

# ENGINEERING SERVICES

## ELECTRONIC SUPPORT

# ASL

### EXTENDING THE LIFE OF ELECTRONIC SYSTEMS

A highly skilled service for the maintenance and life extension of high and low value electronic circuits and LRUs. At ASL, we extend the life of electronic systems through repair, refurbishment and re-manufacture solutions.

Our integrated service encompasses materials supply, repair, refurbishment, reconditioning, re-manufacturing, fault finding, confidence testing and software development. We identify components that have degraded or are at risk of becoming obsolete, replacing them with exact or direct equivalents.

#### Our electrical support service covers:

- / The clear identification and correction of failed components or assemblies
- / The accurate fault finding and repair using advanced techniques
- / Proven processes and knowledge for 40+ years
- / The design, supply, installation of complex electrical and electronic equipment

With the ever depleting stocks and degradation within wiring systems and control equipment, ASL has the proven skills to replicate, refurbish and develop test and control functionality.

### REPAIR

We provide accurate fault finding using OEM functional tools and advanced in-house techniques producing accurate identification of defect components and systems. This approach ensures most electronic circuits can be supported by:

- / Fault diagnosis
- / Effective repairs by skilled technicians
- / Fault repaired and/or component replaced with generic component or direct equivalent
- / Repairs and Rework to IPC standards
- / Cost effective service
- / Develop functional test process
- / Warranty on repairs
- / Circuit tested for confidence
- / End-of-life maintenance cover

### CLIENT AND OEM SUPPORT

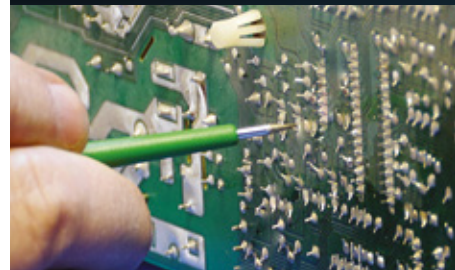
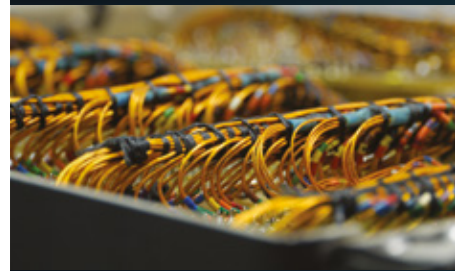
**ASL understands the demands of its clients and OEMs, assuring them of:**

- / Fast turnaround times, with minimal or no information required
- / OEM-independent solutions
- / Support for most electronic circuits and LRU systems

### REFURBISHMENT

Electronic LRU and PCB refurbishment provides a long-term solution to unreliable components. During the product life cycle electronic circuits degrade and become unreliable, intermittent and often failures are not identifiable. We will predict and identify common and expected faults utilising system tools and knowledge gained from extensive experience in this specialised field.

*Continued overleaf*



**40** yrs  
INDUSTRY  
EXPERIENCE

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### RE-MANUFACTURE

Whether through obsolescence or supply chain restrictions, PCBs can suffer from degradation and become depleted. Working from an existing circuit or LRU, we provide a replicated solution both electronically and mechanically.

#### ASL delivers the following information with no detail provided:

- / Electronic BOM (bill of materials)
- / Software and firmware data
- / Full electronic schematic
- / Mechanical drawings
- / Gerber data (pcb manufacture)
- / Functional test equipment manufactured or supplied

In the event that materials are unavailable a direct alternative will be provided, engineered with due diligence and customer agreement.

### OBSOLESCENCE MANAGEMENT

With a structured strategy and responsible partner, it is possible to mitigate most risks. Our approach is to promote and recognise high standards of practice and professional competence in repair, refurbishment, overhaul and remanufacture through:

- / Key OEM Support or OEM approved repair centre partnerships
- / Continued Professional Development and Business Process Assessment in Obsolescence Management
- / Development of Competence Recognition for Obsolescence Practitioners
- / Ongoing membership of the IIOM (International Institute of Obsolescence Management)

### ABOUT ASL

ASL has been established for over 40 years, we have Head Offices in Horsham, United Kingdom and together with our international offices we serve our global customers in the Middle East, Asia, Oceania, United States, Europe and South America. With over 80,000 sq.ft. of warehousing for our 350,000 lines of stocked components, we provide an integrated approach to total platform support.

Many years of experience supplying, stocking and repairing equipment and components has resulted in superior levels of industry and product knowledge. Our dedicated team are ready to rapidly respond to ensure through-life support for all your requirements, regardless of size.



# 66

AN INTEGRATED  
APPROACH TO TOTAL  
PLATFORM SUPPORT  
WHETHER YOU ARE  
AN OPERATOR, END  
USER, MAINTENANCE  
ORGANISATION OR  
CONTRACT HOLDER  
WITHIN THE AEROSPACE,  
DEFENCE, MARINE  
OR MASS TRANSIT  
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