



REMOTE MONITORING SERVICE FOR YOUR TEMPERATURE CONTROL EQUIPMENT


icslink

Maximise productivity, operational efficiency, service delivery and energy efficiency, with 100% visibility of your equipment, 24/7, wherever you are...



 0800 840 4210



INTRODUCING ICSSLINK FROM ICS COOL ENERGY

Do you want total visibility of your temperature equipment just by checking your PC, phone or tablet?

Or perhaps you need that extra piece of mind that your temperature equipment is running efficiently and there are no nasty surprises in store which could disrupt your business?

ICS Cool Energy brings you ICSLink, an enhanced remote monitoring service for your temperature equipment. This service provides both a live condition update and history of your assets, even when access to the equipment is limited, with thresholds bespoke to your requirements.

ICSLink will capture trends with customisable dashboards, allows you to change set points remotely and oversee performance and energy consumption of your assets to meet your business targets.

e-Mission CRITICAL

Let ICS Cool Energy support you in maximising productivity, operational efficiency, service delivery and carbon emissions reduction with our technical expertise in energy monitoring and fault diagnosis – all without the need for a site visit! Our E-Mission Critical sustainability commitment to our customers means that we work closely with you using ICSLink for data capture and analysis, to provide energy saving enhancements to existing temperature control equipment.



SIMPLICITY

A single compatible system that can be used across your business for instant accurate results.



EFFICIENCY

Better time, resource and financial management for improved profitability.



PRODUCTIVITY

The total oversight to maximise real-time machine and fleet productivity driving business growth every day.



SERVICE

Quicker customer response and added value delivering competitive advantage.

WHAT EXACTLY IS ICSSLINK?

ICSLink is a remote telemetry system which collects performance data from your asset, transmitting it through its' web interface, which is supported by all mainstream browsers, or through its' mobile app.

So you'll have 100% visibility of your data 24/7, wherever you are!

With the industry leader in remote monitoring equipment, it utilises the latest solid-state technology and incorporates internal watchdogs for mutual performance verification and reliability.

ICSLink can be fitted to a huge range of new and legacy temperature equipment, rented or owned, and will fit within your existing building management system.

ICS Cool Energy can offer ICSLink remote monitoring for equipment such as:

- Chillers
- Boilers
- Pumps
- Air Handling Units
- Fan Coils

BENEFITS

- Realtime alarm notifications allow for quick responses.
- Customised dashboards for every user, giving 100% data visibility.
- Enhanced security with geofencing, tracking and alarm notifications for unauthorised access to equipment, helping you to potentially reduce insurance premiums.
- ICS Cool Energy remote technical expertise performance and energy monitoring with more thorough fault diagnosis reducing unnecessary site visits or phone calls.
- Realtime data analyses hours, fuel consumption and events outside expected range.
- Records machine usage and condition, linking to existing back office solutions.
- Helps to plan investment and resources for business profitability and growth.
- Superior intelligence allows for better strategic fleet planning.
- Automatic intelligence on machine condition giving early warning of possible failures.
- Tracks exact location of assets, even mobile equipment.
- Optimise maintenance with remote scheduling in line with manufacturers guidelines.
- Reduces fuel supplies with remote fuel tank monitoring.



50%
Fewer visits



55%
OPEX reduction



75%
Issues resolved on first visit



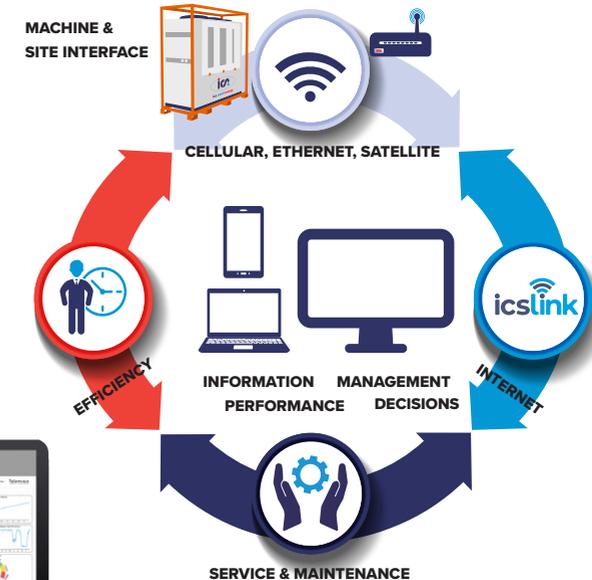
100%
Visibility

HOW DOES IT WORK?

ICSLink is available to buy or rent, where our experienced engineers will install the telemetry system for you and work with you to configure your interface and customisable dashboards to meet your requirements.

A monthly monitor service fee is also available for ICSLink, where ICS Cool Energy will remotely:

- Set points
- Check and log of diagnostic messages
- Check water flow levels
- Generate chiller performance reports
- Check operating parameters



TECHNICAL SPECIFICATION

ENCLOSURE

Size	110MM X 85MM X 30MM
Weight	230g
Material options	Aluminium
Mounting	DIN rail mount; mounting wings; adhesive polymer pad
Operating temperature	-20°C to +85 °C (internal)
Range	-40°C to +80°C (ambient)
Storage temperature range	-40°C to +125°C (ambient)
Humidity	95% RH, non-condensing
Vibration	5Hz-8Hz @ ±7.5mm, 8Hz-500Hz @ ±2gn
Shock	15gn in 11ms
Ingress protection	IP-2X

INTERNAL SENSORS

Temperature	Yes
Motion	3 axis accelerometer

CONNECTIVITY

Cellular antenna	SMA, female, 50Ω
GPS antenna	SMA, female, active type, -16dB to -18dB desired loss
Local debug	Mini USB
Serial ports	1 x RS232C with CTS/RTS 1x RS232C 1x RS485 or CANbus
USB OTG	1x mini USB

CONNECTIVITY - inputs (software configurable as either analogue or digital input)

Quantity	8
Input range	0V - 48V DC
Accuracy	± 15mV
Spike protection	2kV

CONNECTIVITY - outputs (open collector)

Quantity	4
Current sink	500mA

POWER SUPPLY

Supply voltage	8V - 48V DC, fused @1A
Power consumption (operating)	<0.5W (without internet)
Power consumption (sleep mode)	<20mW
Reverse polarity protection	Yes
Ignition sense	Yes
Connection	3-way Molex (mini fit)

COMMUNICATIONS

GSM/GPRS/EDGE and SMS	800, 900, 1800, 1900MHz
UMTS/3G	800, 850, 900, 1900 2100MHz
Dual SIM card support	Yes
Ethernet	10/100 via RJ45 connector
Location	GPS
Communications fallback	Seamless across all bearers
Protocols	Serial RS232, Serial RS485, Modbus RTU RS232, Modbus RTU RS485, (multi-drop), Modbus TCP, SNMP Remote Access, HTTP, IP Protocol Transparency

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OPTIONS

External Iridium satellite	Serial cables
External access to SIM slots	Custom branding
Cellular and GPS antennas	Database level interface

Input and output tails

For Service, Breakdown Support & Emergency Rental, call +44(0) 800 840 4210 (24hr response)

UK and ROI Offices:

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ICSCOOLENERGY.COM

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