



exodraft

**exodraft**

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 300,000 chimney fans, the majority of which are still working today.

We have a long list of satisfied customers, from all 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 were 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.

## ***Forward to 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 around 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, 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.com



# MARKETS

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

## ***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 systems and heat recovery 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 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.



**exodraft RSV**



**exodraft RSHT**



**exodraft EW41**

With a chimney fan system by **exodraft**, you have complete control over the chimney draught. The chimney fan is installed on top of the chimney and creates a suction, which ensures that the smoke goes up through the chimney and not out into the living room. This creates a far better indoor environment. An optimum combustion can also 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. Therefore the fire in the fireplace or wood-burning stove can be enjoyed without any inconvenience.



# SYSTEMS **FOR INDUSTRY**

Our industrial solutions involve 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, which is 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.



**exodraft CFI**



**exodraft CHR-P-S**



**exodraft CHR-P**





# CONSISTENT DRAUGHT

## ***Equals consistent results***

It is essential to deliver a consistent end product in every industry. This is true with 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 advantages: optimum fuel consumption, the possibility of improving the oven's efficiency and fewer CO<sub>2</sub> 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 controller

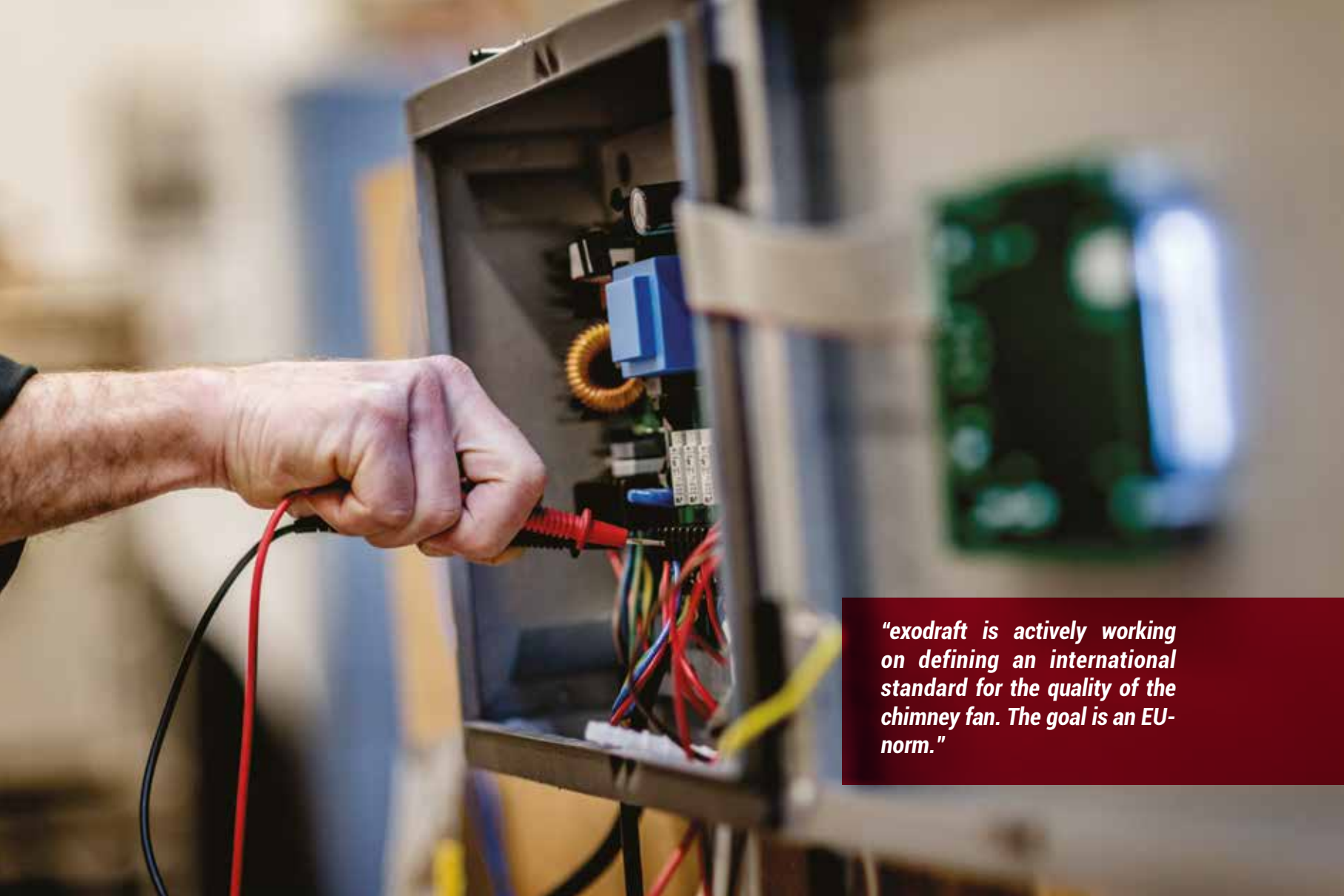
ensures that this level is kept constant no matter what the circumstances. The control receives information from a pressure sensor, which is installed in the chimney. This provides a consistent defined draught by regulating the speed of the chimney fan.



**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, more energy efficient and supplied with alternative ventilation. At the same time, wood-burning stoves have become more energy efficient. These factors mean that the natural chimney draught is often insufficient. The consequence is that it is not only difficult to light the fire but also that ultrafine particles are spread into the room. The result is that many people experience problems with the indoor environment and allergies due to these ultrafine particles.

## ***Creates optimum conditions for combustion***

A mechanical chimney fan system from **exodraft** creates the optimum combustion conditions and ensures

that the smoke particles are safely dispersed.

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 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 our compliance with Danish as well as international standards at any given moment.



# 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 therefore maintaining our position as experts in chimney draught and combustion.

## ***PHX innovation and the next steps***

We are constantly seeking new possibilities and technologies that can make our solutions even more effective with the emphasis on energy efficiency and heat recycling. Our sister company, PHX innovation is working on the development of particulate filters, which together with an optimum chimney draught fan 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 about 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 for both our own but also for the environment's sake.







***"Trees emit the same amount of CO<sub>2</sub> when they are burned as when they decompose in the forest. Therefore, it makes sense that wood can cover the heating need in the home."***





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