

Convincing competence and motivation.

- Process heat generation
- Heating systems
- Environmental technology
- Customer orientation

NESS

Experience that creates trust,

performance that sets the standards.

NESS Wärmetechnik are one of the foremost international companies in the field of thermal equipment. As suppliers of firstclass systems, we offer the highest levels of engineering and quality for a very broad range of applications.

From design via manufacture through to commissioning, NESS Wärmetechnik have the ideal combination of innovation and mature experience.

A quick look back.

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. In 1967 Eduard Ness developed the NESS thermal oil heating system. Soon, it became a world-wide success. When Dr. Andreas J. Ness joined the firm in 1989, moves were promptly made to secure the potential of the existing experience for the future, and to combine it with new forces of innovation.

The company grew even stronger, when in 1995, Dietmar Ness joined the management team.

The scope of the company was markedly extended in 1991, when NESS Wärmetechnik GmbH was founded. In addition to restructuring the development, design and marketing operations, modern production facilities were constructed in Remshalden for the manufacture of the equipment.





The firm's founder Dipl.-Ing. Eduard Ness, Dipl.-Ing. (FH) Dietmar Ness and Dr.-Ing. Andreas J. Ness – a powerful team.

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

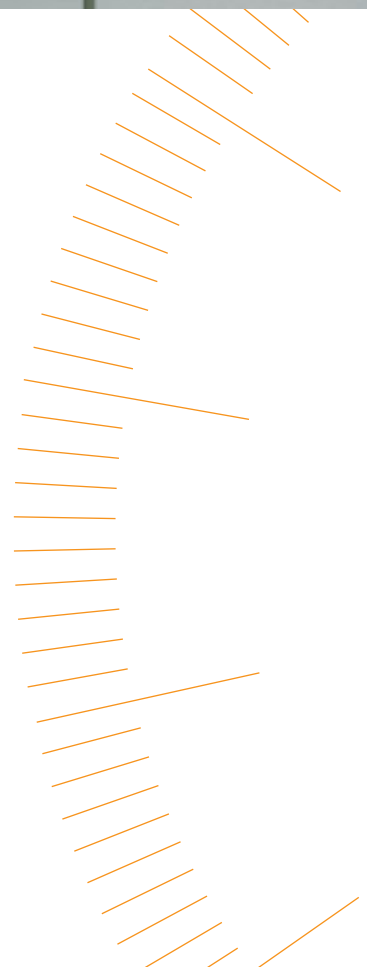


Shape the future with ideas.

The sheer quantity of development and implementation for which we are responsible provides the foundation for an almost unique capacity for plant design and construction.

This approach permits the tightest possible integration of our equipment into existing, or newly planned, production processes.

On the basis of our wide experience we have developed the combination of development work, our own production and on-site commissioning into a favoured working procedure. We therefore recommend that procedure to every customer, not least because it offers significant economic benefits.



Plant construction as a full package

combines economy and quality.

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From analysis through design to project management - as plant constructors, we have an extraordinary capacity for development work. We are therefore able to efficiently execute all the development in-house. This, in turn, has resulted in worldwide recognition.

Execution and assembly: where quality is seen.

NESS Wärmetechnik is deliberately not just a design office, but also a manufacturer. We want to implement our own ideas, and so carry the full responsibility for the function of the designs we have developed.

Our efficient production facilities allow a unique level of co-operation between engineers, technicians and assembly specialists. This approach underlines the degree of customer orientation at NESS, providing enormous economic advantages to our customers. There is no friction between internal designers and external assembly teams. There is no information loss, no supervision failure. Fewer interfaces mean that our customers can handle their projects easier, with greater transparency and with significantly higher efficiency!

Thanks to our own equipment manufacturing process, we are able to return huge amounts of important information into our engineer's development work.





We understand effective involvement in the work on-site to be a significant economic factor. Technicians and engineers integrate the systems into the customer's production processes. The benefits of combining the engineering work with the plant construction are once again clearly illustrated here.

Customer Orientation as the Basis for Impressive Results.

Our forward-looking technical expertise can be paralleled by our service concepts to new and existing customers.

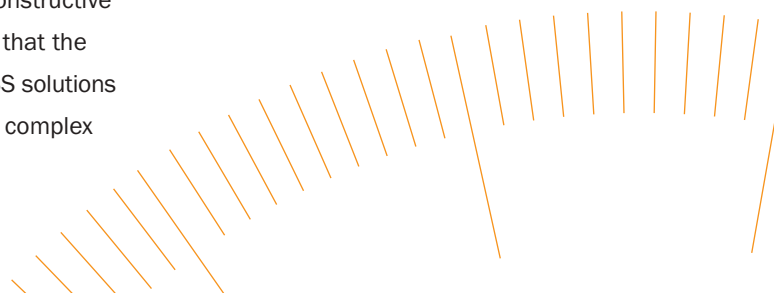
Efficient company structures permit fast, flexible procedures; from the preparation of quotations to "on-site service".

Accurate analysis, reliable execution, customer training, years of dependable operation, comprehensive services for assembly, commissioning and, of course, maintenance complete the range of our technical services.

Teamwork: more than just a word.

Anyone who works in a team must also work hard on the team. Genuine innovation calls for people who are personally committed to the solution of difficult tasks. Only those who seek new roads will find them, and only those who have the courage to travel new roads can lay claim to leadership and can, in the end, be successful. By seeking a consensus without shying away from conflict we have developed open, dynamic decision processes with one goal in mind: implementing the best possible solution. Our understanding of project management teamwork includes the customer. It is only in the course of constructive dialog with the customer that the typical, often unique, NESS solutions emerge as the answer to complex problems.

This may not be the usual way – but who wants "usual" solutions when regarding energy requirements, cost-effectiveness, function or competitive advantage?



Successfully active in a wide range of sectors.

The right system for every need.

We support a wide range of industrial processes, including environmental engineering, by utilizing efficient heating and cooling systems.

Our products are ideal for the wood and plastics industries. But sectors such as the concrete and assembly unit industries, the chemical and mineral oil industries as well as contracting are also important markets for us.

Other applications for NESS Wärmetechnik include equipment

for the manufacture of electronic circuit boards, paper making machines and the central or distributed heating of buildings and halls.

Wherever manufacturing equipment requires reliably controlled temperatures, where drying processes are needed, where calenders, rollers, extruders, presses or drying cylinders need to be cooled or heated, our expertise is called for.



Examples from practice:

Top: high pressure hot water heating and cooling plant.

Bottom: thermal afterburning of 35,000 Nm³/h with heat output of 6 MW.

Right: 24 MW thermal oil plant.

Thermal oil heater. Designed, built, tested – ready for delivery!



Cost-effective construction of the highest quality.

Cost-effectiveness and quality – you can't have one without the other.

We put the function and reliable operation of our equipment at the foreground of our work. Because of our many years of experience, this is not "mere" theory. There are many supposedly trivial matters which, on top of the engineering itself, play an important part in day-to-day operation. Simple operation, easy accessibility for maintenance and cleaning work, high availability or the availability of compact versions for fitting in particular locations, to name just a few examples.

Cost-effectiveness is proven from long-term operation, not from cutting corners on components or raw materials. Our equipment is famous for its robust construction and low operating costs. Tight monitoring of all the components and production processes used in the manufacture of our equipment, along with accurate maintenance of all the values required by international authorities and testing institutes, enable us to guarantee the very highest possible quality. NESS Wärmetechnik is certified in accordance with DIN EN ISO 9001.

Engineering, construction and delivery satisfy the most important regulations.

- EU Pressure Equipment Directive • TRD • AD
- ASME • CODAP • BS • CSA B-51 • UDT
- Safety Quality License for Import of Boiler and Pressure Vessel of Peoples Republic of China

A Summary of Equipment and Systems – Our Delivery Programme.



- Integrated Process Heat Generators**
- Thermal Oil Systems**
- Steam, Hot Water and Warm Water Systems**
- Heating and Cooling Plants**
- Thermal Afterburners**
- Centralized Boiler Houses**
- Co-generation Plants**
- Solid Fuel (Combustion, Wood Combustion)**

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