

Air Conditioning Services



Birdsall

Take a New Perspective





Air Conditioning Optimisation

Operating an air conditioning system in a commercial building is costly.

If the system is not optimised to achieve energy efficiency and reliability then that cost will increase. Inefficient use of energy also results in unnecessary carbon emissions.

The Birdsall optimisation service is designed to ensure the air conditioning system is correctly set up to meet the buildings particular operational requirements whilst achieving high energy efficiency and reliability.

Optimised, the monetary savings of an air conditioning system over the course of a year can be considerable. Additional

improvements if not already used such as free cooling and variable speed drives can further increase efficiency.

The performance analysis undertaken can also reduce downtime and associated downtime costs through proactive actions.

An air conditioning maintenance service with Birdsall includes optimisation during each service.

Our Energy Bureau is available to monitor your air conditioning system 24/7. Should there be a fault or a drop in performance an alarm will alert our Bureau to take immediate action, reducing both costs and downtime.

Key Elements of Optimisation are:



Performance Analysis - detailed picture of how the air conditioning system is performing, highlighting all areas of poor performance and inefficiency



Performance Improvements - proactively address all faults and inefficiencies



Performance Monitor - implement ongoing 24/7 performance monitoring to maintain high efficiency all year round.

Save money and energy by optimising your air conditioning



Air Conditioning Maintenance

An air conditioning system must be effectively maintained to ensure it operates efficiently, reliably and is compliant to regulations.

A Birdsall air conditioning maintenance service includes three key elements;

Element 1 – Performance Analysis

Performance Analysis is undertaken to determine in detail how the air conditioning system is performing. An engineer will analyse the performance data to identify any inefficiencies, faults, potential faults and deviating operating parameters.

Element 2 – Implement Optimisation Improvements

Implementation of all optimisation improvements to ensure optimum efficiency. Repair of all faults and developing faults is undertaken and the air conditioning system recommissioned to operate to the current required parameters.

Element 3 – Compliance

Complete all improvements and record all changes to meet regulatory compliance.

Types of Air Conditioning:

- ✓ Air Cooled Chillers
- ✓ Water Cooled Chillers
- ✓ Screw Chillers
- ✓ Absorption Chillers
- ✓ VRV & VRF Systems
- ✓ Splits & Multi-splits

Birdsall provide
a genuine 24/7
service 365
days a year



Air Conditioning Projects

The Birdsall air conditioning project team are experienced and capable of undertaking all types of air conditioning designs & installations.

Whether an additional air conditioning system is required or a chiller needs replacing, the Birdsall team are ready to deliver.

Our in-house design team will provide alternative options and advice before a final selection is made. Where free cooling & heat recovery options are suitable we would provide free designs & payback calculations.

Our team will manage the project right from design stage, the installation and through to final commissioning before handing over the project to the customer and our maintenance team.

The air conditioning maintenance engineer would be consulted when commissioning takes place to ensure any new system or chiller is set up correctly to the buildings requirements.

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Birdsall provide
a free design
service

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Birdsall Accreditations



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