



exodraft

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MECHANICAL CHIMNEY DRAUGHT
& HEAT RECOVERY

“The experience that our customers have when using exodraft products and systems often exceeds their expectations by far”.

Jørgen Andersen, CEO

Since 1957, **exodraft** has sold more than 350,000 chimney fans, the majority of which are still working today.

We have a long list of satisfied customers from around the world who use our chimney fans on a daily basis in order to improve their chimney draught.



Peter Hermansen, chairman of the board

Jørgen Andersen, CEO

HISTORY

During the 1950's, using small fireplaces and boilers was the most common way of heating. Because of insufficient chimney draught, problems such as tarry soot and smoke spilling into the room were unfortunately also just as common.

In order to solve this problem, Kai Hermansen invented an electric chimney fan which ensured a good chimney draught and also enabled better combustion. Kai Hermansen patented the idea and founded the company EXHAUSTO in 1957.

In 2007, the sector specialising in mechanical chimney draught was separated into a new and independent company with its own business area. In 2011, the company changed its name to **exodraft**.

Complex solutions and a growing demand

In the beginning, our chimney fans were simply designed and made to order. Development in design and technology quickly moved forward. The result was a more efficient and heat-resistant system. This development created an end product which became easier to produce and enabled the company to meet the growing demand.

Toward new goals

exodraft is the market leader in the chimney fan industry and is continually setting new goals regarding solutions and service at the highest level.

exodraft is committed to set the standard in connection with mechanical chimney draught and heat recovery systems for future decades.



FOUNDER,
KAI HERMANSEN

ORGANISATION

We are used to a world surrounded by technology which adds increased comfort, efficiency and security. **exodraft's** products and systems provide these benefits. In private homes, to safely remove and disperse the products of combustion. In industry where it is essential to reuse the heat from the hot flue gases.

Clear mission

We have a clear mission at **exodraft**: We want to develop and market mechanical chimney draught and heat recovery solutions of the highest quality. We do this with great success all over over the world. As a result, we make people's lives easier, safer and provide the possibility to contribute to an improved environment thanks to a more effective combustion.

Success due to strong qualifications

Our success is partly due to our employees' strong qualifications within different areas such as technology, product development, service, foreign languages, marketing and management. It is also due to **exodraft** being an open organisation where we move swiftly from thought to action and where close dialogue, both internally and externally, is of high priority.

A good experience all around

The customer is guaranteed a good experience at **exodraft**. It starts from the initial enquiry to the final sale and follow-up service. **exodraft** is a solid company with a strong economy, which means we can plan ahead long term and ensure a continuing dynamic development.





exodraft

www.exodraft.co.uk

MARKETS

exodraft is a Danish company which markets and distributes its products in more than 40 countries. We are the leading supplier of mechanical chimney draught and heat recovery solutions.

International and local

Due to local presence, **exodraft** is able to be close to every customer. Our own departments are located in: Germany, Norway, Sweden, Denmark, United Kingdom and France. We also have partners in the U.S.A. and in several European countries. By doing so, we combine our international activities with local commitment.

From wood-burning stoves to industrial ovens

exodraft originally focused on fan systems for private homeowners. Today, we offer solutions for homeowners' wood-burning stoves as well as chimney fan and heat recovery systems for large industrial facilities. Our industrial customers are able to enjoy large energy savings thanks to our effective heat recovery technology.

"Our ship's bell is rung every time we receive a large order."



SYSTEMS **FOR PRIVATE HOMES**

Our chimney fan systems for wood-burning stoves and fireplaces solve lighting problems and stop smoke and odour coming into the room.

Our chimney fan systems for gas appliances can overcome flue design constraints. These problems occur because there is insufficient chimney draught.

Lighting without any problems

Chimney draught is created due to the difference between the high chimney temperature and a colder outside temperature.

When the chimney is still cold during lighting, the draught is limited, and it can be difficult to light the fire.

With a chimney fan system from **exodraft**, you have complete control over the chimney draught. The chimney fan is installed on top of the chimney and creates a negative pressure which ensures that the smoke goes up through the chimney and not out into the living room. This creates a far better indoor environment and improves combustion. An optimum combustion can reduce the fuel consumption by as much as 15%.

Take control

With our controls, you are able to regulate the chimney draught according to your needs, allowing you to enjoy your fireplace without any inconvenience.



exodraft RSV



exodraft RSHT



exodraft EW41



SYSTEMS **FOR INDUSTRY**

Our industrial solutions include air-to-water heat recovery units and in-line chimney fan systems.

Heat recovery – capture the excess energy

Our compact air-to-water heat recovery unit with integrated bypass function is specially designed to take advantage of the energy from hot flue gases or processed air.

The heart of the unit is a heat exchanger made from stainless steel and copper that combines great sturdiness with an effective heat transmission.

In-line chimney fan – freedom to install and easy maintenance

An in-line chimney fan from **exodraft** provides industrial customers with the potential to control the chimney draught. An in-line chimney fan can be installed as a part of the chimney. This provides freedom of installation combined with easy access for maintenance.



Heat Recovery Units
Safe, Basic & Steam



Controls



Chimney & Inline Fans



CONSISTENT DRAUGHT

Equals consistent results

It is essential to deliver a consistent end product in every industry. This is particularly true for industries where ovens are a major part of the manufacturing process.

A mechanical chimney draught system provides advantages and savings:

- Possibility to reduce the flue dimensions
- Possibility to install the oven at the desired location
- Possibility to securely monitor the unit

Furthermore, there are additional benefits: optimum fuel consumption, the possibility of improving the oven's efficiency and fewer CO₂ emissions per heating unit. This means that with a mechanical chimney draught system, considerable economic advantages combined with a healthy, environmental solution can be achieved.

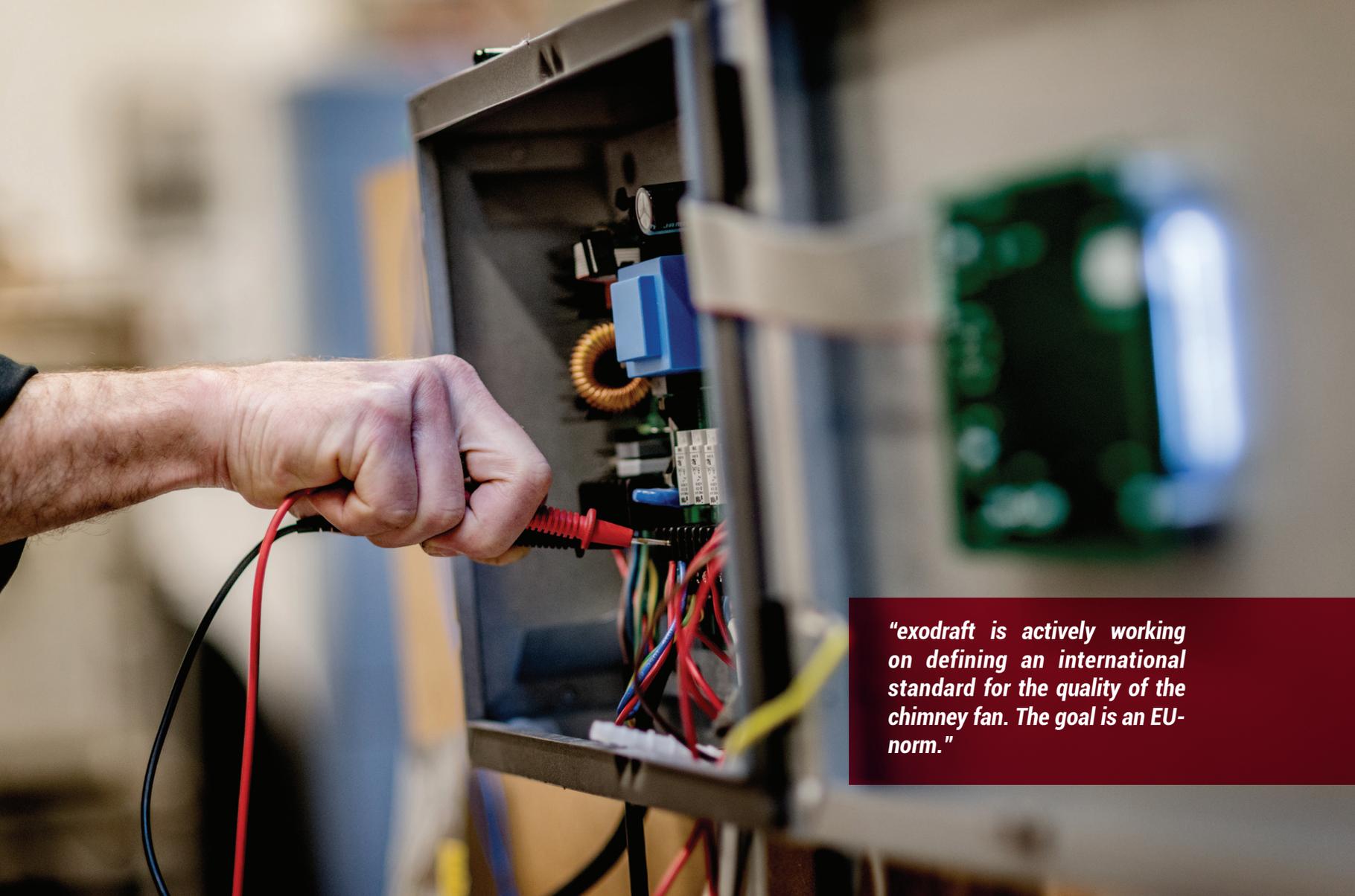
Optimum chimney draught

With an **exodraft** chimney fan system, the draught can be adjusted to the desired level. The chimney fan control ensures that this level is kept constant regardless of the circumstances. The control receives information from a pressure sensor installed in the chimney. This provides a consistent, defined draught by regulating the speed of the chimney fan.



exodraft EBC22





"exodraft is actively working on defining an international standard for the quality of the chimney fan. The goal is an EU-norm."

DEVELOPMENT

Through time, our houses have become better insulated, increasingly energy-efficient and supplied with alternative ventilation. At the same time, wood-burning stoves likewise have become more energy-efficient. These factors mean that the natural chimney draught is often insufficient which makes it difficult to light the fire and facilitates the migration of smoke particles into the room. As a consequence, many people experience problems with the indoor environment and allergies.

Creates optimum conditions for combustion

A mechanical chimney draught system from **exodraft** creates the optimum combustion and ensures the safe

dispersal of smoke particles. A survey approved by the Danish Technological Institute shows that our chimney fans remove more than 80% of the smoke particles which normally would have been let out into the room.

ISO certified quality

At **exodraft**, we work continuously on improving design and development to optimise our solutions. Quality control and documentation are two cornerstones in the manufacturing of our products and systems. We are ISO9001 certified and offer detailed user manuals in order to be able to document our high quality level and compliance with Danish as well as international standards at all times.



FUTURE

exodraft is a solid company – not only financially and technologically, but also as market leaders providing solutions for our customers. Our R&D department ensures that we are constantly ahead of market demand and thus able to maintain our position as leading experts in heat recovery, chimney draught and combustion.

PHX innovation and the next steps

We are constantly seeking new opportunities and technologies that can make our solutions even more effective, with an emphasis on energy-efficiency and heat recovery. Our sister company, PHX innovation is working on the development of particulate filters which, together with an optimized chimney draught, will reduce the discharge of smoke particles considerably.

Research for the future

At **exodraft**, apart from our product development, we want to ensure that our research remains a priority, to achieve still more knowledge regarding the connection between combustion and chimney draught. This means that in the future we will be the effective link which makes the appliance and the chimney work together.

exodraft – a part of the solution

It is debated today how to avoid the problem that wood-burning stoves and fireplaces around the world are contributing to the rising air pollution. With mechanical chimney draught, we have proven for decades that **exodraft** is a part of the solution – a solution which we want to share with people around the world, not only for our own sake, but also for the sake of the environment.





"Trees release the same CO₂ amount when they are burned as when they decompose in nature. Therefore, it makes sense to use wood to cover the heating requirements of the home."



DK: exodraft a/s

Industrivej 10
DK-5550 Langeskov
Tel: +45 7010 2234
Fax: +45 7010 2235
info@exodraft.dk
www.exodraft.dk

SE: exodraft a/s

Kalendevägen 2
SE-302 39 Halmstad
Tlf: +46 (0)8-5000 1520 Fax:
+46 (0)340-62 64 42
info@exodraft.se
www.exodraft.se

NO: exodraft a/s

Fjordgløttveien 11
NO-3060 Svelvik
Tel: +47 3329 7062
Fax: +47 3378 4110
info@exodraft.no
www.exodraft.no

UK: exodraft Ltd.

24 Janes Meadow, Tarleton
GB-Preston PR4 6ND
Tel: +44 (0)1494 465 166
Fax: +44 (0)1494 465 163
info@exodraft.co.uk
www.exodraft.co.uk

DE: exodraft a/s

Niederlassung Deutschland
Soonwaldstr. 6
DE-55569 Monzingen
Tel: +49 (0)6751 855 599-0
Fax: +49 (0)6751 855 599-9
info@exodraft.de
www.exodraft.de

FR: exodraft sas

78, rue Paul Jozon
F-77300 Fontainebleau
Tel: +33 (0)6 3852 3860
info@exodraft.fr
www.exodraft.fr