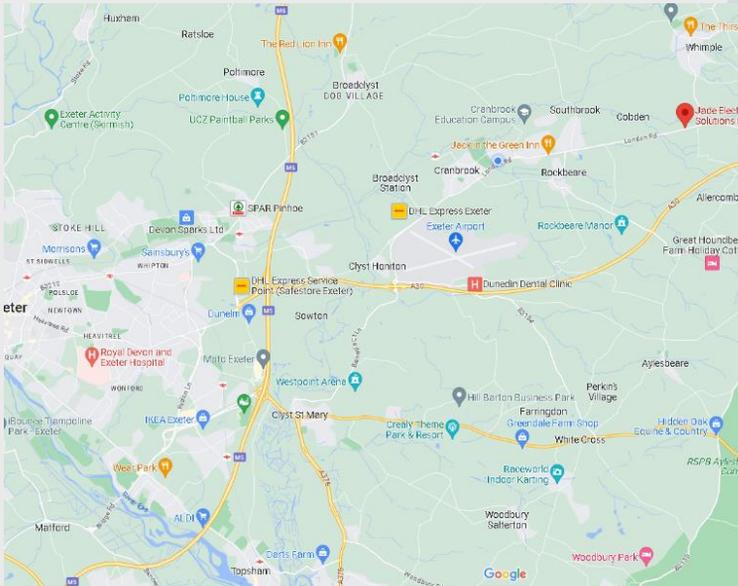
SMEUNITE

Recent Accreditations:

- ISO9001:2015
- JOSCAR Registered
- ICO Registered (with internal DPO)
- Armed Forces Covenant Pledged
- WEAFF Member (soon to be ADS South West, details coming soon..)



Contact Us



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