



Diagnosys

KEEPING YOUR ELECTRONICS WORKING



KEEPING YOUR



World presence

Diagnosys is headquartered in the Republic of Ireland.

The UK facility houses the main design and support capability for the group. It also provides software programming capability and support to the worldwide network of sales partners.

The Diagnosys US facility provides a manufacturing and software programming capability along with sales and support for all Diagnosys' products and services.

In India, our Bangalore facility provides a software programming capability along with sales and support for all Diagnosys products. The New Delhi office provides sales and support mainly to defence sector customers.

Offices in France and Germany provide support mainly to customers in Europe.

In addition, our extensive distributor network provides local sales and support to customers in other countries.



Executive summary

Diagnosys provides complete solutions for the support and maintenance of high value electronic Printed Circuit Boards (PCBs) and modules.

Whether testing, repairing, solving obsolescence issues or re-manufacturing obsolete circuits, a complete maintenance capability is available to help you keep your electronic circuits working with extended life.



ELECTRONICS WORKING



Any environment with electronic systems operating over an extended period will encounter the common issues of:

- ▶ Obsolescence of components
- ▶ Skills fade of the support team, whether in-house or third party
- ▶ Diluted or no information as organisations change or are acquired
- ▶ Reliance on unsatisfactory repair services often with:
 - ▼ Lengthy repair times and high costs
 - ▼ No Fault Found returns
 - ▼ Beyond Economic Repair (BER) returns

Diagnosys' solutions provide you with:

- ▶ Increased asset availability
- ▶ Shorter repair times
- ▶ Cost savings and inventory reductions throughout the logistics chain
- ▶ Ability to support legacy and third party equipment

Diagnosys solutions are typically used in organisations supporting defence, mass transit and other industrial sectors – in fact anyone requiring support and maintenance of their high value complex electronic systems.

An ongoing assessment of customer and market needs ensures that Diagnosys products are evolved with innovative features thereby maintaining an industry leading position and providing you with the capability you demand.

Company history

Diagnosys was founded in the UK in the 1960's to provide test solutions and support services to the electronics industry.

Through the 1980's and 1990's the company grew mainly by acquisition. During this period a range of new and innovative products and services were developed for the test, repair and obsolescence management of electronic circuits. Diagnosys has continued to grow its market share, capabilities and product range, and today serves the worldwide defence, mass transit and wider industrial market sectors.

The current management team took over the company in 2009, enabling continued growth and success of the business.

“**We are now fault finding and repairing circuits that had previously been put into bonded store because they couldn’t be diagnosed.**”

With the increasing adoption of COTS (Commercial Off The Shelf) capabilities and technologies, the through-life support of electronic platforms poses many challenges, including: obsolescence, skills fade, lack of information, long repair times, No Fault Found and depleted spares.

These challenges must be overcome and equipment returned to operational status efficiently, cost effectively and in a safe working condition.

With over 40 years' experience in the test and repair of electronic circuits, and by working with defence organisations around the world, Diagnosys fully understands your issues and has developed a range of solutions to overcome them.

Whether you want to become self-sufficient or require a partner to assist you with repair or re-manufacturing services, Diagnosys can supply the optimum solution, from initial fault-screening to in-depth repair.

Defence

SOLUTIONS

Benefits of using Diagnosys:

- ▶ Extending operational life
- ▶ Enhancing safety
- ▶ Increased asset availability
- ▶ Shorter repair times
- ▶ Support for legacy and third party equipment
- ▶ Ease-of-use for rapid deployment
- ▶ Proven track-record with worldwide defence users

Applications include:

- ▶ Engine control
- ▶ Radar
- ▶ Electronic weapons
- ▶ Ground support equipment
- ▶ Navigation
- ▶ Communications
- ▶ Control and monitoring systems

“ PRODUCES LIFE-CYCLE COST SAVINGS OF MILLIONS OF DOLLARS, WHILE PROVIDING THE MILITARY WITH LEADING EDGE TECHNOLOGY.”



“**Diagnosys quickly understood the technical requirements of the project and left me confident that they could deliver the solution we required.**”

With challenging targets and severe penalties for failure, the efficient and reliable maintenance of electronic circuits over their long working life is critical to the operation of mass transit systems.

Many of the world’s largest transit organisations, including over 80% of those in the USA, rely on Diagnosys for the test, repair and support of their electronic circuits in trains and trackside equipment.

Our in-depth understanding of the demanding requirements of these maintenance and repair workshops allows us to provide solutions that perfectly meet the challenge.

With a proven test and fault identification capability for modules, including door controllers and braking systems, Diagnosys provides the complete capability for you to become self-sufficient.

We can provide services covering repair, refurbishment and re-manufacture, enabling you to keep your electronic circuits working.

Mass Transit

SOLUTIONS

Benefits of using Diagnosys:

- ▶ Shorter repair times
- ▶ Inventory reduction and cost savings
- ▶ Accepted by major rail suppliers
- ▶ Enhancing safety
- ▶ Specification compliant on contracts
- ▶ Extending operational life
- ▶ Complete turnkey solutions
- ▶ Obsolescence solutions
- ▶ Proven track-record with major Transport Authorities

Applications include:

- ▶ Railways, public transport and metros
- ▶ Door controllers
- ▶ Braking systems
- ▶ Propulsion systems
- ▶ Signs and ticketing
- ▶ Signalling equipment
- ▶ Communications
- ▶ Electronic circuits and modules

“IT WAS CLEAR THAT A TOTAL LIFECYCLE SOLUTIONS’ PARTNER, CAPABLE OF PROVIDING A FULLY COMPREHENSIVE, REMOTE REPAIR AND RETURN TO BASE, OBSOLESCE AND REPAIR SERVICE, WAS REQUIRED.”



“**Diagnosys has allowed us to position our company as an effective and top-class repairer of technology circuits.**”

Industrial companies face increasing financial and technical pressures, plus the challenge of lengthy external repair times.

Whether you self-maintain your complex and high value electronic systems or require a reliable service provider, with over 40 years' experience in the test and repair of electronic circuits, Diagnosys fully understands your issues and has the right solution for you.

We work with leading industrial companies around the world, including those involved in the maintenance of semiconductor manufacturing equipment, aircraft generator control units, signs, communications and high dependency equipment, providing solutions involving services or equipment, or a mixture of both.

Be it a complete turnkey or partial solution, Diagnosys has the experience and expertise to understand and propose a solution that exactly meets your requirements, delivering it on time and to budget.

Industry

SOLUTIONS

Benefits of using Diagnosys:

- ▶ Test and fault identification capability
- ▶ Fast repair times
- ▶ Obsolescence solutions
- ▶ Inventory reductions
- ▶ Cost savings
- ▶ Ability to support third party and obsolete equipment
- ▶ Solutions tailored to your technical and commercial requirements
- ▶ Best technical performance finding more faults and providing confidence

Sector

Typical application:

Merchant Marine	▶ Engine control
	▶ Communications
	▶ Radar
	▶ Control systems
Energy	▶ Generator control
	▶ Monitoring systems
	▶ Switching control
Commercial Avionics	▶ Signs
	▶ Radar
	▶ Communications
	▶ Ground support equipment
	▶ Generator conversion units
Industrial	▶ Robotics
	▶ Control systems
Semiconductor Fabrication	▶ Load boards
	▶ Control systems
Telecom	▶ Infrastructure support

“OUR EXPERIENCE HAS BEEN TOTALLY SATISFACTORY, IT ALLOWED US TO REORGANISE THE FAULT FINDING PROCEDURE IN A VERY EFFECTIVE WAY, IS EASY TO USE AND WE HAVE CONFIDENCE IN THE TECHNOLOGY.”



ensuring
Safety



Safety is paramount to most businesses and often depends on the reliable performance of electronic circuits. Diagnosys provides the best technical performance, giving quality of test for confidence in your circuits and to keep your customers safe.



The correct test, repair and operation of your electronic circuits are critical to ensuring the safety of equipment. Customers worldwide trust and depend on Diagnosys to provide the right solutions; you too can benefit from our experience and expertise.



We recognise the financial pressures on businesses to save money and our services and products assist you in reducing costs within your business.



saving
Money

By being adaptable and minimising implementation costs with either in-house capability or bought-in services, Diagnosys helps you quickly identify faults and reduce inventory, repair costs and downtime.

saving
Time



Minimising time spent finding faults means your equipment is back working quicker, thereby saving inventory and downtime, whilst providing customer satisfaction.



Long repair times and boards returned as "beyond economic repair" or "no fault found" can be frustrating and are often the result of being reliant on unsatisfactory repair organisations. Diagnosys provides you with solutions to overcome these challenges so that you can start saving time today.



Through re-organisation, skill fade, merger and acquisition, organisations can lose the ability to support electronic equipment. When this happens equipment may become unsupportable with financial consequences.



extending
Life

We provide solutions for the support of equipment that include re-manufacture, refurbishment and repair – all extending the life of your equipment. Many major organisations around the world benefit from Diagnosys' capabilities – you too can benefit.

Diagnosys is the only company involved solely in electronic board test and repair that provides a full range of products and services delivering technically and commercially matched solutions which effectively support and extend the life of your products.



{ DIAGNOSYS' SOLUTIONS



{ Turnkey Test Solutions

EVERY TEST SOLUTION REQUIRES AT LEAST ONE TEST PROGRAM, SOMETIMES A SUITE OF THEM.

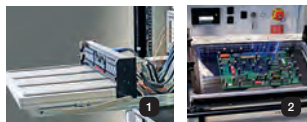
Diagnosys' highly skilled team of engineers can create the test programs for each of your applications so that when the solution is delivered you can start to benefit from your investment straight away.

This Test Program service is available for all Diagnosys products allowing you to concentrate on your core activity of testing and repairing electronic circuits without distraction.

{ Test and Repair Solutions

WITH A WIDE RANGE OF TEST SYSTEMS DIAGNOSYS CAN PROVIDE A TOTALLY FLEXIBLE SOLUTION THAT MATCHES YOUR EXACT REQUIREMENTS.

Supporting the many and varied test techniques available today, you can be assured that your circuits and modules are tested to specification and that the faults are identified - quickly, accurately and reliably.



1. Robust interfacing
2. Bed of Nails capability



1. Original
2. Re-manufactured

Obsolescence Services

SKILL FADE, MERGER AND ACQUISITION CAN ALL BE CONTRIBUTING FACTORS TO COMPANIES LOSING THE ABILITY TO SUPPORT EQUIPMENT.

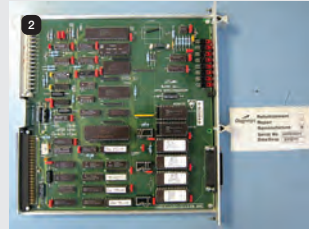
Diagnosys has a proven track record of providing re-manufacturing services to large organisations that allow them to replace depleted spares and keep their electronic systems working.

If you can't source spare circuits or are critically low on inventory then Diagnosys can help.

Training Services

WHETHER FOR OPERATOR, TEST TECHNICIAN, TEST PROGRAMMER OR SUPERVISOR THE APPROPRIATE TRAINING COURSE CAN BE PROVIDED ALLOWING YOU TO BENEFIT AND MAXIMISE THE UTILISATION OF YOUR INVESTMENT.

The training courses are delivered by experienced product specialists and cover all aspects of the systems from operation and maintenance to test programming.



Repair Services

REPAIRING BROKEN ELECTRONIC CIRCUITS AND MODULES QUICKLY AND RELIABLY MEANS THAT DIAGNOSYS CAN PROVIDE AN EXCELLENT SERVICE TO OUR CUSTOMERS.

Sometimes a circuit may just be approaching the end of its life and in this case Diagnosys provides a refurbishment service that not only extends the working life but also makes it more reliable.

Whether your equipment has broken or become unreliable, Diagnosys has a solution to help you.



Customer Support

YOUR DIAGNOSYS PRODUCT OR SERVICE IS COVERED BY A WARRANTY THAT IS UNDERPINNED BY OUR CUSTOMER SUPPORT TEAM.

This highly trained team ensures that your equipment is always working at peak performance and are available for advice, to provide software updates or, in the unlikely event of a problem, makes sure that it is quickly resolved. All support activities can be tailored to individual needs and can even include having a resident engineer on your site.

The Diagnosys team is available to provide through-life support of your product, ensuring that you benefit from professional and reliable service at all times.



3. Fixtureless test
4. Diagnostic probing
5. AutoPoint flying probe



For your local office details
please visit our web site:

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