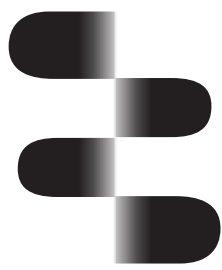


Monitor and control your systems from anywhere

Data and I/O Connectivity in your palm





brainboxes

www.brainboxes.com

Brainboxes is an established UK designer and manufacturer of data and I/O connectivity products.

Our solutions give you simple, reliable communication and control of your equipment globally.

Our team delivers direct friendly expert support at every step of your project to give you exactly what you want.

“There is nothing better than delivering just what our customers want.

Every product is manufactured right here in our Liverpool headquarters and with over 30 years experience you can trust us to provide the technologies you need.



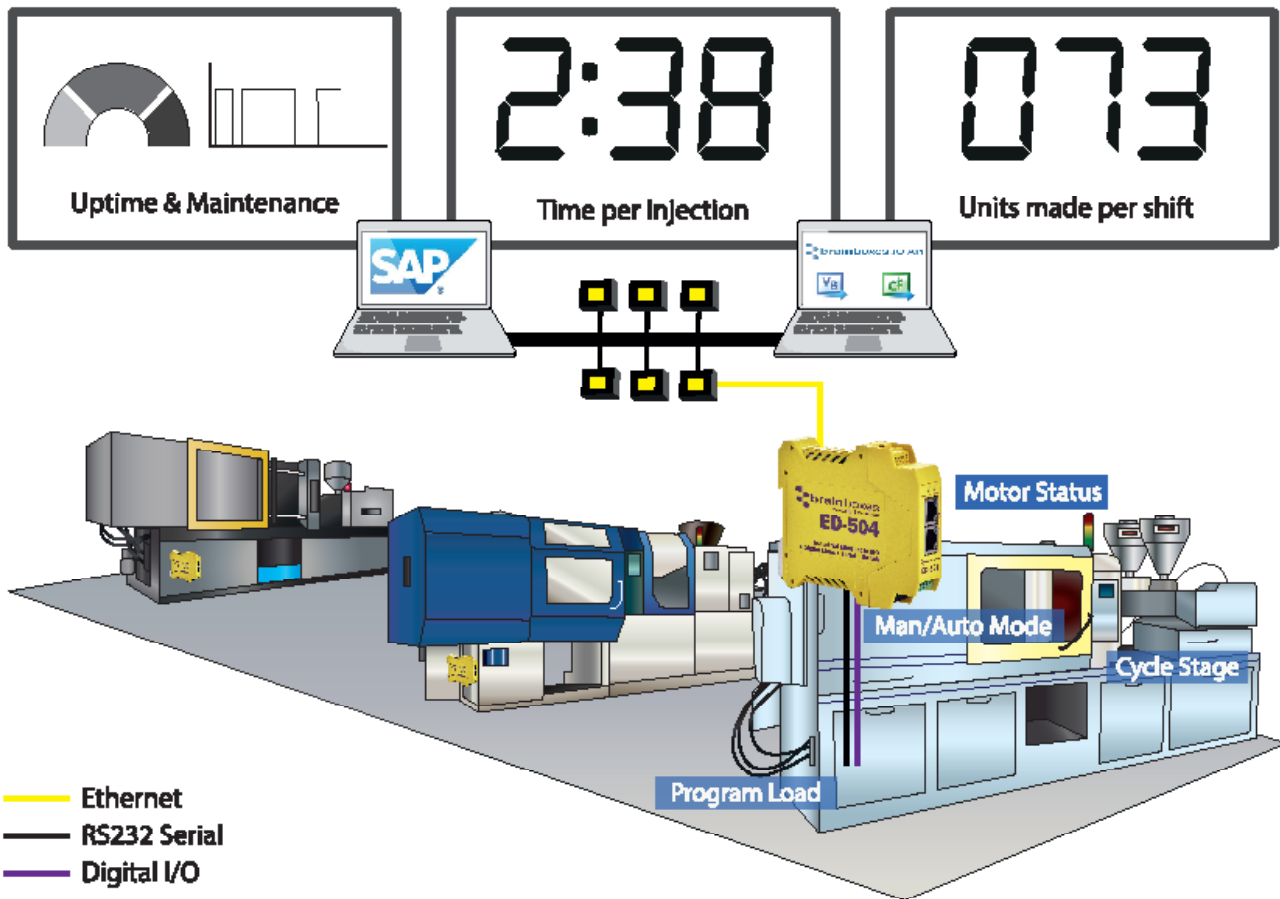
We can give you a perfect fit custom design.”

Luke Walsh
Managing Director



Know what's happening on your production line

Unlock your productivity and improve throughput without buying new equipment.



“Probably the most innovative device produced for the DNC and Machine Data Collection market in the last twenty years”

Mark Hebbard, Hebbard Engineering

Production lines often fail to reach their maximum capacity – can you afford to ignore your potential?

The big benefit of control, monitoring and automation for factories and plants is the improvement of efficiency often measured as OEE (Overall Equipment Effectiveness). By maximising production and minimising hidden costs such as down time, the remote IO range can help make factories more profitable.

A future proof solution that will allow system expansion whilst connecting all those reliable but decades old machines.

Speak to us today about upgrading your existing systems.

Brainboxes USB to Serial gives brand new laptops that vital classic Serial port.

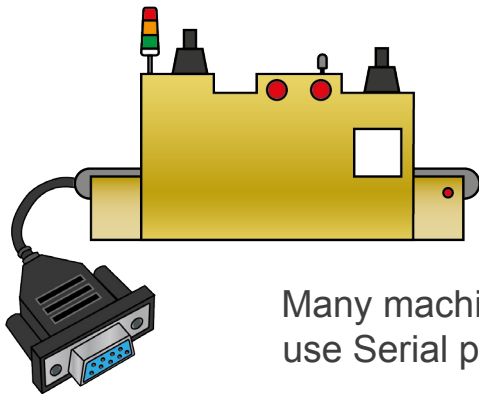
Reliable serial connections in the field

“An easy to set up device which is robust and works in any environment”

Karl Bibey, Sony



Engineering call outs can be expensive. When you arrive you want to be able to get on with the job.



Many machines use Serial ports

Most laptops now only have USB ports



- Small
- With High Retention cable
- Complete compatibility
- Trouble free operation



Brainboxes' USB to Serial gets you connected in minutes



So you can just get on with the job

The US-235 USB to Serial device installs immediately and runs hassle free all day long. With a high retention USB connection and great software both the physical and data connection are solid.

It can connect to all kinds of production line equipment over serial no matter what OS you are running. That's why it's a favourite with engineers all over the world.

To see why our USB to Serial is “the one that just works” contact our team today!

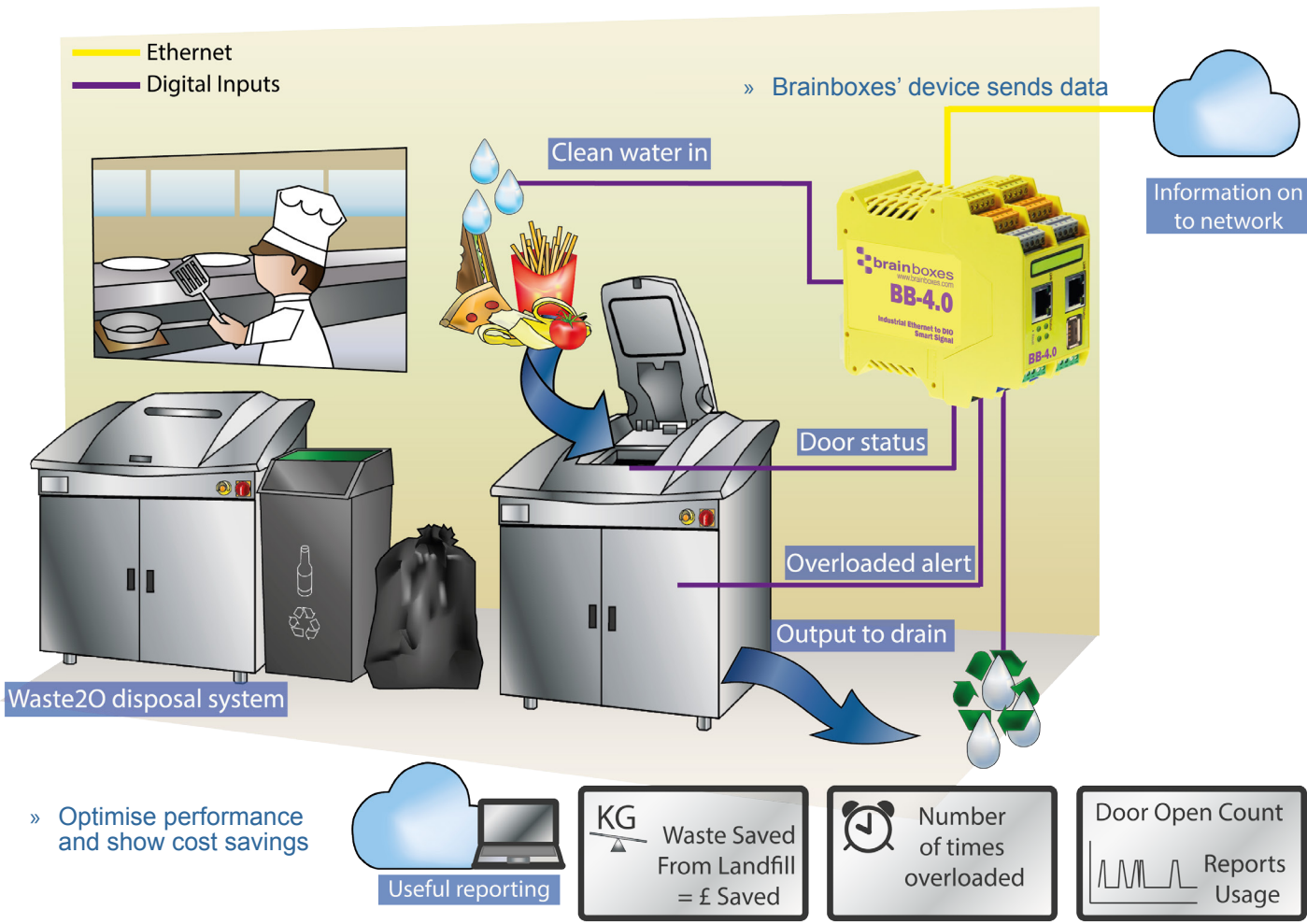


Making sense of the signals - out of the frying pan into the cloud

Getting data out of a machine and into the cloud was the first step towards useful reporting

"I wish I had discovered this product a year ago!"

John Towersey, Mechline Developments Ltd.



Mechline use a Brainboxes' remote I/O solution to monitor outputs from their machine. This data can be used to calculate important information about the machine's usage, aiding the customer to optimise their operation.

The output drain minus the input of clean water is used to calculate the food waste volume which is then reported to the client so they know how much waste they are recycling. The lid openings and the number of reverse operations (when machine has been overloaded) tells the client how the machine is being used.

To unlock the hidden data from your machines talk to our sales team today!

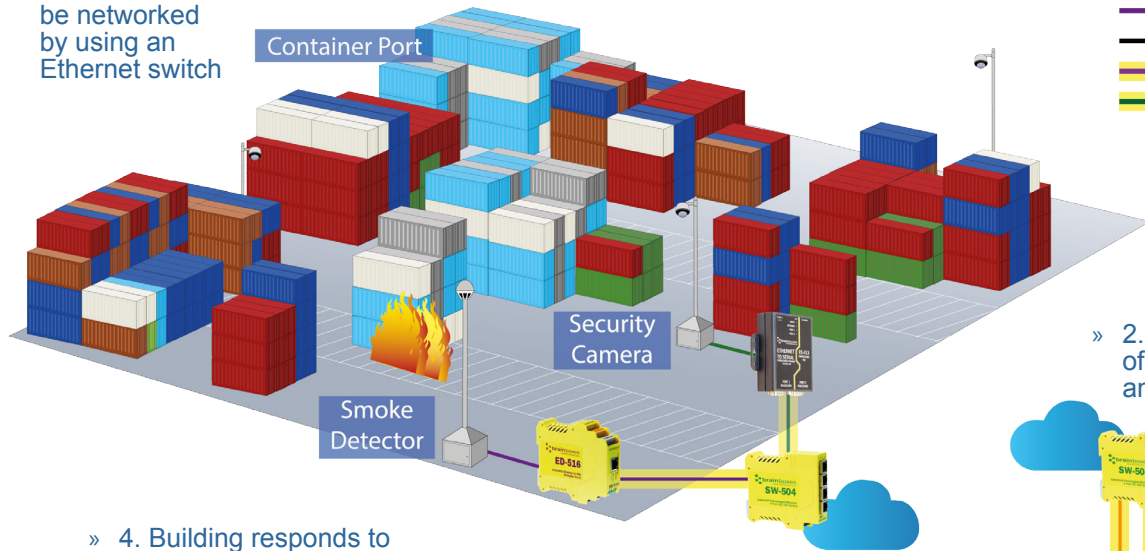
Collect information as it happens and respond quickly.

Integrate systems for a fast response

“A perfect fit, up and running in a matter of hours”

Jon Martin, Intelligent Video Ltd

» 1. Multiple on site devices can be networked by using an Ethernet switch



» 2. Remote control of camera over any distance

» 4. Building responds to an emergency call, digital I/O opens doors and turns on lighting

» 3. Alarm signal is relayed from detector to security office



There can be challenges managing large sites. Brainboxes brings different equipment, under convenient central control.

Monitor video, smoke detectors and perimeter security, integrate into your existing software to generate alerts and status reports and respond with lighting and access control.

Serial and I/O 'tunnelling' over existing infrastructure, allows the transfer of signals over large distances without the need for an additional PC.

Don't spend weeks looking for combinations of parts, talk to our sales team about an integrated solution from Brainboxes.

Giving you custom,
as standard

Different equipment,
different manufacturers,
one solution.

“Thanks for a great product that actually does what it says out
the box with easy concise code examples”

Kathy Quinlan, K.A.Q. Electronics



An RS232 serial connection is still one of the most versatile, secure and reliable ways to transfer data. Everything from weigh scales, and display screens, to cash recyclers and label printers can work with a serial connection.

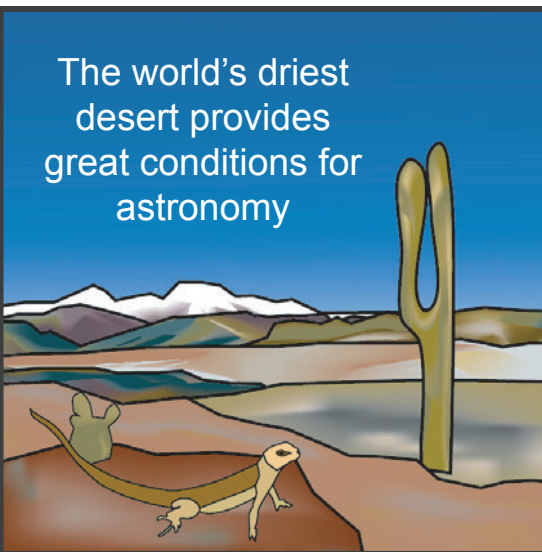
Brainboxes' PCI cards are amongst our most popular and established products, offering a great solution whether it's a one off or a volume roll out. With great software compatibility across an extensive range of connection options there's a product to match any situation

Get an out of the box solution for your unique application – talk to us today.

UK: +44 (0)151 220 2500 // USA +1 855 958 2502 // JAPAN: +81-3-3683-0509

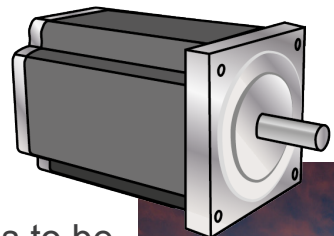
Reliability can't be over emphasised in one of the most remote locations on the planet.

Location,
Location,
Location



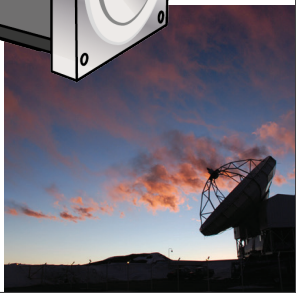
The world's driest desert provides great conditions for astronomy

Stepper motors control the position of the telescope



Equipment has to be trustworthy and robust

Downtime can mean weeks wasted



Almost all the components in the system feature a Serial interface



Serial control over Ethernet enables control and maintenance from anywhere in the world



Operators no longer have to be on site



Instant reliable access helps you get on with the job

“The Brainboxes’ devices are reliable, well machined and can be neatly integrated into custom mechanical designs”

Mirek Ciechanowicz, Max Planck Institute

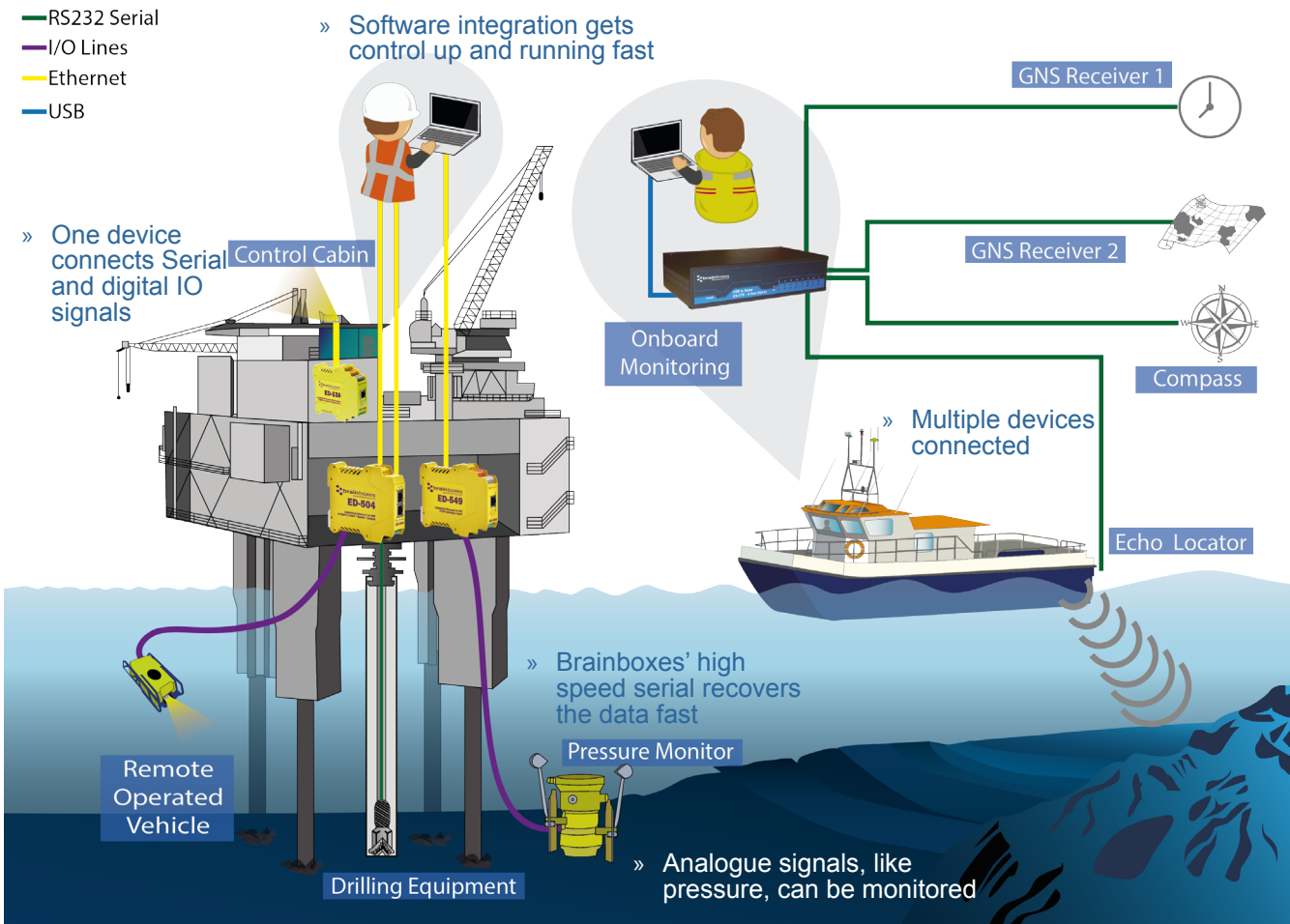
If downtime means an international call out you need devices that are reliable talk to us today!

Off shore doesn't
have to mean
off line

No compromise, productive
and efficient systems no matter
what's connected or where.

"We have used the ED-588 ...
we are impressed"

Matthew Wright, Global View Systems Ltd



Getting real time data from multiple sensors to a central computer is a common scenario, but imagine doing it in the middle of the ocean.

Seamless interfacing with multiple equipment is just one of the reasons Brainboxes has been chosen to solve on board connection issues.

Keep it neat and simple by using multiport and multi-protocol devices.

For no compromise, no worry solutions contact our sales team today!

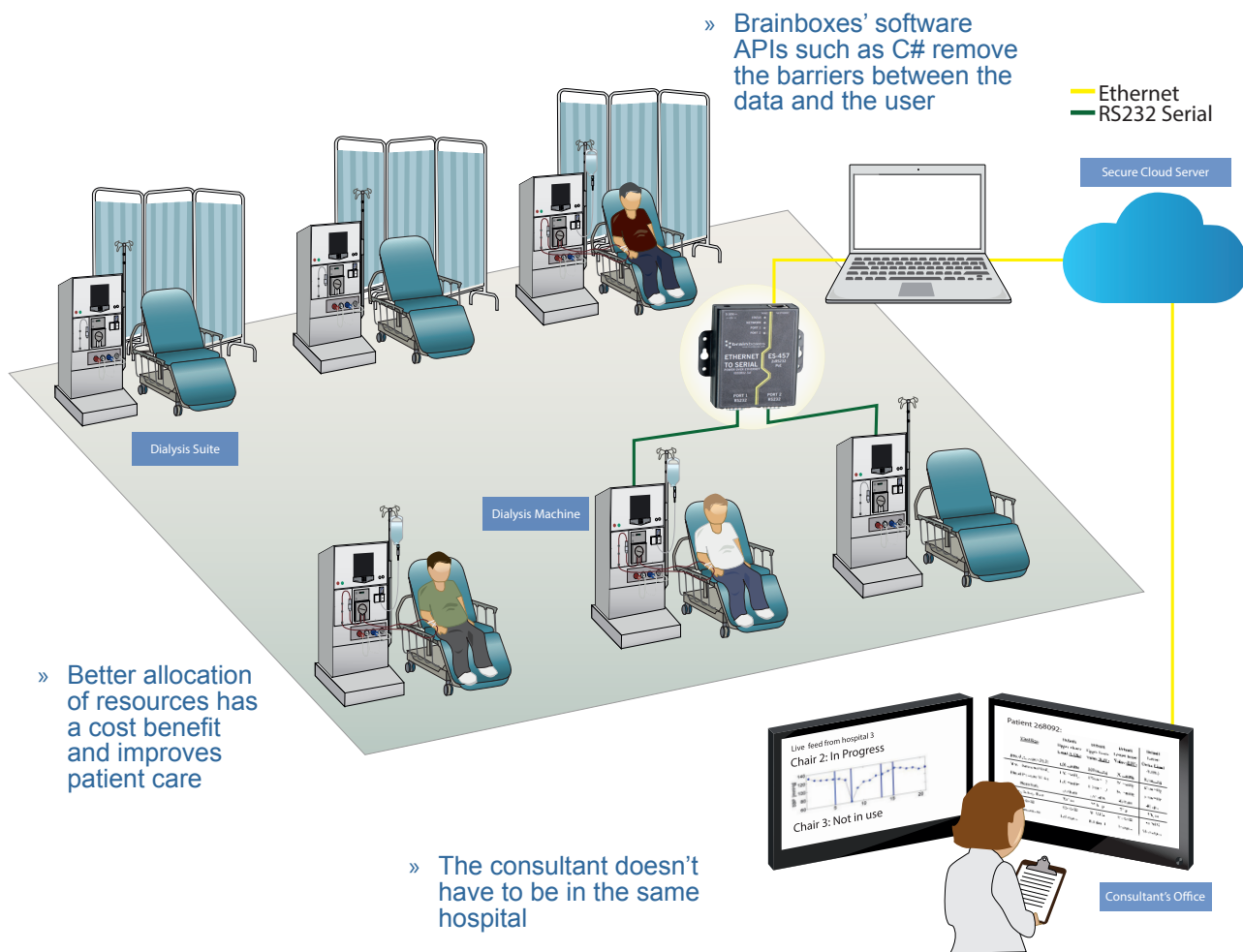
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Delivering modern healthcare

Local service, central control.
For data that really matters

“We needed complete integration and rapid flexible deployment, we got it with Brainboxes”

Phil Ames, Kinetic Decision Solutions



Many pieces of medical and scientific equipment use a serial data connection as it is secure and reliable. Brainboxes Ethernet to Serial allows accurate readings to be taken continually, freeing up nurses and eliminating recording errors.

Brainboxes devices can be integrated into existing systems using our range of APIs (Application Programming Interfaces). The data can then be displayed so that an authorised doctor or nurse can review the progress of dialysis patients and review historical information.

Using Brainboxes' Power over Ethernet Serial made installation quick and neat without extra costs or disruption in the hospital.

Need secure data with minimal fuss? Talk to our team today!

www.brainboxes.com // sales@brainboxes.com

Real time monitoring and response

Keep the line moving

Brainboxes have a wide range of products to assist in your automation and control projects. Digital and analogue, inputs and outputs, Modbus, Windows compatibility, APIs, Serial protocol and switches all designed to a high industrial specification with Ethernet connectivity.

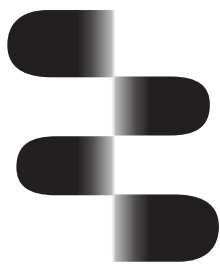
Design in or retrofit we've got options - Talk to our team today!



“We’ve been using Brainbox protocol converters for over three years in applications where any downtime reduces our effective service levels – all without a single failure. Technical and sales support is one of the best in the market and their team is always highly knowledgeable.”

Guy Kendall, Eurocarparks

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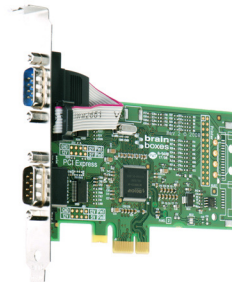
www.brainboxes.com



Ethernet to Serial



USB to Serial



PCI & PCIe Serial Cards



Power over Ethernet



Industrial Ethernet Switches



Remote I/O + Serial



Industrial Ethernet to Serial



Laptop ExpressCards



Established in 1984 by Eamonn Walsh and his wife Patricia, Brainboxes now has offices in the UK, USA and Japan.

With over 30 years design and manufacturing experience Brainboxes are old hands at new technology.

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