

SUPPORT FOR BUSINESSES TO
MEET THEIR CCA TARGET

YOUR FEDERATION: SUPPORTING THE INDUSTRY TO MEET OUR CCA TARGETS

**DATA & TECHNICAL
SUPPORT**

**POLICY
LEADERSHIP**

EVENTS

GUIDANCE



TECHNICAL SUPPORT

- CCA Helpdesk
- We have a wide range of associate members who can support you on your energy efficiency journey!

KMG
architecture - engineering - infrastructure



Stancold

ASSA ABLOY
Entrance Systems

SSI SCHÄFER

STYNE
REFRIGERATION



STAR
REFRIGERATION

EMERSON

GLAMOX **LUXONIC**

Kingspan

LS
LOADING
SYSTEMS

Hydratech

Onsite Energy
projects

Swancote
Energy

INSPIRED
ENERGY



GRF
Industrial Flooring Specialists

mypower
solar professionals

COLD CLAD

evic

Russell WBHO

ForrestBrown
R&D tax credit consultancy

j R Industries Ltd

Bluseal
DOORS

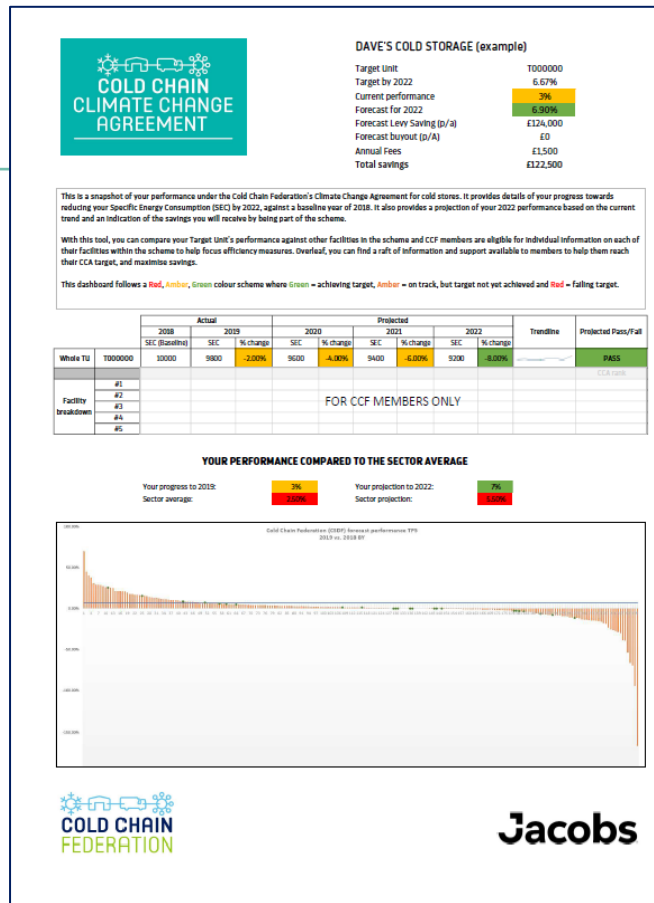
CENTRAL INSULATIONS

iAuditor
by SafetyCulture



DATA SUPPORT

- Snapshot of your performance in TP5 and projections to 2022
- Comparison of performance with other facilities in the scheme
- Members will also receive comprehensive details of support available to help achieve the new target
- Available from January!



POLICY LEADERSHIP

- CCA scheme, or equivalent beyond 2025
- Other carbon and energy policies
- Funding & grants for businesses to improve energy efficiency
- Net Zero project



EVENTS

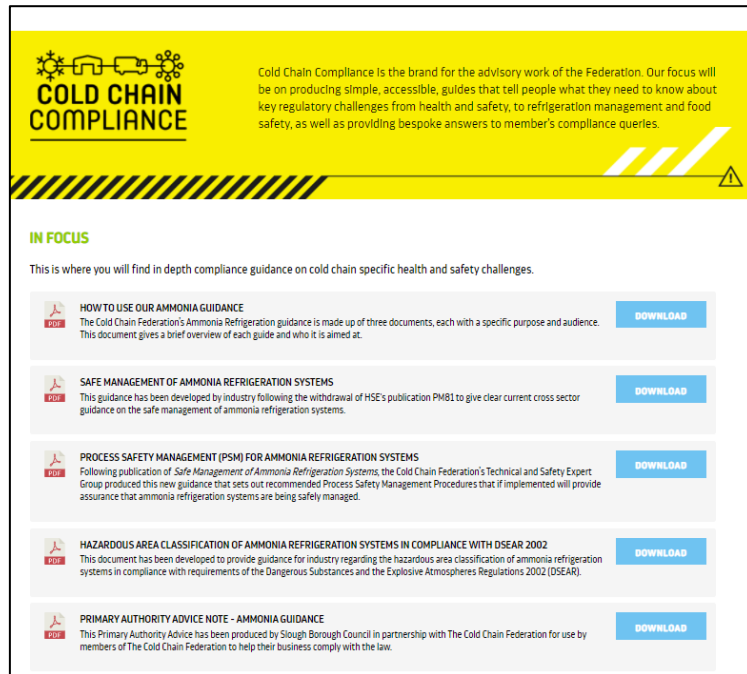
- 2020 has been full of (virtual) events



- Lots more to come in 2021 and beyond....



GUIDANCE








COLD CHAIN COMPLIANCE

Cold Chain Compliance is the brand for the advisory work of the Federation. Our focus will be on producing simple, accessible, guides that tell people what they need to know about key regulatory challenges from health and safety, to refrigeration management and food safety, as well as providing bespoke answers to member's compliance queries.

IN FOCUS

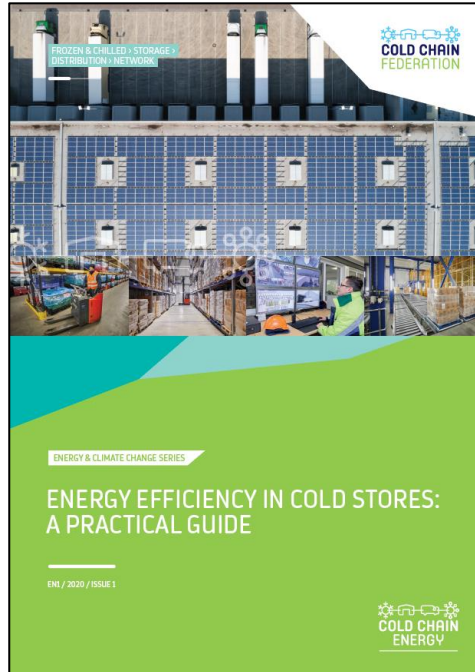
This is where you will find in depth compliance guidance on cold chain specific health and safety challenges.

 HOW TO USE OUR AMMONIA GUIDANCE The Cold Chain Federation's Ammonia Refrigeration guidance is made up of three documents, each with a specific purpose and audience. This document gives a brief overview of each guide and who it is aimed at.	DOWNLOAD
 SAFE MANAGEMENT OF AMMONIA REFRIGERATION SYSTEMS This guidance has been developed by industry following the withdrawal of HSE's publication PM81 to give clear current cross sector guidance on the safe management of ammonia refrigeration systems.	DOWNLOAD
 PROCESS SAFETY MANAGEMENT (PSM) FOR AMMONIA REFRIGERATION SYSTEMS Following publication of <i>Safe Management of Ammonia Refrigeration Systems</i> , the Cold Chain Federation's Technical and Safety Expert Group produced this new guidance that sets out recommended Process Safety Management Procedures that if implemented will provide assurance that ammonia refrigeration systems are being safely managed.	DOWNLOAD
 HAZARDOUS AREA CLASSIFICATION OF AMMONIA REFRIGERATION SYSTEMS IN COMPLIANCE WITH DSEAR 2002 This document has been developed to provide guidance for industry regarding the hazardous area classification of ammonia refrigeration systems in compliance with requirements of the Dangerous Substances and the Explosive Atmospheres Regulations 2002 (DSEAR).	DOWNLOAD
 PRIMARY AUTHORITY ADVICE NOTE - AMMONIA GUIDANCE This Primary Authority Advice has been produced by Slough Borough Council in partnership with The Cold Chain Federation for use by members of The Cold Chain Federation to help their business comply with the law.	DOWNLOAD



All free to download at: www.coldchainfederation.org.uk

ENERGY EFFICIENCY GUIDE




- 1:** Understanding the current and future energy policy landscape and the challenge ahead.
- 2:** The energy usage of the cold storage sector and recent progress under the Climate Change Agreements (CCA).
- 3:** Assessing energy usage in a cold store and building the business case for energy efficiency investments.
- 4:** Practical measures to reduce energy usage.
- 5:** Challenging behaviour throughout the workforce to achieve efficiency measures.
- 6:** Assessing the options for utilising renewable energy within a cold storage operation.

Download for free: <https://www.coldchainfederation.org.uk/energy/>



ENERGY EFFICIENCY GUIDE



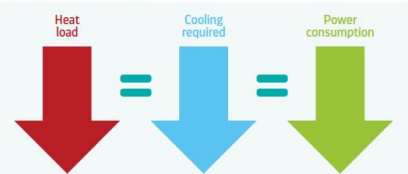
4 / PRACTICAL MEASURES TO IMPROVE ENERGY EFFICIENCY /

This chapter focuses on the most common maintenance, procedural changes and investments a cold store operator can make to reduce energy usage in their cold stores. The section is split into two sections focusing on minimising chamber heat loads and maximising efficiency in refrigeration systems.

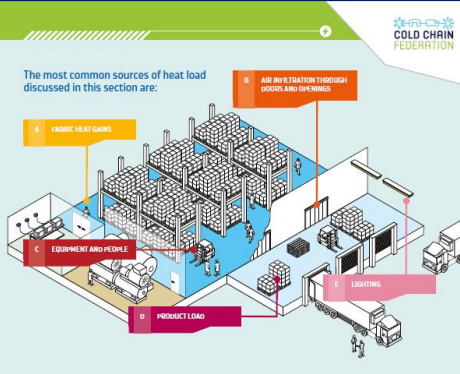
The recommendations in this section are proven to reduce energy usage and therefore lower energy bills. Where possible, an indication of the savings which can be made from a particular measure are given, however this is highly variable depending on the specific cold store. It is recommended during the procurement of new equipment, the detailed energy potential of the measure is requested from the supplier.

COLD STORE CHAMBER HEAT LOADS

Effects of reduction in heat load



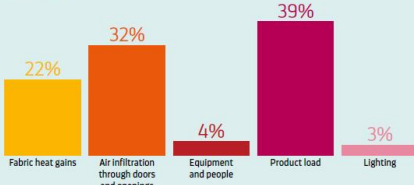
Cold Chain Federation



The most common sources of heat load discussed in this section are:

Typical cold storage heat loads

The main heat loads in cold storage vary, depending on how the building is used. Where cold storage has a high product throughput and the product is arriving warm, the dominant heat gain factors are air infiltration and product cooling load. It is common when product throughput is low that the air infiltration through doors would also be low. The graph shows typical cold store heat loads, where the product throughput is high and the product arrives warm.



Heat Load Source	Percentage
Fabric heat gains	22%
Air infiltration through doors and openings	32%
Equipment and people	4%
Product load	39%
Lighting	3%

Energy Efficiency in Cold Stores: A Practical Guide

- Partnered with SafetyCulture to produce a free checklist to begin to develop an action plan for energy efficiency

SafetyCulture / Cold Chain Federation Partnership



27,000+
Organizations

1M registered users
82 Countries

600M
Checks per year



SafetyCulture

Partnership to support Cold Chain members



The Cold Chain Federation has put their Energy Efficiency guide into iAuditor to support members to achieve their energy efficiency goals.





Damon Williams - Senior Account Exec

Quality Control

Health and Safety

Operations & Efficiency

Fire Risk





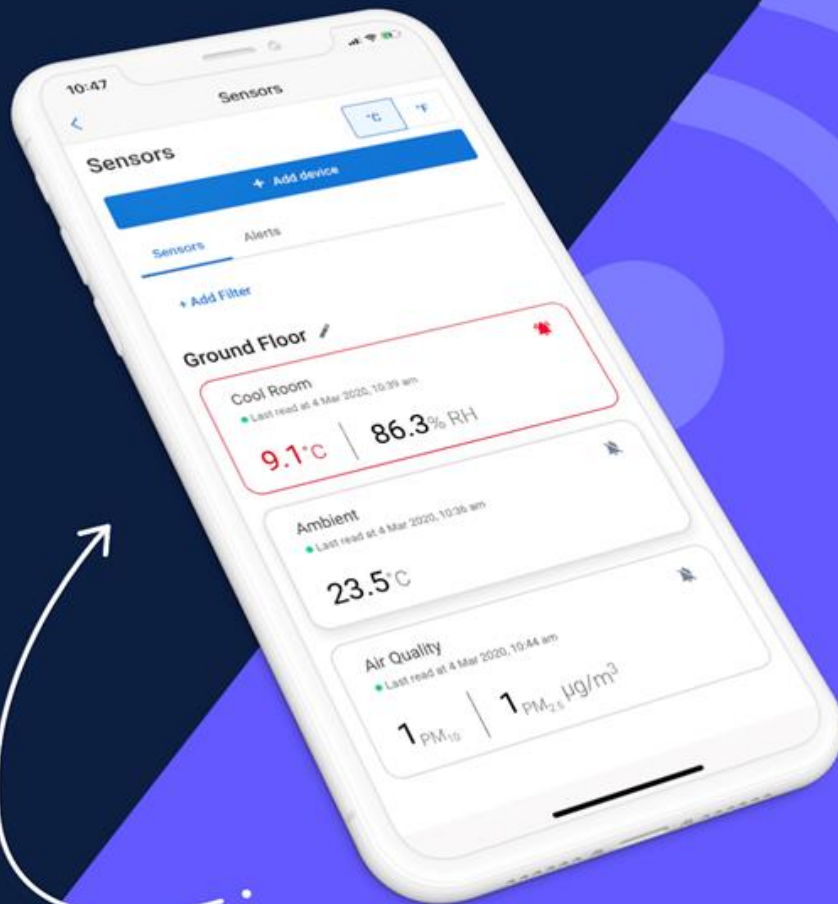
700+
Freezers

**Can't do the
checks**

**Thousands
Of pounds in stock**



Put your ~~people~~ data to work



Product Demo

How do I access this?

You can sign up for **free access** to these inspections, audits and checks using the iAuditor app on the dedicated our CCF page: <https://safetyculture.com/cold-chain-federation/>

Cold Chain Federation has partnered with SafetyCulture to support members in raising their standards, for free.



Cold Chain Federation members can now optimise their operations by accessing the Energy Efficiency Guide in iAuditor, a mobile and web platform used to provide visibility and insights into raising safety and quality standards across an organisation.

How do you get started?

- Complete and submit the form opposite to activate your free iAuditor account.

Get started for free





Questions?



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