

Specialist Chiller Rental Service



Industrial



Buildings



Food



Events

Packaged fluid chillers

Air handlers

Fan coils

Air conditioners

Chill store coils

Heaters

Boilers

Ice rinks

Dehumidifiers



coolenergy

TEMPERATURE RENTAL





My staff and I are rightly proud to be working for Cool Energy as we have achieved and supplied a wide variety of customers

over the past five years with, what we believe, is a first-class rental service.

Our customers are happy too because earlier this year we spoke to them all and they gave us a 97.8% satisfaction rating, but that hasn't stopped us from planning ahead to provide an even better service in the future for our customers in the UK and Europe.

We are growing and now that we have a fleet of some 100mW equipment, we are ready to meet the needs of our customers and trade partners, and represent our industry in the best we can by supplying the latest energy saving, economic and resilient kit.

Reliability is our watchword. The company's equipment and staff are managed, tested and trained to support you and your clients to the best of their ability. We can be flexible and creative. If after reading this brochure you still can't find what you're after, call us free on **0800 169 3861** and we will do our very best to provide you with a solution.

Thank you for your time,

Russell Wilson
Director, Cool Energy



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An experienced,

About us – who we are and what we do

Cool Energy is a specialist cooling and heating rental company, providing chillers from 0.3kW to 1,000kW single units, air conditioning air handlers, chilled storage fan coils, office fan coils and portable cooling/heating units.

We are the only company in the UK to provide Class A energy efficient range of chillers together with equipment offering the smallest footprint units on the market.



Cool Energy offers a truly nationwide service, together with depots in Dublin, three locations in Germany (Munich, Stuttgart and Dortmund) and one in Italy near Padova.

- We provide process and HVAC cooling packages for breakdown, planned maintenance and long-term rental to help supply cooling to process applications and buildings. We also offer rental packages to tenants with long and short-term leases as an alternative to buying for a building they may move from.
- We supply air conditioning plant to factories, pharmaceutical and commercial buildings and locally cool from one room to an entire building.
- We specialise in providing chilled air to food factories by using low temperature fan coils and chillers offering 4°C and below, supplying small packing lines to large distribution centres. We also build temporary chill store structures for long-term, seasonal or short term emergency storage.
- Within the entertainment industry Cool Energy provide climate control and temporary ice rinks for city centre, film production and private parties completing 42 such projects throughout the winter 2007/8 season.



reliable resource



Cool Energy can also provide and manage the following additional services as part of our support package for customers to draw from:

- **A wide range of electric, indirect fired and heat pump heating.**
- **Hot water generators and water boilers to produce warm air and clean water offering 3kW – 500kW single unit duties.**
- **Portable desiccant dehumidifiers and humidification 200 – 10,000m³/hr.**
- **Air handlers with air flows providing 1,000 – 60,000m³/hr.**
- **Air conditioners capable of 3kW – 1,000kW climate control duties.**
- **Air distribution for warehouse, packing halls and marquees using large diameter perforated air socks for food grade and industrial use.**
- **Power generators for temporary or long-term electricity supply.**



Cool Energy low temperature warehouse cooling

For further information or to request a site survey please contact us free on **0800 169 3861** or locally from our website at www.coolenergy.co.uk.



Proven technical

Industrial Markets Served

Nuclear power outages and turbine hall refits

Chemicals batch and exothermic processes

Pharmaceutical production, packaging and storage

Plastics and rubber processing

Laser welding, cutting and medical

Ship, vessel and submarine cooling

Car plant and paint shop cooling

Printing (roll, web and vacuum)

Metals – processing and transformation



Specialist oil refinery applications

Rental cooling equipment for industrial process

Experience counts when you manage any industrial process application and knowledge is key when external resources are used to improve bottlenecks, fix breakdowns or slipstream existing process plant.

Cool Energy are experienced and we are aware that every site is unique so we do not take anything for granted. Therefore, when invited, we use our specialist knowledge to fully understand your requirements and site-specific needs before we recommend a solution.

We will offer you a practical, performance and commercial assessment for you and your teams consideration so that you know what we can offer and on what basis.

Cool Energy have experience in working on nuclear, chemical, pharmaceutical, plastics, MOD and aquatic processes, including storage.

We specialise in tailor-made packages, the supply of new equipment if none is in stock, specially made pump & tank skids for water distribution, specialist chillers (ATEX/low temperature etc) for rental supplied by our sister company **ICS Industrial Cooling**.

We have the flexibility of equipment and human resource to provide a creative solution to your short or long term rental requirements.



Specialist R&D testing rig


coolenergy
TEMPERATURE RENTAL



application knowledge

Do you need a chiller or cool water source?

Cool Energy have a wide range of air and water-cooled chillers offering units capable of 0.3kW to 1,000kW from one single piece of equipment. These can supply small laboratory applications to the largest nuclear power station outages.



Ship refurbishment application

We can help to reduce your power costs and provide a stable temperature to your process should you have power restrictions on site or faulty equipment.

We specialise in ambient related short falls, de-bottlenecking process plants, pilot plant cooling for trials, slip streaming petrochemical applications, enhancing cooling performance and reducing emissions by condensing.

Do you want to improve your process and reduce downtime?

Cool Energy can provide cool air and water to localised areas to spot cool your process and trial this with you to help provide additional performance.

We can assist in your process product quality and reduce any shut down by providing coverage during any system faults or unplanned maintenance. Our range of high flow air handling systems coupled with chillers can provide additional cooling to fin fan coolers, dense air injected systems, pharmaceutical stores and relief for compressed air plantrooms.

We specialise in tablet storage, spot cooling and chilling test rigs, injection moulding, coverage during compressor changes and cooling for dehumidifiers.

Cool Energy can provide the piece of mind you need by supplying weekly routine maintenance checks by dedicated staff or we can offer a remote monitoring facility if required.

Need a fast turn-around to meet demand?

We can offer you and your company:

- Same or next day site survey by an experienced local engineer to qualify your engineering, process and commercial requirements.
- Supply the largest dedicated rental refrigeration installation and commissioning team in the UK, with 24-hour coverage throughout supply.
- Remote monitoring and preventative maintenance coverage.
- Provide relevant references and case studies to you where possible.
- Supply equipment with CE marking and fully tested prior to despatch.
- Have always at least 100 chillers in stock at any one time with the option to purchase after the rental period.

Engineers at Poole, Southampton, London, Canterbury, Bristol, Birmingham, Derby, Manchester, Bradford, Glasgow and Dublin.

For further information or to request a site survey please contact us free on **0800 169 3861** or locally from our website at www.coolenergy.co.uk.



Cooling a printing production area



Applications and Services

Water and air cooled chiller supply for plantroom refurbishments or breakdowns

Supplementary cooling for local works

Hospital cooling for MRI Scanner, clean room and HVAC plant

Data suite and computer room close-control cooling

Office air conditioning – whole building or local and single office cooling/heating

Heat load testing of buildings prior to commissioning

100% redundancy cover on all packages where requested

Run & standby pump packages

Personnel on site 24/7 to cover for any eventuality

All lifting and crane management



150kW cooling package with small footprint



Low noise equipment cooling a data storage facility

Rental cooling equipment for buildings

Temperature control within facilities day and night can be critical, whether it is for staff, data storage or building integrity. Cool Energy has a wide-ranging knowledge in the many aspects of HVAC and localised cooling in buildings and we have a real practical appreciation of working in these environments, be they city-based or provincial.

We know that your customers and clients want the minimum disruption with the most resilient of system – be it a 20 storey building or a data suite requiring close temperature control over a weekend, Cool Energy can deliver on time, low disruption and with a vast amount of experience.

We have the flexibility of equipment – meaning that we have lightweight, low noise kit and on a small footprint, together with flexible water pipe work, cabling and air distribution to provide a simple and creative solution to your short or long term rental requirements.

Do you need a chiller on a roof, In an underground car park or locally?

Low CO₂ emission – energy efficient range of air and water-cooled chillers together with equipment offering the smallest footprint units on the market, Cool Energy can help provide a stable temperature to your building with low noise options up to **54dB(A)**, remote monitoring day and night with planned delivery and installation anytime to suit you.

We specialise in the reduction of cooling tower temperatures, coverage during refurbishments, breakdowns and cooling overheating data storage facilities.



Practical, energy efficient rental provider

Unsure of what you need or want to plan for the future?

Your building may have old or unreliable plant or a planned annual shutdown. Cool Energy can provide you with a site-specific **Contingency Plan** covering the details of the equipment on site, method of install, timescales, costs and advise whether you need to make any remedial works beforehand.



Wide range of fan coils and close-control units

We offer this as part of our specialist service to the industry and can visit your site to suit, together with our local engineering and installation resource. Cool Energy have completed projects for the Government, hospitals, airports, internet service providers and commercial businesses.

We specialise in climate control in localised offices, planning for emergency situations, failure of services and additional capacity for short term needs.

Don't want to Invest In cooling because you have a short-term lease?

From time to time our clients' equipment fails or they need to upgrade their plant due to expansion. However, they know that they will not be in the building for the long term and do not want to buy. They want to see if it would be commercially beneficial to hire and not invest their capital.

Cool Energy can supply brand new equipment to suit your buildings' requirements and install it on a fixed basis for as long as you need. You keep your capital in the bank and we charge you at a fixed rate every month so that you can budget and also maintain the system throughout the period as part of the price.

Need a fast turn-around to provide an immediate solution?

We can offer you and your company:

- **Same or next day site survey by an experienced local engineer to qualify your building and commercial requirements.**
- **BMS connectivity and preventative maintenance coverage.**
- **Provide relevant references and case studies to you where possible.**

Engineers at Poole, Southampton, London, Canterbury, Bristol, Birmingham, Derby, Manchester, Bradford, Glasgow and Dublin.

For further information or to request a site survey please contact us free on **0800 169 3861** or locally from our website at www.coolenergy.co.uk.



Cool Energy managing lifting, road closure and project installation



Flexible, resilient,

Food Production Applications

Cooling non-ferrous systems and potable water

Crop picking, cleaning and storage

Ready meal production (vessels and packing)

Cooling the throat of soft drink filling machines

Fish farming

Brewing and distilling and the storage of goods

Wine production cooling

Cooling brine systems

Climate controlling warehouses during high summer temperatures

Cooling of products prior to packing

Rental equipment for food and beverages



Cooling a biscuit production line

We know that food processing, packaging and storage is provided in many forms and in variable timescales to suit demand. Seasonality, temperature and space are also key factors when able to efficiently manage a solution, which is where

Cool Energy are specialists in understanding and meeting the needs of each individual application.

We have the flexibility of equipment and human resource to provide a straightforward or creative remedy to your short or long term rental requirements.

Do you need a chiller or cold water source?

The only company in the UK to provide Class A energy efficient range of chillers together with equipment offering the smallest footprint units on the market, Cool Energy can help to reduce your power costs and provide a stable temperature to your process, heat exchanger, tank, vessel and production equipment.

We specialise in the reduction of fobbing, pasta cooling, jacketed vessels, food-safe clean water, distillation, cooling tower and waste water heat reduction.



Low temperature food safe application



food safe equipment



Ceiling mounted low temp coil

Do you need a cooler environment for your staff or products?

Your warehouse, production facility or packaging hall may need temporary seasonal cooling during high production periods or summer ambient

temperatures. Cool Energy can provide cooler air in localised areas to spot cool or manage whole warehouse environments.

We can assist in the product quality and maintenance of your products with our range of high flow air handling systems coupled with chillers to provide adjustable and up to 100% recirculation systems to ensure energy efficiency.

We specialise in chocolate, bakery, biscuit, sugar, soya, coffee, cereal and potato storage.

Do you need chilled air and a sub 4°C temperature fast?

From time to time your equipment might fail, need maintenance or you need to convert an ambient store in to a chilled store for an unplanned project.

Cool Energy supplies chilled air to food factories and storage facilities either on a fast next day rental basis or for long term projects – including the supply of insulated temporary chilled buildings, a product we call Climastore.

We have a proven track record of providing dependable and resilient low temperatures in store to satisfy the demands of our customers. We use low temperature fan coils and chillers provided on stands (where required) to free up space, together with recording equipment and automatic defrost facilities.

We specialise in dairy, coleslaw, vegetable, fruit, flowers, fruit juice and packaged meals.

Need a fast turn-around to meet demand?

We can offer you and your company:

- **Same or next day site survey by an experienced local engineer to qualify your engineering, process and commercial requirements.**
- **Supply the largest dedicated rental refrigeration installation and commissioning team in the UK, with 24-hour coverage throughout supply.**
- **Remote monitoring and preventative maintenance coverage.**

Engineers at Poole, Southampton, London, Canterbury, Bristol, Birmingham, Derby, Manchester, Bradford, Glasgow and Dublin.

For more information
visit our website at
www.coolenergy.co.uk



Regional distribution centre cooling project



Bespoke equipment

Low noise air conditioning up to 54d(B)A

The latest environmentally safe equipment with Class A status

Wide range of temperature control from rainforest to sub-zero climates

Variable air control and frequency driven motors, with ducting and air diffusion

Creation of 'frosted breath' within localised sets and locations

Specialist small footprint equipment with lightweight design

Super silenced power generators with distribution and fuel management



Environmentally friendly Cool Energy outdoor temporary ice rink

Specialist ranges to support your project

Heating and cooling equipment for film and events

We know that planning, preparation and organisation is key to the success of an outdoor event, film production or city centre ice rink, and that is why Cool Energy has built a reputation for dedication throughout the entertainment industry.

We have used our specialist experience in the refrigeration marketplace to provide purpose-built low noise climate control equipment and our most recent projects have included work for the BBC, Channel 4, British Sky Broadcasting, The Eden Project and cooling to 42 temporary ice rinks throughout Europe.

Flexible and creative resource

Cool Energy are used to variable timescales, the weather, and space restrictions and can provide resilient equipment with built-in redundancy to a multitude of applications in variable locations. Moreover, we can simulate seasonal temperatures by providing sub zero air temperatures to create effects, ice walls and increase this to high ambient temperatures with hot water generator and air handlers if required.

We have a wide range of equipment and the flexibility to offer you a bespoke package, with experienced engineering resource to provide a simple and creative remedy to your short or long term rental requirements.





Complete package design and events management

We specialise in film set cooling, studio heating and cooling, marquee climate control and temperature control to sporting and public performance venues.



24 hour project control and site maintenance

Do you need a cooler environment for your production?

Your warehouse, pre/post-production facility or set may need temporary seasonal cooling or heating during short or long term periods,

Cool Energy can provide nationwide and European supply to internal, outdoors and on location filming.

We can supply high and low humidity control, ductable systems to direct air remotely, variable speed fans, air movers and air conditioning to any size.

Do you need a real Ice rink for public or private use?

No problem. Cool Energy have a wide experience in this specialist marketplace and can provide you with the cooling plant, temporary power supply, ice floor and barriers to suit. From time to time you may need a more flexible option and design or a marquee built over the rink – we can manage this for you too. We

can design and specify the correct rink for your requirements and budget, together with an indication of how other projects performed and case studies for you to appreciate.

Our low temperature cooling plant is proven and offers the most economic power use and boasts the latest environmentally safe and benign refrigerants.

We specialise in ice floors for commercials, feature films, ice walls and seasonal city centre public skating packages.

Engineers at Poole, Southampton, London, Canterbury, Bristol, Birmingham, Derby, Manchester, Bradford, Glasgow and Dublin.



Specialist project control for public events

For further information or to request a site survey please contact us free on **0800 169 3861** or locally from our website at www.coolenergy.co.uk



Our Specialist Rental Products

- **Chillers** from 0.3kW to 1,000kW single units including water-cooled, heat pump and non-ferrous food safe. Low temperature models offering -30°C.
- **Air handling units** from 5kW to 500kW portable single units offering 100 - 60,000m³ air movement, with variable fan speed control. Sub 4°C internal fan coils for food safe environments.
- **Air conditioning** from 1.3kW to 350kW single units, consisting of portable, evaporative office units, ceiling and floor standing fan coils, roof mounted ductable systems and close-control units for data storage suites.
- **Dehumidifiers** (desiccant and electric) and humidification 200-10,000m³/hr.
- **Real ice rinks** from small 100m² sizes to large outdoor city centre locations. We can supply a complete package including marquee, ice skates, power, lighting and associated services.
- **Heating** from 3kW to 200kW portable single units offering electric, indirect fired and heat pump.
- **Hot water generators** and water boilers to produce warm air and clean water offering 25kW to 500kW single unit duties.
- **Air distribution** for warehouse, packing halls and marquees using large diameter perforated air socks for food grade and industrial use.
- **Power generators** for temporary or long-term electricity supply.



How to Contact Us

Cool Energy offers a truly nationwide service, together with depots in Dublin, three locations in Germany (Munich, Stuttgart and Dortmund) and one in Italy.

Call us direct on **0800 169 3861** or locally via our website www.coolenergy.co.uk or www.coolenergy.de

