

NESS

The Process Heat Company



**Impressive expertise,
thrilling ideas.**

Customer-orientated solutions for

- Process heat generation
- Heating plants
- Environmental technology

NESS
THE PROCESS
HEAT COMPANY

You need experience and real innovative strength if you want to shape the future.

NESS Wärmetechnik is one of the foremost international companies in the field of thermal equipment. We offer engineering services and quality at the highest level – from planning and manufacture to commissioning. Numerous patents and utility models are proof of our innovative strength. Economy and energy-efficiency are amongst the many convincing features of our customer-orientated solutions.

For decades we have worked closely with leading research facilities both here and abroad. We participate in research projects, diploma and doctoral theses concerned with heat supply, process management and environmental protection. Today, NESS is represented throughout the world with numerous partners and co-operations.

How it all began.

It was back in 1964 that Dipl.-Ingenieur Eduard Ness founded an engineering office for thermal engineering. The founder of the firm was quick to recognise the enormous potential of organic thermal transfer media for heating industrial processes. Just three years later he developed the NESS thermal transfer oil heating system which was soon adopted throughout the world. Ever-larger

systems for widely different industries followed. Since 2002 NESS has been designing and making systems for the chemical industry for the combustion of gaseous and liquid special fuels.

In the course of our successful company history we have continued to expand our range of services. NESS Wärmetechnik – constant market presence, always reliable and innovative.





Intelligent ideas to take us into the future.

Saving energy and raw materials has been an issue since at least the 1990s. With its systems for biomass combustion, NESS Wärmetechnik is very much in tune with the times.

2009 saw the next innovation: Combustion systems for pulverised brown coal.

New concepts and intelligent solutions are still in demand. And we can deliver. With our enormous performance capacities and massive

experience potential, we design and build systems which guarantee an optimum interplay of all system components and which can be optimally integrated into existing and new production processes.

From Remshalden, near Stuttgart, into the whole world. All the equipment and its components are manufactured in ultra-modern production halls where they are prepared for assembly.



From planning to operation: single-sourced energy-efficient systems

From analysis to planning to project management – as innovative but also established system engineers we offer years of experience and the latest technical know-how. That's because NESS Wärmetechnik not only designs systems, we also build them ourselves. Tailor-made and reliable, all design work is carried out in-house and is recognised throughout the world.

This is where quality shows.

The combination of the tried and tested and the innovative is what makes the difference at NESS. We design and implement our own ideas and intelligent solutions for whose function we also take full responsibility.

Special solutions require special cooperation. The cooperation of our high-performance production department with design engineers

and hands-on technicians and installation specialists is famed around the world.

This hand-in-hand principle gives our customer enormous economic advantages and highly efficient systems. Single-sourced quality means fewer interfaces and hardly any friction loss. In addition it makes the project development for our customers easier, more transparent and more efficient.

We work with passion and commitment. We put solution competence before industry-typical solutions because every project is different





Technicians and engineers integrate the systems into the customer's production processes. The combination of engineering and systems building enables us to integrate our designs rationally into real situations - an important economic factor.

The combination of expertise and customer proximity.

As flexible and pioneering as our systems are our service concepts. We look and listen carefully when taking on a new project. Precise analyses and reliable processing are taken for granted, as is customer training and years of operational reliability. Comprehensive installation, commissioning and of course maintenance services round off our technical provision.

Targeting resource preservation.

Manufacturing pioneering products safely and reliably requires teamwork and motivated employees who set themselves complex tasks. NESS stands for solutions which meet the steadily growing requirements related to resource-preservation and energy-efficiency.

In constructive dialogue with our customers we develop systems which are profitable from the first day on. In this way we create real added value for our customers.

We are successful when we make the most effective use of the potential of the fuels used. We therefore combine sustainability and reliable systems-operation to the benefit of our customers.

Expand your business, stay productive and visionary – and we'll do the rest.

NESS Wärmetechnik delivers technology and solutions tailored to the most varied requirements. Requirements-orientated and competent. Our high-performance systems support various industrial processes from the processing of concrete, wood, paper, plastic and mineral oil to environmental engineering.

Other application areas for NESS Wärmetechnik include central and local heat supplies for buildings and production halls.

The right system for every need.

Our expertise is used wherever heating systems require reliable temperature control. We develop economical and practical solutions for your special heating requirements – starting from your respective production requirements and particular operating conditions. We offer our customers technical competence and extensive services in the area of process heat – whatever the requirement.





Quality – the basis of everything we think and do.

Economy and quality are standard at NESS Wärmotechnik. Durability and reliable equipment operation are at the forefront of our work. Along with state of the art technology, user-friendliness and good accessibility for maintenance and cleaning play a key role in everyday operation.

The international outlook of our employees and experience from

numerous projects on every continent enables us to deliver and service systems worldwide. Our motivated and service-orientated team not only ensure expert assembly and commissioning of the on-site equipment, they also look after the customer at all times.

Ultimately impressive are the robust construction and low operating costs of our systems. NESS Wärmotechnik delivers quality from the very start.

When many processes have to work together, everything depends on everything else. NESS Wärmotechnik comes with all the structural prerequisites for optimum evaluation of all performance phases and implementing solutions which are future-proof, efficient and sustainable. An eye on the big picture and a passion for detail – that's NESS Wärmotechnik.

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Products and services:

Integrated process heat supply

Thermal oil systems

Steam systems

Hot water systems

Waste heat recovery systems

Heat exchanger systems

Heating and cooling plant

Thermal afterburning

Engineering

Service

NESS Wärmetechnik GmbH

Remsstrasse 24

73630 Remshalden

Germany

Telefon +49 (7181) 9675 1

Telefax +49 (7181) 42612

info@ness.de

www.ness-energysystems.de

All information is without obligation,
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