

# SIA

ecodesign  
ready



# Ecodesign Ready

The future has arrived. The stoves of tomorrow are here today

# The Stove Industry Alliance

The Stove Industry Alliance (SIA) was formed in 2008 to promote the benefits of wood-burning stoves. The SIA represents the majority of manufacturers and distributors of stoves, wood suppliers and allied equipment, operating in the UK.

There are over 1.25million stoves in the UK and annual sales are in the region of 200,000 stoves. It is estimated that the industry employs 25,000 people and had a turnover of £400 million in 2015.

Our mission is to “To promote and explain the benefits and environmental advantages of stoves as heating appliances.”

We are working together with government departments to develop stoves that will efficiently heat our homes and significantly reduce the production of CO<sub>2</sub> and other emissions.



## Members of the SIA

### Stove Manufacturers & Distributors

ACR Heat Products	<a href="http://www.acrheatproducts.co.uk">www.acrheatproducts.co.uk</a>
AGA	<a href="http://www.agaliving.com">www.agaliving.com</a>
Arada	<a href="http://www.aradastoves.com">www.aradastoves.com</a>
Charlton & Jenrick	<a href="http://www.charltonandjenrick.co.uk">www.charltonandjenrick.co.uk</a>
Charnwood	<a href="http://www.chnwood.com">www.chnwood.com</a>
Chesney's	<a href="http://www.chesneys.co.uk">www.chesneys.co.uk</a>
Contura	<a href="http://www.contura.eu/en/English">www.contura.eu/en/English</a>
Dimplex	<a href="http://www.dimplex.co.uk">www.dimplex.co.uk</a>
Docherty Chimney Group	<a href="http://www.docherty.co.uk">www.docherty.co.uk</a>
Dunsley Heat	<a href="http://www.dunsleyheat.co.uk">www.dunsleyheat.co.uk</a>
Euroheat	<a href="http://www.euroheat.co.uk">www.euroheat.co.uk</a>
Eurostove	<a href="http://www.eurostove.co.uk">www.eurostove.co.uk</a>
Firestorm Stoves	<a href="http://www.firestormstoves.co.uk">www.firestormstoves.co.uk</a>
HV Skan	<a href="http://www.skan.co.uk">www.skan.co.uk</a>
Jøtul	<a href="http://www.jotuluk.com">www.jotuluk.com</a>
Mi Flues	<a href="http://www.mi-flues.com">www.mi-flues.com</a>
Morsø	<a href="http://www.morsoe.com/uk">www.morsoe.com/uk</a>
Percy Doughty	<a href="http://www.percydoughty.co.uk">www.percydoughty.co.uk</a>
Pevex Enterprises	<a href="http://www.woodstoves.co.uk">www.woodstoves.co.uk</a>
Specflue	<a href="http://www.specflue.com">www.specflue.com</a>
Stovax	<a href="http://www.stovax.com">www.stovax.com</a>
The Stove Yard	<a href="http://www.thestoveyard.com">www.thestoveyard.com</a>
Valor	<a href="http://www.valor.co.uk">www.valor.co.uk</a>
Woodwarm	<a href="http://www.woodwarmstoves.co.uk">www.woodwarmstoves.co.uk</a>

### Chimney & Flue Manufacturers

Dinak	<a href="http://www.dinakchimneys.com">www.dinakchimneys.com</a>
Docherty Chimney Group	<a href="http://www.docherty.co.uk">www.docherty.co.uk</a>
Exodraft	<a href="http://www.exodraft.co.uk">www.exodraft.co.uk</a>
Mi Flues	<a href="http://www.mi-flues.com">www.mi-flues.com</a>
Poujoulat UK	<a href="http://www.poujoulat.co.uk">www.poujoulat.co.uk</a>
Schiedel Chimney Systems	<a href="http://www.schiedel.co.uk">www.schiedel.co.uk</a>
SFL Flues & Chimneys	<a href="http://www.sflchimneys.com">www.sflchimneys.com</a>
Specflue	<a href="http://www.specflue.com">www.specflue.com</a>
Stovax	<a href="http://www.stovax.com">www.stovax.com</a>

### Fuel Suppliers

Certainly Wood	<a href="http://www.certainlywood.co.uk">www.certainlywood.co.uk</a>
CPL Industries	<a href="http://www.cpldistribution.co.uk">www.cpldistribution.co.uk</a>

### Glass Manufacturers

Southern Ceramic Supplies	<a href="http://www.ceramicglass.co.uk">www.ceramicglass.co.uk</a>
Stove Glass	<a href="http://www.stove-glass.com">www.stove-glass.com</a>

### Industry Supporters

HETAS	<a href="http://www.hetas.co.uk">www.hetas.co.uk</a>
Kiwa GASTEC at CRE	<a href="http://www.kiwa.co.uk">www.kiwa.co.uk</a>
Solid Fuel Association	<a href="http://www.solidfuel.co.uk">www.solidfuel.co.uk</a>

# News Release

**Ecodesign Ready.** The stoves of tomorrow are here today.



The recent air quality episode in London has brought home the importance of improving air quality.

Burning wood is a source of particulate matter. Dr. Fuller of Kings College, London, has estimated that, in winter time wood burning accounts for around 10% of London PM emissions. The concentration of emissions, however, depends on how the wood is burnt.

The 2015 DECC Domestic Wood Usage Survey revealed that 70% of the wood burnt in London is on open fires. Independent research conducted by Kiwa has shown that Ecodesign Ready stoves can reduce particulate emissions by 90% compared to an open fire and 80% compared to a stove of 10 years ago. The replacement of open fires with Ecodesign Ready stoves could significantly reduce the level of emissions from wood burning.

Particulate emissions are organic particles that come from incomplete combustion of wood. Ecodesign Ready stoves have been engineered to burn wood more completely. The targeted introduction of combustion air at higher levels in the fire box of the stoves, reignites the particles of wood before they can leave the stove.

Ecodesign Ready stoves can also lead to significant reductions in CO<sub>2</sub>, NO<sub>x</sub> and Organic Gaseous Carbon compounds (OGC).

Ecodesign is the European-wide programme to lower emissions. It is due to come into force in the UK in 2022. The main manufacturers in the SIA have developed stoves for sale that meet the lower emission limits now and will only manufacture Ecodesign compliant stoves from 2020, two years ahead of schedule. The stoves will be branded with the SIA Ecodesign Ready label that will inform consumers that the stove will meet the new stringent emission limits.

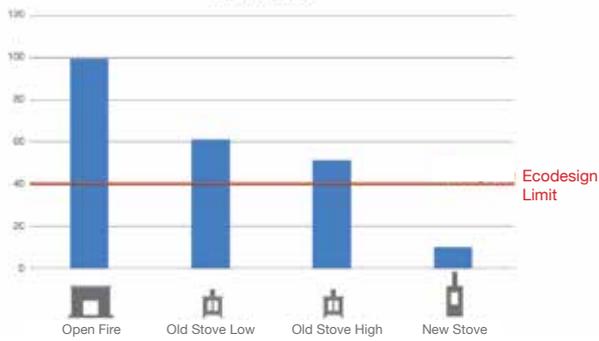
Wood burning stoves are also making a significant impact on carbon reduction. Wood is a renewable energy and virtually carbon neutral.

Coupled with the reduction in CO<sub>2</sub> from burning logs in a stove means that Ecodesign Ready wood burning stoves can both deliver carbon savings and help improve air quality.



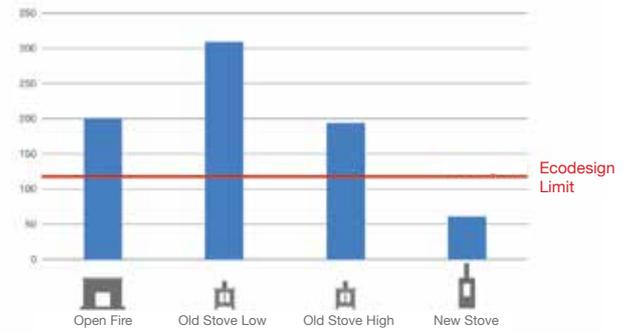
# Comparison Figures

## Particulates comparison with Ecodesign Stove



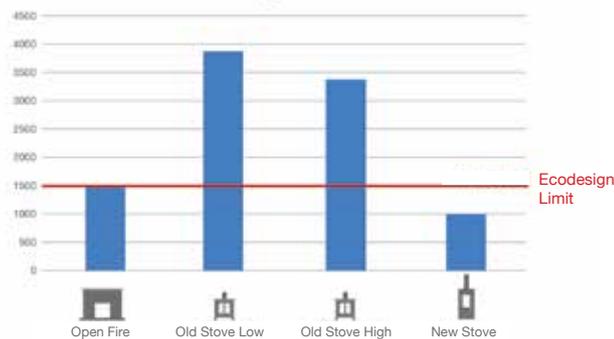
Particulates	Open Fire	Old Stove
Improvement	90%	80% - 84%

## OGC (Organic Gaseous Compounds) comparison with Ecodesign Stove



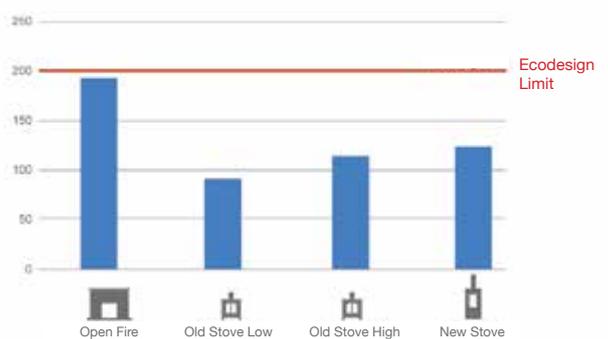
OGC	Open Fire	Old Stove
Improvement	70%	65% - 80%

## CO (Carbon Monoxide) comparison with Ecodesign Stove



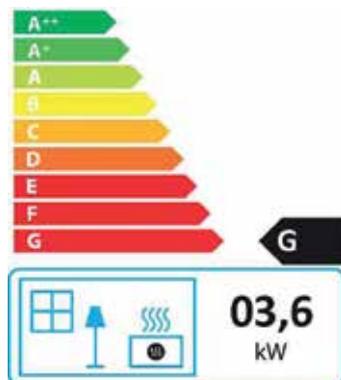
CO	Open Fire	Old Stove
Improvement	33%	68% - 74%

## NOx (Nitrogen Oxides) comparison with Ecodesign Stove

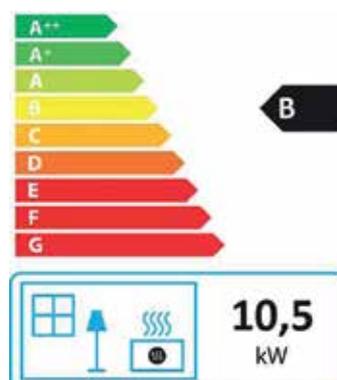


NOx	Open Fire
Improvement	34%

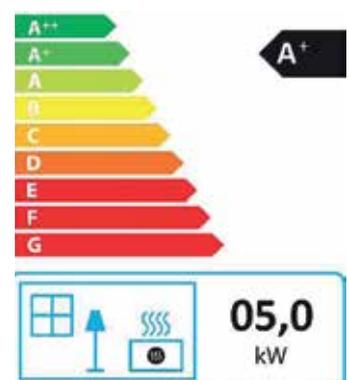
## Energy Efficiency



Open Fire



Stove or Fire from 10 Years ago



Ecodesign Stove or Fire - 80% Efficient

# Ecodesign in Action

## Harbour Lights, Cornwall

Featured on  
George Clarke's  
Amazing Spaces



**“...we wanted to make sure the stove was one of the most eco-friendly wood burners out there...”**

When Charlotte and Joey took on the project of renovating a disused public WC into a luxury holiday home, they knew they'd be adding a wood burner to warm the sea-side retreat, Harbour Lights, during the colder months.

An important part of the renovation project had been to take a sustainable approach with building methods and use of resources. “We have re-used and recycled a lot of aspects of the property, including the driftwood banister which washed up on Charlestown beach and the ancient timber cladding adorning the walls of the lounge”.

“We were very keen to make the property as eco-friendly as possible, hence why the heating, lighting, and insulation is of the highest energy efficiency rating and wanted the stove to be no exception to this. We chose the Nordpeis S-31A not just on its looks, which perfectly suited Harbour Lights, but also its remarkable clean burning. We knew that burning wood for fuel would be carbon neutral but we wanted to make sure the stove produced minimal smoke and was one of the most eco-friendly wood burners out there – in keeping with our environmentally friendly Cornish retreat.” Charlotte's and Joey's renovation project featured on George Clarke's TV show, Amazing Spaces.



Further information can be found on the SIA website. A full list of HETAS verified Ecodesign Ready stoves is on the SIA and HETAS websites. Advice on stove installations and woodfuel are also available on the HETAS website. [www.hetas.co.uk](http://www.hetas.co.uk)

[www.stoveindustryalliance.com](http://www.stoveindustryalliance.com)