

Flue systems

Smart Solutions



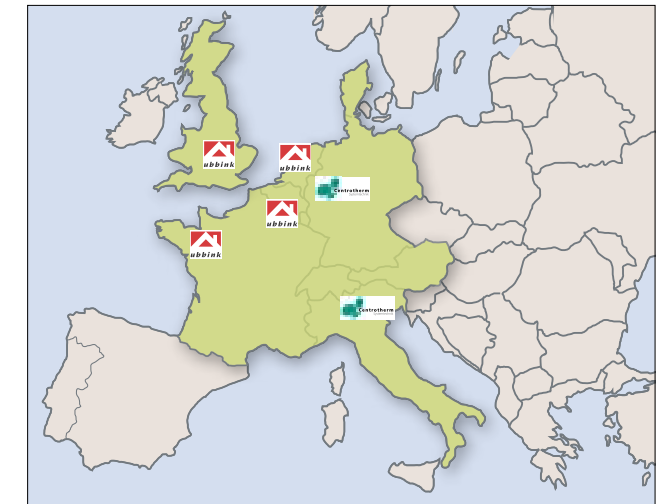
Introduction

Company Presentation

CENTROTEC is primed for sustainability by its very essence. Our aim is to contribute towards protecting both humankind and nature. In the days of antiquity, Aristotle defined earth, air, fire and water as the four elements that are in harmony in the natural world. Earth was considered to be the element from which all life stems, including human life. Our medical technology promotes human health and thus maximizes our life-span on this Earth. Clean air is also critical to the health and to protecting the Earth. Our ventilation systems create a healthy climate inside buildings and protect the global climate thanks to their low energy consumption. The concept of energy was unknown to Aristotle, but he regarded fire as the quintessence of heat and light. Our flue systems help to save energy e.g. by introducing condensing boiler technology into the home. In our newest area of activity, solar technology, we transform sunlight in an environmentally friendly way into usable electrical or thermal energy. We want to help protect the resources of our earth and hold environmental pollution in check.

History

- 1896 Ubbink founded
- 1982 Start of UBBINK activities in flue systems for condensing appliances
- 1994 Establishment of Centrotherm Systemtechnik GmbH (D)
- 1998 IPO Centrotec AG
- 1999 Acquisition of Ubbink B.V. (NL, UK, F, B) by Centrotec
- 2000 Establishment of Centrotherm Italia S.R.L.
- 2003 Establishment of Centrotec Asia
- 2006 European focus of the CENTROTEC Gas-Flue-Division



- CENTROTHERM and UBBINK have a strong market position in D, NL, B, L, GB, F, I, A, CH and DK
- In eastern Europe we are very successful in CZ and SK yet. HU, RU and Baltic are coming
- Ubbink sales in the USA is growing rapidly
- With our affiliated company in Singapore we are evaluating our opportunities in Asia
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CENTROTEC Sustainable AG

Flue Systems 100 %	Climate Systems 100 %	Other	
Ubbink NL Ubbink UK Ubbink F Ubbink B Centrotherm D Centrotherm Italy Centrotec Asia	Brink Climate Systems Ned Air Innosource EnEV-Air Wolf Heiz-Technik	Solar Systems(34%)	Medical Systems & Engineering Plastics
		Centrosolar AG Solarstocc Ubbink Solar Modules Ubbink Econergy Solar Solara Centrosolar Glas Solarsquare Biohaus	Möller Medical Centrotec Medizintechnik Centroplast Engineering Plastics Rolf Schmidt Industriplast Centrotec Composites Bond-Laminates (25 %)

A Recipe for the Future

New technologies call for high-performance materials. The need to save energy requires that new solutions need to be developed. CENTROTEC, the specialist for plastics and energy-saving systems, has enjoyed substantial growth since IPO in 1998. The company is represented by its own subsidiaries in all main EU countries. CENTROTEC is the European leader in flue systems for condensing boilers. Centrotec also develops entirely new markets with structures made from advanced composites, medical technology and solar systems.

Flue systems

CENTROTEC's successful involvement in the area of plastic flue systems extends back to the mid-1990s; these activities have decisively promoted the spread of energy-efficient technologies such as condensing boiler technology. Gas and oil condensing boilers systems cut energy consumption by 35% by recovering energy from the flue gas through a process of condensation. Plastic systems have already largely cornered the market in the field of condensing boiler technology. The product range currently comprises over 1,000 components, protected by numerous patents and permits. In addition to the condensing systems Centrotec offers solutions for high flue gas temperatures of up to 250°C for gas and oil-fired heating systems. Our new generation of roof ducts is modular in structure; this means that the many different national standards can be met simply by exchanging components.

Further international expansion

Stricter emission regulations (EU Energy Performance of Building Directive) throughout Europe has added momentum to the trend towards condensing boiler technology. Both in Europe and internationally, CENTROTEC systems are supplied as OEM products to international boiler manufacturers and also directly via the specialist wholesale trade. This strategy of internationalization is consciously being pursued in the new member EU states in Eastern Europe.

Know-how in the flue systems technology

- Production and processing of plastics since 1975
- Experience with condensing flue-technology since 1982
- Experience with plastic flue systems since 1994
- Complete product range from DN60 to DN315 (incl. special components and particular system solutions)
- working in committees for chimney technology e.g. member of CEN/TC166 -chimneys, chairmanship of CEN/TC166/WG4 -chimney with inner liners made of plastics, member of mirror committees of CEN/TC166 and CEN/TC166/WG4
- Calculation of chimneys according to the directions of EN 13384 (even for cascades and multiple floor systems)
- Knowledge of the specific national installation requirements

Quality and environmental management on highest standard

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- EN ISO 9001 (2000) certified quality management system
- EN ISO 14001 (2005) certified environmental management system
- Checking of the quality standards according to a defined method at all levels (already at our suppliers and partners)

Plants



Centrotherm Systemtechnik GmbH (D)



Centrotherm Gas Flue technologies (I)



Ubbink B.V. (NL)



Ubbink (B)



Ubbink UK Ltd.



Ubbink France (F)

Extrusion line for PP pipes



Testing laboratory



Assembly



Certificates

CE for systems
with PP flue pipe



Permission



ISO 9001



GASTEC



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