

HIRE Specialists

Provider of Process Cooling and HVAC Equipment



Cooling capacities 0,3 kW - 1 MW single units
and Multi-Megawatt Packages

WE ARE ICS COOL ENERGY



WWW.ICSCOOLENERGY.NL



SPECIALIST RENTAL EXPERTISE



WE ARE HERE TO SUPPORT YOU...

Your Specialist Temperature Rental Resource

We are temperature control rental specialists, with over 25 years international experience, we recognise the essential role we play in helping our customers succeed. From small local companies to international business, our approach is consistent; we understand our client's business as a pre-requisite to offering cooling and heating solutions that contributes to optimum performance.

We provide flexibility in terms of packages to suit individual customer needs.

Our commitment to customers goes far beyond the successful delivery of a contract. Our focus is keeping customers' businesses running 100% efficiently wherever and whenever they rely on temperature control.

An International Network

Operating from UK, Ireland, Germany, The Netherlands, Belgium, Switzerland, Austria, Poland and Italy we have built a reliable European network with links further afield in Asia, Australia and America.

Having completed temperature rental packages of all scales from small units to multi-megawatt packages in both industrial manufacturing and HVAC building services, we are flexible in our approach to ensure each client requirement is met, whether on a planned or emergency basis.

We have also worked to support businesses with contingency planning for critical applications and N + 1 provision.



Industry Leading Products

As a dedicated temperature solutions provider, we offer the latest energy efficient range of Eurovent accredited rental chillers from 0,3 kW-1,000 kW single units.

In addition to chillers our extensive fleet also incorporates air handling units and fan coils (5 kW-350 kW), dry coolers (25 kW – 1.000 kW), portable cold storage, cooling towers (500 kW - 2 MW) as well as portable air conditioners and heaters to meet seasonal ambient-related requirements.

Our rental chiller fleet (0,3 kW -1.000 kW), is independently verified by Eurovent giving our customers complete peace of mind that they will receive the very best level of certified service and reliable rental equipment.

99.8%

RELIABILITY IS OUR WATCHWORD

Our test procedures ensure that all equipment is regularly serviced and upgraded to the best condition it can be. Our current ready to operate measure gives us a **99.8%** success rate.



PROVIDING YOU WITH FIRST CLASS RENTAL SERVICE



Simple Controls

All of our chillers have been designed to offer a fast and straightforward start up. Making them easy to use and simple to operate.



Quick Connectors

In emergency breakdowns and outages, you need equipment capable of being connected and powered quickly and safely.



24/7

We provide full maintenance and breakdown cover throughout the duration of your rental contract. Allowing you to budget safely with ICS Cool Energy.



Small Footprint

When space and weight is an issue, our fleet has the smallest m²/kW footprint in Europe.



Low Environmental Impact

All our hire equipment operates with the latest technology and most fuel-efficient burners/boilers.



Energy Efficient

We source the latest products from accredited suppliers with measured performance and operational guarantees.



Low Noise

When you are restricted in a noise sensitive area, we can provide attenuated chillers offering 54dB(A) @10m. Plus lower levels with additional silencers.



QUALITY RENTAL EQUIPMENT

Did you know...

+ **1,125** chillers

We stock a wide range of air and water-cooled chillers in the fleet for internal or external siting.

🔧 **60** point check

Every unit in our rental fleet is subjected to a specific number of key tests before being green carded and made ready for hire.

S **3 kW**

Need a small R & D chiller? No problem, our smallest unit can manage just 3 kW of heat/hour.

Hz **50/60**

Do you have a project needing 60Hz frequency. No problem, we can offer you various options.

+1 **100%** contingency

Some designed projects need absolute contingency (N + 1). We can provide equipment on site, on standby, or reserved in our depot.

**2017
2021** **260** weeks

Need to hire for up to 5 years? No problem. We can provide specific equipment to meet long term needs. Available where restricted leases or projects don't make capital investment viable - rent instead.

WE CAN OFFER YOU RENTAL PROFESSIONALS WITH REAL EXPERIENCE

SOLUTION

Our technical sales engineers are on hand to visit you or your client's site to provide the best technical recommendation and economic solution to your enquiry

FAST RESPONSE

Breakdown on-site (day or night)? Our services and call handling strategy is designed to meet most emergency situations (94% are visited within 15 hours of initial call)

PPE & SAFETY

All of our engineers have company supplied protective clothing and equipment. However, let us know if you require specific protection to meet your sites own H & S requirements



LOCAL KNOWLEDGE AND SERVICE

The majority of our sales engineers have 10 years experience in the local area

TECHNICAL EXPERTISE

All Engineers attend our 10 day internal technical training every year

FAST RECOMMENDATION

We can provide you with an official quotation the same day or on-site, if requested

CORRECT PAPERWORK

If your business requires a Risk Assessment and Method Statement, we can provide this following a detailed site survey

AIR COOLED CHILLERS TO 1.000 kW SINGLE UNITS



We can offer you a wide range of cooling units on a same day or pre-planned basis. Developed with the latest energy efficient technology, we have provided in excess of 25,000 rental projects, our equipment is proven and ready for immediate hire.

Application Driven

Not every project or site is the same, that is why we recommend and tailor our equipment to match your specific site requirements.

Trust us to make the correct selection, most resilient installation and effective economic performance for you.



TECHNICAL INFORMATION

Cooling capacity ¹	101 30 kW	40/45 kW	535 75 kW	660 130 kW	Aries Tech 230 kW	1702/1902 300/375 kW	2602 500 kW	3602 750 kW	4222 1000 kW
Power Consumption (Plug or Lug)	32	32/63	63	125	M10	M12	M12	M12	M12
Max in Rush (Amp)	30	42/47	125	170	347	315/423	428	579	858
Max current (Amp)	24	32/37	53	98	170	135/254	370	500	678
Refrigerant	R410A/ R407C	R410A/ R407C	R410A/ R407C	R410A/ R407C	R410A	R134a	R134a	R134a	R134a
No: Circuits/ Compressors + all power in 3ph 400v/50hz 3 core + E, No Neutral.	1/1	1/2	2/4	2/4	2/4	2/2	2/2	2/2	2/2
Diameter inlet/outlet (mm)	2" Bauer	2" Bauer	2" Bauer	2" Bauer	4" Bauer DN100	4" Bauer DN100	6" Bauer DN150	6" PN16 DN250	6" PN16 DN150
Maximum fluid outlet temperature in 30°C ambient	15°C	15°C	15°C	15°C	15°C	15°C	15°C	15°C	15°C
Minimum fluid outlet temperature at low ambient	-10°C	-10°C	-10°C	-10°C	-10°C	-8/-10°C	-8/-10°C	-8/-10°C	-8/-10°C
Dimensions L x W x H (mm)	1858 x 7600 x 1500	1858 x 7600 x 1500	2300 x 1000 x 2500	3600 x 1275 x 2200	3418 x 2188 x 1989	3100 x 2360 x 2460	4900 x 2260 x 2460	6400 x 2310 x 2400	7000 x 2360 x 2358
Weight (Kg) ³	500	500	900	1300	2,300	3700/3700	6060	7,500	10,000
Sound level (dBA) @ 10m	55	55	55	64	64.6	55/54	57	61	63

1. Cooling capacity based on 12/7°C water temperature, 30°C air ambient.

2. Pump operating at full speed.

3. Without water.

Maximum system operating pressure: 6/10 Bar

Ambient operating range between -18°C and 43°C. At low water temperature -15°C, maximum ambient 35°C (for units up to 200 kW).

Details are given for guidance only. Exact equipment supplied may vary according to geographical location and availability.





WATER COOLED CHILLERS TO 1.290 kW SINGLE UNITS

Our range of water cooled rental chillers offer the highest levels of energy efficiency and are well suited to being positioned inside plant rooms and enclosed areas, where air cooled units cannot operate.

Our fully packaged range starts at just **42 kW** and progresses through to **1.290 kW** single containerised units. The range has been designed and developed to offer the smallest – most mobile footprint piece of kit, with the added benefit of low power consumption.

In addition to being Eurovent Certified, each unit offers a low noise operating range.

When you hire our chillers, we can also offer a range of suitably-rated circulation **pumps**, high pressure rated (10 bar) flexible water **hoses** and PN16 connection **flanges** to help connect on to an existing ring main, or help build an additional water circuit.

The range can also be supplied with ferrous or non-ferrous circuits and rental cooling towers (ICS Cool Energy are LCA Approved), or dry air coolers to help reject the condenser heat from the cooling circuit.

To help meet a site's requirements ICS Cool Energy is able to supply units in **flat pack** enabling them to be reassembled in basement plant rooms or underground car parks to suit a sites logistics and access.

Our water cooled chillers meet the requirements of many industrial applications being most suited to:

- HVAC and building services requirements whether to provide cooling during systems breakdowns/refurbishments or longer term rental projects.
- Water cooled chiller replacement or maintenance in an underground plant room. We can place our chiller in an underground car park or unloading area.

We keep a large range of rental units in stock at all times to ensure urgent requirements can be met. Furthermore 24/7 maintenance is included throughout each rental contract.



TECHNICAL INFORMATION

Model	Comp	Lowest Temp °C	Amps Run	Amps Start	Length mm	Width mm	Height mm	Weight Kg	Noise (@10m)	Water Conn.	Cond Conns.
Water Cooled Chiller Range											
42	Scroll	-10°C	29	67	2.000	850	1.500	885	49.8	50mm	50mm
50	Scroll	-10°C	34	70	2.000	850	1.500	885	50.5	50mm	50mm
145	Scroll	-10°C	72	150	3.300	1.255	2.050	1.700	56.6	62mm	62mm
650	Screw	-12°C	310	512	3.345	1.020	2.110	3.586	70	150mm	125mm
1,250	Screw	-12°C	625	800	4.760	1.200	2.250	7.150	73	200mm	125mm
In container					6.200	2.400	3.000	11.500			

LOW TEMPERATURE CHILLERS TO -40°C

WATER EXIT TEMPERATURE

Air Cooled Packaged Chillers

We specialise in offering fully packaged hire chiller units capable of operating at sub zero temperature ranges to a wide range of applications, from chemical processes to temporary ice rinks.

All of our Low Temperature Chillers have been designed to include contingency and temperature safeguards, including the following benefits:

- Integral buffer tanks to help reduce spillages and leaks.
- Integral circulation pumps to help reduce the number of power connections and spillages.
- Multi-compressor operation to provide cooling redundancy.
- One isolator for all operational needs.
- Flanged pipework to safeguard all water/glycol connections on site.

Our range of packaged chillers is capable of offering water leaving temperatures as low as -40°C.

Units in this range are self-contained, housed within their own skid, PN16 (16 bar) flanged water/glycol connections and quick-connect Cforme power plugs (BS4343).

Ultra Low Temperature Chillers (Water Cooled)

We are capable of meeting ultra-low temperatures offering a water leaving temperature range of -10°C through to -40°C from one single unit.

The units feature the highest grade of 'Class A' energy efficient components including twin Frascold semi-hermetic screw compressors, which provide the highest levels of reliability.

Our bespoke -40°C rental units are housed within a standard 10ft ISO container ensuring ease of transportation and security protection on site.

A separate and optional hydraulic module in a containerised unit can also be supplied carrying suitably-rated run & standby circulation pumps and a buffer tank with fill and vent system.



TECHNICAL INFORMATION

Model	Comp	Lowest Temp °C	Amps Run	Amps Start	Length metres	Width metres	Height metres	Weight Kg	Noise (@10m)	Water Conn.
Low Temperature Chillers										
20kW	Recip	-15°C	55	125	2.500	1.000	2.300	1.000	52	50mm
45kW	Recip	-20°C	98	170	3.300	1.275	2.200	2.000	64	100mm
230kW	Recip	-20°C	486	844	4.440	1.960	2.200	5.420	67	200mm
25kW	Recip	-30°C	92	165	3.300	1.275	2.200	2.000	64	100mm
Ultra Low Temperature (water cooled)										
60kW	Recip	-40°C	103	175	3.030	2.440	2.595	3.700	63	100mm

COOLING TOWERS & DRY AIR COOLERS



Low Cost Cooling

With a wide range of large and small duty cooling towers capable of providing a stable source of cooling in process and HVAC applications.

Our fleet of evaporative coolers are portable and manufactured on a lifting skid for ease of movement and protection on site offering a minimum 500 kW to 2.000 kW per unit. Multiple units can be run together for larger multi-megawatt demands.

The rental units are designed to meet variable temperature ranges from 60°C down to 6°C, where they are connected to condenser water for water cooled chillers, run in parallel to supplement existing cooling plant or help provide temporary cover during existing cooling tower refurbishments. Connecting hoses, pumps and electrical power cables can also be provided as a package if required.



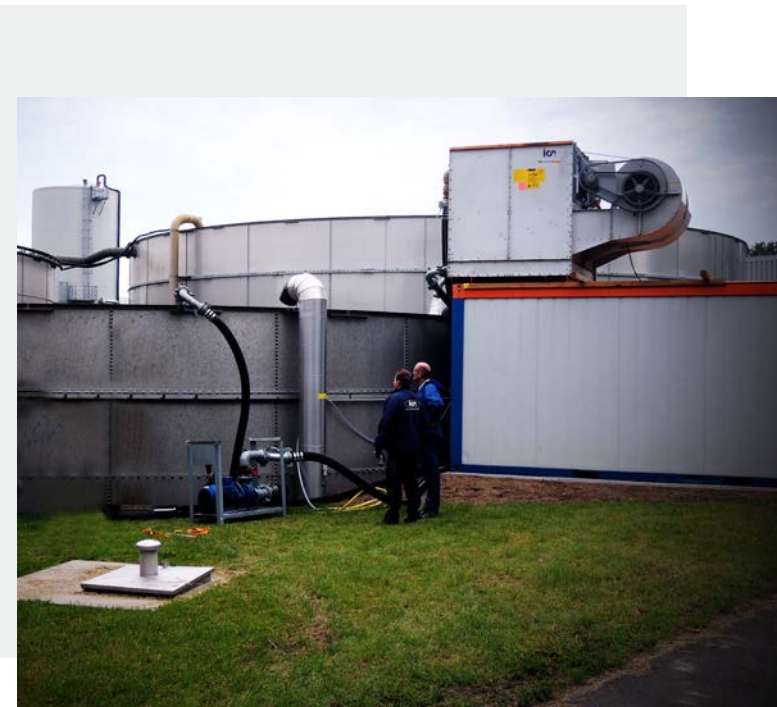
Health & Safety

ICS Cool Energy is a member of the LCA (Legionella Control Association), and our installation engineers have attended and passed the conditions of compliance to safely manage and install cooling towers. We are an accredited member and are able to provide the best possible service for our customers and their clients.

Full Project Management

Our rental fleet of dry air coolers offer an advanced level of energy saving and the highest efficiency ratings available by being rated **Class A** and independently evaluated by Eurovent.

Dry coolers provide a low cost, environmentally friendly method of free cooling and only need the power input of the fans to provide cooling. As opposed to cooling towers, these units benefit from having no evaporation/water loss and can operate in a closed-loop circuit. Therefore, there will be either no, or very little water treatment/dosing required.





Utilising air blast coolers to achieve Free Cooling is most effective for process applications requiring a higher set point of 15°C+ or for low cost seasonal cooling in the winter months when the cooler ambient air can be used.

We stock a wide selection of rental air blast coolers with dual water circuits to help provide 50% contingency and variable fan speed (by utilising the latest EC fan technology), helping to control the outlet temperature of the water leaving the unit itself.

We can offer a wide range of connecting water hoses, pumps and water tanks with our units if needed.



AIR HANDLING, ROOF TOP & FAN COIL RENTAL

Air Handling Units

Our range of rental air handling units range from **10 kW** up to **350 kW** single units and are individually packaged providing airflow from **2.000m³/hr** to **40.000m³/hr** and can be utilised for both cooling and heating applications.

Small, compact, low-noise single-phase 10 kW and 15 kW units, are ideally suited to cool offices and workspaces during the heat of the summer and can be switched to heat mode for winter heating requirements. These units also work effectively in marquees for discrete space cooling and are effective in conference halls having been used for university graduation ceremonies.

At the larger end of the scale we can supply powerful 50kW rental units which are well suited to data centre refurbishments helping to eliminate downtime, providing supplementary cooling as a sites demand increases.

Our 150 kW and 350 kW units are ideally suited to meet system replacements at sites such as hotels or offices during site refurbishments.

Our **150 kW** and **350 kW** range of rental air handlers are flexible single fan centrifugal units capable of offering **20,000m³/hr (150 kW) – 40,000m³/hr (350 kW)** airflow. These units require a water source to the integral coil and have quick-release water connections, together with a 63amp 3-phase power connection.

The air handler can be sited internally or externally the 150 kW unit has 4x500mm spigots while the larger 350 kW unit has 5x500mm spigots available for free blowing cool air or for connecting flexible ducting to provide cool air in additional areas up to 30metres, with damper control.

These units can be supplied with a condensate pump, boxed GA pleated filters (BS EN 779) and a variable (frequency driven) fan speed control.



Roof Top Units and Flexible Ducting

We offer a fully packaged ventilation, cooling and heating unit specifically designed for external positioning on rooftops and load bearing floors.

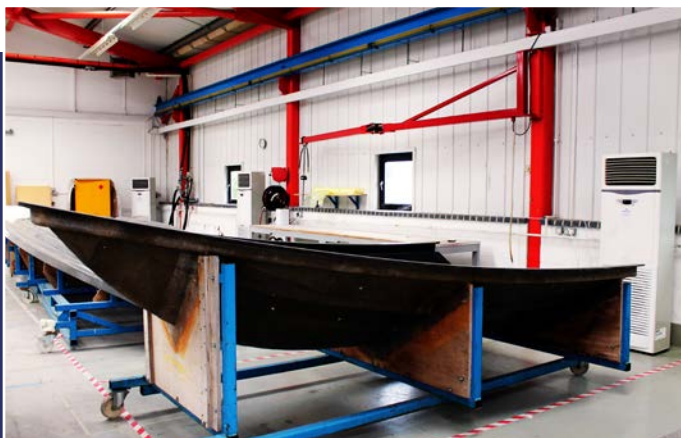
The heat pump unit can be utilised for fresh air or 100% recirculation and, where required, can be controlled by an external thermostat.

Our largest unit is capable of providing 129 kW and 18.000m³/hr airflow via twin 500mm spigots. Flexible ducting or galvanised transition pieces can be provided where required.

Portable Fan Coils

Rental fan coils offer effective cooling and air movement for large space cooling, they serve as an ideal solution for cooling large warehouses for food or flower storage especially during the summer months where existing site cooling may not be able to work effectively in the increased heat.

Units can easily be positioned, either floor standing, mounted on our specially designed rental frames or suspended from walls or ceilings to ensure maximum floor space is maintained. For larger spaces units are supplied in packages to ensure even air distribution throughout a warehouse.



TECHNICAL INFORMATION

Model kW	Sensible Cooling	Heating kW	Max airflow m ³ /hr	Water Connection	Length mm	Width mm	Height mm	Weight Kg dry/wet	Power	Max Amps	Plug
Fan Coils											
10 kW	8 kW	15 kW	2.012	1"	1.960	256	732	40/45	1ph	5	13 amp std (BS1363)
15 kW	10 kW	20 kW	2.000	1"	605	380	1.900	100/110	1ph	5	13 amp std (BS1363)
30 kW	16 kW	50 kW	3.200	1"	588	426	1.840	92/102	1ph	7	13 amp std (BS1363)
Air Handlers											
25 kW	17.5 kW	35 kW	2.800	2"	1.200	750	2.100	300/400	1ph	6	3 Pin C forme 16 amp (BS4343)
50 kW (S)	35 kW	65 kW	5.040	2"	1.500	750	2.250	600/625	1ph	10	3 Pin C forme 16 amp (BS4343)
50 kW (N)	35 kW	100 kW	5.040	2"	1.350	790	2.250	600/625	1ph	7.9	3 Pin C forme 16 amp (BS4343)
150 kW	100 kW	200 kW	20.000	2"	2.610	1.270	2.000	660/695	3ph	11	5 Pin C forme 32 amp (BS4343)
450 kW	250 kW	450 kW	40.000	4"	3.150	2.450	2.300	1.000/1.100	3ph	21	5 Pin C forme 63 amp (BS4343)
Roof Cooling and Heating											
129 kW	85 kW	115 kW	18.000	2"	2.330	2.330	2.420	1.960/2.040	3ph	94	5 Pin C forme 125 amp (BS4343)

LOW TEMPERATURE FAN COILS

Need Chilled Air Fast?

In addition to our standard range of fan coils, we also offer a low-temperature range of units designed to provide a stable below zero air off temperature. Designed and proven over 500 low temperature installations, our LT rental fleet is ideally suited to food production processes or chilled storage providing -5°C air off.

These units are supplied with their own individual real time defrost panels and integral defrost heaters.

Where multiple units are employed in parallel the defrost times can be staggered to ensure the required temperature remains stable.

Specialist Applications

These units can also be used in conjunction with our rental range of dehumidifiers in moist environments and in tempering applications where the timed increase in temperature is critical.

Units can be provided in a frame for ease of positioning on racking or nearby floor areas. Alternatively, they can be supplied without a **frame** and suspended from the ceiling/roof by way of integral cleats.

A full range of heat transfer fluids (food safe, industrial glycols) can be supplied with our range of rental equipment on a rental or outright purchase basis.



TECHNICAL INFORMATION

Model kW	Max Airflow M ³ /hr	Water Connections	Length mm	Width mm	Height mm	Weight Kg dry/wet	Power	Max Amps	Plug
5 kW	3.240	1"cl	1.225 Frame: 1.225	604 800	575 1.000	83/89 140/146	3ph	6	BS4343
10 kW	6.480	1"cl	1.700 Frame: 2.200	604 780	575 930	135/147 210/222	3ph	9	BS4343
25 kW (S)	13.896	2" Bauer	1.775 Frame: 1.940	1.253 1.353	1.376 1.650	325/366 500/541	3ph	15	BS4343
50 kW (S)	27.700	2" Bauer	3.200 Frame: 3.200	1.253 1.353	1.600 1.640	848/926 1.148/1.226	3ph	30	BS4343
DX Low Temperature Coils (-20°C Air off)									
Internal 17 kW	13.000	DX	2.570	1.110	1.170	650	-	-	-
External 17 kW	13.000	DX	2.140	940	2.400	830	13.000	50	BS4343



Portable Sub Zero Low Temperature DX Fan Coil

We offer a range of low temperature fan coils and DX systems regularly used in the food industry for food cooling and chilled storage applications. Standard temperatures for the range offer -20°C air off.

These units are supplied with their own individual real time defrost panels, which when supplied in parallel can be staggered to ensure a stable temperature is provided at all times.



SPECIALIST HIRE SERVICES



Full Project Management

From time to time we are asked to work on site under differing safety and security controls.

Our engineering staff and managers have experienced a wide range of projects and can provide a tailored site specific plan to help manage the contract safely and in a timely manner. We have staff capable of pre-planning major and small projects to exactly match what is called for.

Do not hesitate to ask us for help or flexibility on site. We understand that there will be times when you will need a partner to help your project run smoothly. We are here to help you.



Late Night 24/7

We provide hire solutions to many businesses to meet critical requirements. To support this, we offer an out-of-hours emergency delivery and response service.

We employ a fully-manned out-of-hours call handling service who are linked to our regional service teams and on call engineers, day and night.

We also offer a late night delivery and installation service for pre-planned out-of-hours installations where work has to be carried out. Usually when processes are able to run off-line or the staff in the offices are not working so there is minimal disruption to the business.

Our experienced installation teams can provide a full install and commissioning service for short running projects and week-long fully manned on-site monitoring.



Remote Monitoring

We are able to offer customers and their clients a temporary remote monitoring service to help businesses keep on top of their cooling processes and chiller system operations.

Our Remote X service can monitor up to 4 individual units on one account and provide a complete audit trail of temperatures, alarms and user activity throughout the rental contract.



In addition to this, our service can also measure the following:

- Energy monitoring
- Temperature tolerance notifications
- Data recording via email and SMS
- Access to information 24 hours

We monitor out of hours if required, where alarms are monitored by our in-house service team and managed for critical applications and **24** hour site operations.

Shoreside, Airside and Off-Shore Experience

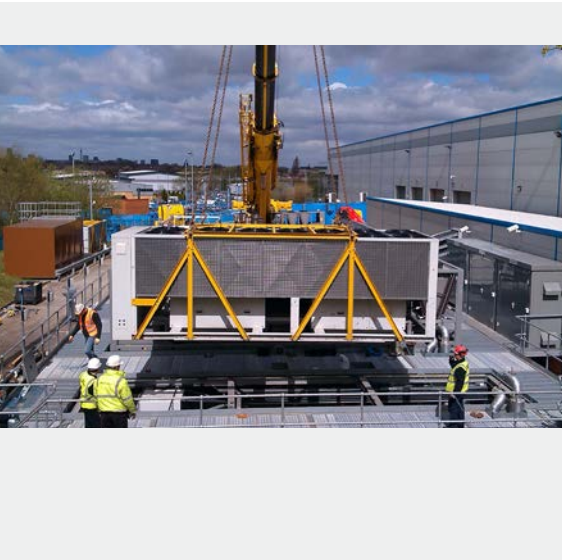
We can offer expert engineering and installation teams to help project manage, interface and install in specialist environments.

We have completed many projects in private and secure areas offering a specialist resource to help manage the most demanding project sites. We have proven experience in restrictive and closed environments, and our pre-planning management is tailored to provide a bespoke service to meet exactly what is required on site.

We can also offer our resources during specific time frames day and night.



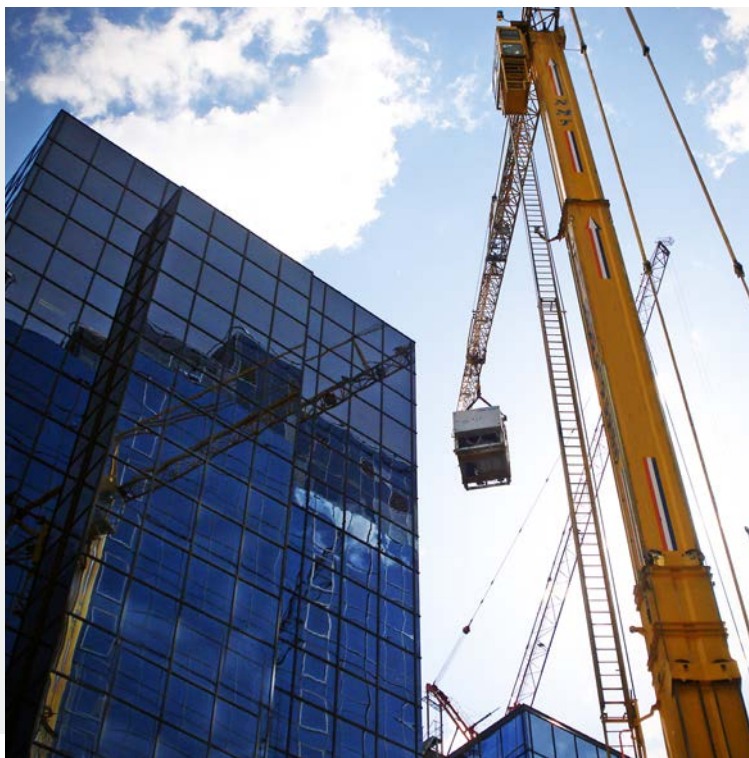
TRANSPORTATION, LIFTING & DELIVERY



We serve you and your clients & deliver direct to your door

To meet the unique requirements of your project, we can also provide:

- **HIAB Lifting and positioning** of equipment on site, where forklifts are not available or accessible.
- **Lift and Shift Services** – where there is a need to safely position equipment in restricted access spaces or underground work areas.



- **Crane Use and Management** – for high level and inaccessible spaces. We work in conjunction with specialist crane experts who arrange all the necessary pre-planning, risk, safety and road management as part of an all-inclusive lifting service package.

- **Portable Equipment Delivery** – need a super-fast delivery of portable heaters or air conditioners? Our local tail lift transport can manage all emergency call outs 24/7, to help you overcome any temporary site breakdowns or shortfalls.

DELIVERIES DAY OR NIGHT



- **Dismantle and Reconstruct** – Flat pack assembly where there is minimal access, we can deliver our equipment in kit form, and then rebuild on site.



ANCILLARY RENTAL PRODUCTS

Heat Exchanger Rental

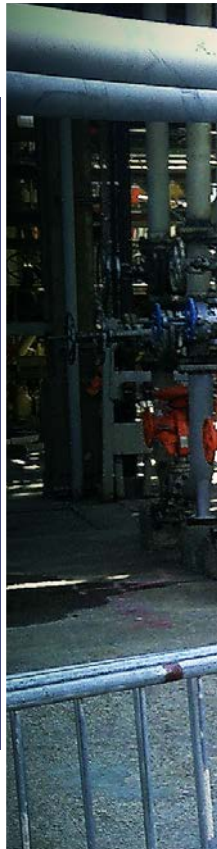
Our wide choice of heat exchangers can be used where there is a need to separate the primary and secondary circuit.

This is usually due to wide temperature differences (when a fluid needs to be cooled from 120°C down to 40°C), high pressures in the system (>5bar), or when fluids are not able to safely pass through our cooling or heating equipment.

Example: Some fluids need special attention as they can be very abrasive and corrosive such as **Calcium Chloride** (CaCl₂) or **Sulphuric Acid** (H₂SO₄). We can manage this with the use of stainless steel or titanium rental units.

This would also apply for **non-ferrous** applications such as food stuffs (eg. milk), potable water or sugar solutions. We would engineer a solution specifically for the process throughput and temperature requirements, taking into consideration the space, practical positioning and available connections on site.

Heat exchangers help us to provide an optimum fluid heat exchange and the best temperature control for the customer. Our rental heat exchangers can be provided as a coil in tank, plate pack or shell and tube, and are fully tested, certified and cleaned prior to despatch.



Pump and Water Tank Rental

Need a pump? We hire circulation pumps with or without our cooling and heating equipment.

Offered as a single skid pump, or as a double run & standby package with auto-changeover, our range of fluid pumps are easy to install. The majority are supplied on an easy-to-lift skid, along with shut off/balancing valves, suitably rated CEE power plugs and isolation as standard.

We standardise our fleet up to 500 m³/hr, but also offer high pressure, low temperature with hard face seals (-40°C), and variable stage pumps where required.



Electrical Cable and Cable Guard Rental

We are able to offer a wide selection of electrical cable from stock, to help connect our rental equipment to your mains supply, locally or remotely.

Our flexible power cable is available from 1.5mm to 240mm 2 per core, along with (BS4343) plug/socket adaptors rated from 16A, 32A, 63A and 125A.

In addition to this, we also stock a range of cable and hose roadway protectors and office cable guards to help with on-site health & safety controls.



SPECIALIST LOW TEMPERATURE APPLICATIONS

Sub Zero Projects

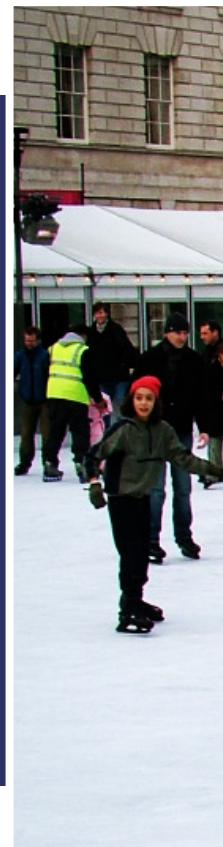
Within our 25 year history we have developed a proven track record of providing dependable and resilient low temperature solutions to serve production processes for industries such as food and chemical, while at the other end of the spectrum we have provided low temperatures to the events and film industry creating special filming effects and cooling for ice rinks.

Our extensive rental fleet is adaptable and can provide powerful low temperature air solutions (-20°C) with fan coils and DX units to effectively cool warehouses for the storage of frozen food; in addition to this unique low temperature rental cooling packages can provide sub-zero cooling through very low temperature fan coils units or with our bespoke built 'Class A' -40°C chillers (250 kW – 600 kW).

Seasonal Ice Rinks

We have worked on seasonal ice rink projects across the UK and Mainland Europe for many years. Throughout this time we have built a portfolio of over 120 ice rink projects each season; working with event companies as well as managing ice rinks in their own right. Our rental fleet is perfectly suited to provide the cooling which creates the ice.

In most instances we provide the complete cooling package including interconnecting hoses, pumps, buffer vessels and where required - generators. With our own dedicated team of engineers we provide complete project management and 24/7 support for each and every project.



Case Study - "A Moving Installation"

We have carried out an extensive range of assignments in our 25-year history, but few so captivating as one recently completed in the music industry with two-time BRIT award winner, Travis.

RSA Films contracted ICS Cool Energy specialist hire team to cool a film set to sub-zero temperatures to create visual effects for the Scottish band's music video for the single "Moving", taken from their seventh album 'Where You Stand'.





The stunning video shows a series of images forming as if by magic from close-ups of the breath that emits from the singers' mouths as they perform the piece. To enable the creative concept to become a reality, they needed an environment cold enough to generate visible breath.

To cool the studio, ICS Cool Energy recommended and installed two off 35 kW externally sited air cooled rental chillers with a -12°C set point creating a temperature of -6°C air, utilising two off internally sited low temperature 50 kW fan coils, which were mounted on a high level frame to maximise floor space and provide a optimal level of air circulation.

The studio was cooled to -1°C removing the thermal load from the studio foundations and cooling the air temperature. Once at the required temperature, the fans were switched off and the air was left to settle ensuring the best conditions to create the desired effect.

Russ Baker, ICS Cool Energy's Sales Director commented: *"Our engineers installed the system to work for the crew on set; all wiring, pipework and connections fed into a*

single switch in the studio, making it quick and easy for the producer to boost cooling temperature.

To limit this, the production team installed lighting with a low heat load and usage of the main lights and computers were minimised. By ensuring that only the essential crew were on set throughout the filming, any further heat build up was minimised.

"There are many elements that generate heat, computers and lighting can be a large heat source as well as people and movement."

Noreen Khan, RSA films producer commented: *"In my experience, ICS Cool Energy not only offered an excellent service but the team provided full back up support to a very unusual and challenging project. Our engineer in particular was completely dedicated and went above and beyond to ensure a smooth install to the project. Both the installation and the end results were outstanding. Thank you to everyone involved."*

COLD STORE HIRE & TEMPERING SOLUTIONS

Cold Store Hire

We have developed an extensive range of cold storage solutions for hire. The systems range from custom-sized, modular, insulated refrigeration rooms to the provision of temporary buildings with complete temperature controlled ambient cooling and heating.

We appreciate that each site has a unique requirement, and many elements to consider for a cold storage project. To ensure the most suitable, reliable and cost effective solution is recommended each site is individually assessed by an experienced engineer prior to a recommendation being made.

Rental solutions for cold storage provide customers with flexibility as the equipment they rent can easily be adapted to meet the needs of a growing business, our cold stores can be designed around a particular space, located internally or externally and fully flexible to meet a business' needs.



Portable Cold Storage

A selection of portable cold storage, chilled container, modular chilled and frozen rooms are available.

The modular systems are internally sited and can be constructed in custom sizes with options for shelving, flooring and racking solutions as well as door options.

They are ideally suited for food storage of fresh ingredients and meats and have also been used in breweries for storing casks of beer or as a walk in freezer for ice cream and frozen storage.



Climastore - Ambient Controlled Space Cooling

We offer flexible temporary buildings to suit a site's exact requirements with the added benefit of a chilled store environment or an air conditioned space.

In addition to this, being a Europe-wide temperature control company, we can offer the latest energy efficient cooling and heating equipment to help manage the cost of cold storage or air conditioned environment.

Our team can provide temporary units on a flexible basis to suit production demands, seasonal turnover and short term emergency projects.

There are many options available to customers to match a site's requirements including flexible building sizes, door and racking options, temperature monitoring with accurate measurements and alarms, drainage and guttering as well as lighting and lift access.

The systems have been used on many sites for seasonal storage of food and flowers before distributing to a network of stores.



AIR CONDITIONER & CLOSE CONTROL - PORTABLE HIRE

Water-Cooled Cool Clima 7,3 kW

We offer a range of portable cooling units designed to provide stable room temperatures in areas where this is critical to the equipment in the same room.

For example server rooms, store rooms, libraries, large office areas and areas where high ambient temperatures need to be controlled.

Our Cool Clima's provide automatic thermostatically-controlled air conditioning, where existing units (ceiling or wall-based systems) have failed, or are now under-sized.

We can offer a temporary solution for a short or long term time scale, with equipment designed to offer consistent performance and accurate temperature control, without all the hassle of a fixed pipe installation – ideal for buildings on short term leases, or events where the project is short term.

All of these units have been designed to offer the following:

- Single phase power supply to offer a fast and easy set-up solution.
- Castors with brakes to help deliver and position where needed.
- High cooling output (7,3 kW/25,000Btu's), in a small unit to effectively cool the local area and make a difference.
- Small and narrow cooling line up to 30m length (100ft).
- Optional cooling hose on front air discharge to provide close-local cooling to server racks or specific areas.





Cool Energy 4,4 kW Air Conditioner

Small, compact and mighty, best describe our new 4.4 air conditioning unit.

The Cool Energy 4.4 is a powerful and efficient all round air conditioning unit. The fully portable unit offers cooling, heating and dehumidifying all in one. Temperatures range from 16°C up to 32°C and can be freely controlled via the supplied remote control or its simple to use interface. Temperatures can also be set throughout the day with its reliable built-in 24-hour timer.

Manoeuvring the 4.4 is incredibly easy thanks to its fitted castors. The unit operates from a standard 13 amp plug and requires a single heat rejection hose which is supplied as standard. With such power fitted into a small unit, the 4.4 is a key office asset – especially with an Energy Efficient Grade of 'A'.



SPOT COOLERS

High Temperature Cooling Areas

Combating specific areas directly affected by heat is a common business problem. Spot Coolers are now used to direct intense cooling to these areas and solve the issues quickly.

The 10,25 kW Spot Cooler is the largest and most powerful spot cooler in our range. Delivering an air movement of 2.000 m³/hr, this unit is easily suited for server rooms, production areas and workplaces.

However, with only an average of 70p/hr running costs, the 10,25 kW Spot Cooler is also an incredibly cost-effective solution to areas constantly affected by heat.

Power Cool 8,2kW

The Power Cool is our medium sized spot cooler providing an incredible air movement with a large volume of 1.500 m³/hr. This is best suited ideally for smaller server rooms, production areas and workplaces. The unit benefits from having three nozzles, which can be directed on several local areas affected by heat.

Mighty Cool 6,7 kW

The Mighty Cool is our most popular spot cooler, and provides air movement of up to 1.170 m³/hr. Best suited for cooling a local area and/or one or two persons. The unit benefits from two adjustable frontal nozzles that can direct air movement onto areas directly affected by heat and people working nearby.

The unit operates from a 13 amp domestic plug and in addition to this, is supplied with a 6" rejection hose. The Mighty Cool unit has been designed for fast rental installation and setup. Moreover, the Mighty Cool's controls are simple to use and require only minutes to operate.



EVAPORATIVE COOLERS

During operation, noise levels are low - which is ideal for prolonged use.

With the natural process of evaporation, only water is needed for the running of the Eco Cool, making it incredibly cost-effective for everyday office use.

Eco Cool

For any worker who is struggling under uncomfortable heat, the Eco Cool has the practicality to refresh any office space. With its portability and tiny footprint, the Eco Cool makes for an impressive office asset. Taking advantage of its hose-less operation, the evaporative cooler can be placed anywhere with its domestic 13amp plug.

The sleek design of the Eco Cool blends in well with its environment, particularly with its easy to use control interface. Set-up takes moments, and with a 40 litre tank, re-filling the Eco Cool is on average only a daily procedure.



COM Cool

Our latest environmentally friendly evaporative cooler is the ultra efficient COM Cool. Capable of providing relief from heat in cooling an area of 100m² and costing on average 20p/hr to run, the COM Cool is the most cost-effective portable cooling solutions we can offer. Designed for fast rental installation and start up, the COM Cool can be running and cooling you down in moments.

Capable of providing relief from heat in cooling an area of 100m² with low costs, the COM Cool is the most cost-effective portable cooling solution we can offer.

ACCREDITATION AND CERTIFICATION

In 2008, ICS Cool Energy successfully gained approval of our Management Systems to register for **ISO9001:2008**.

Followed by our Environmental Management standards for **ISO14001:2004** in 2011, and Occupational Health & Safety Management standards for **BS OHSAS18001:2007** in 2012.



In addition to this, ICS Cool Energy is **Eurovent** Certified and authorised to test and qualify the performance of our Cooling & Heating equipment.



In terms of other major certifications, we are also registered and tested to the **Legionella Control Association** as laid out in their Code of Conduct for service providers.

Please call +31 (0)88 – 258 2580 for more details.



WE ALWAYS SUPPORT. WE DO CARE.



Contact us today

on: +31 (0)88 – 258 2580 or
visit our website: www.icscoolenergy.nl



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