

THE PROCESS HEAT COMPANY

NESS – More than 55 years
solutions for process heating

NESS
The Process Heat Company



SERVICE



TEAMWORK



QUALITY

As a family business – in its second generation –
positive cooperation is very important to us

ABOUT OUR COMPANY

NESS – your
specialist for
process
heating
solutions



solutions for our customers
on all continents



The minds behind Ness

Dietmar Ness and Dr. Andreas Ness are Managing Directors of Ness Wärmetechnik GmbH.

The two brothers like to join in and be in the middle of it all. While Dietmar Ness is responsible for marketing and sales promotion, Dr. Ing. Andreas Ness focuses on the strategic, technical and economic orientation of the company.

Together they are an unbeatable team. They love their company with passion!

SOLUTIONS FOR PROCESS HEATING SYSTEMS FOR MORE THAN 55 YEARS

**Working across generations is the challenge of our time.
We master it!**

For more than 55 years, we have been developing solutions for process heating systems in Remshalden near Stuttgart.

We employ more than 90 people in development, planning, sales and manufacturing. In engineering, around 30 highly qualified and motivated engineers of all technology fields work on solutions for our customers on all continents.

The experience, that our planning and service engineers have gained through our projects, is applied to new products and services. National and international

development projects are regularly carried out and successfully completed. This is also evidenced by the high number of registered designs and patents granted to us in recent decades.

An efficient service team ensures a smooth worldwide logistics of products and spare parts, professional assembly and commissioning of the equipment. In addition, we offer maintenance, repair and modernization of existing plants – focusing on performance, availability, safety and energy efficiency.



**TEAMWORK IS A CORE COMPETENCE
OF OUR COMPANY**



YOUR PROCESS

We offer high quality systems which deliver heat to a variety of processes in different industries.



ENGINEERING

Engineering is our passion, because in this field our greatest strength comes into play: Our know-how.



OPTIMIZATION

Operator training, audits and the knowledge of how to use energy optimally in existing systems.

IN 1964



FOUNDING OF NESS

Eduard Ness founds his engineering office for heating technology. One of the first mobile thermal oil systems was produced in the 60's for a Greek company.

IN 1987



MOVING TO TODAY'S PREMISES

Relocation to today's offices and production buildings in Remshalden.

IN 2014



ANDERE SUCHEN DEN WEG –
WIR FÜHREN ZUM ZIEL.
Die NESS Lösungskompetenz:
effizient, wirtschaftlich, sicher.



ANNIVERSARY 50 YEARS NESS WÄRMETECHNIK

The company celebrates its 50th anniversary.

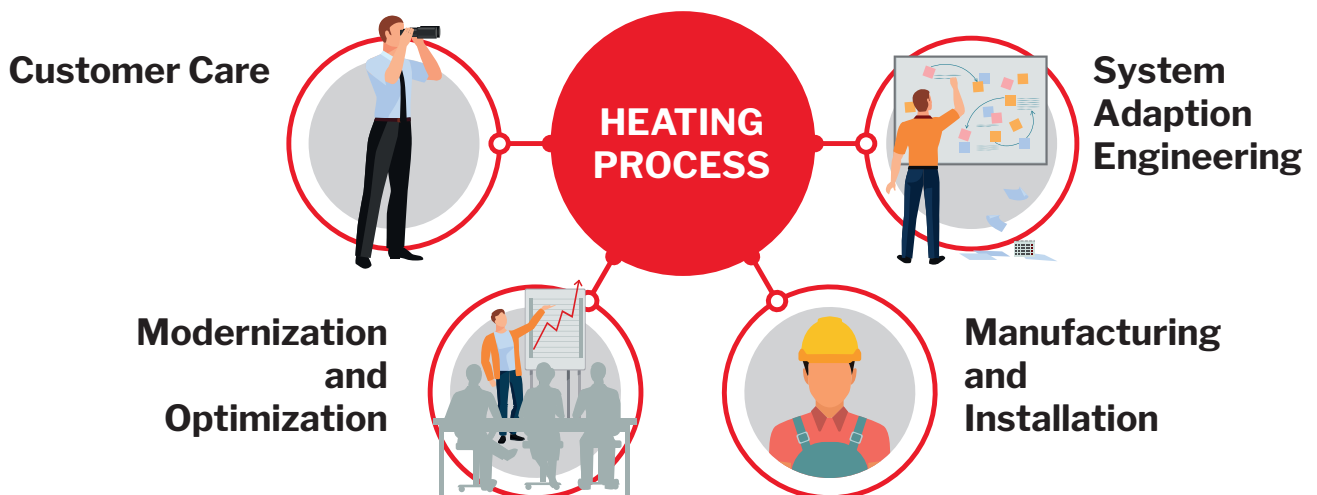
**MORE
COMPANY HISTORY ON
WWW.NESS.DE**

Our knowledge is your advantage

YOUR BENEFIT WITH NESS

**ONE BUSINESS PARTNER FOR ALL YOUR REQUESTS -
WE KNOW OUR BUSINESS LIKE NO OTHER**

Trust in our knowledge



30
**HIGHLY QUALIFIED AND
MOTIVATED ENGINEERS OF
ALL TECHNICAL FIELDS**

Your request is important for us. Together we will find a solution for your individual heating process.

Comprehensive service and dedicated customer care, system adaption, modernization, optimization, construction and manufacturing are some of the individual solutions and innovative concepts that NESS can offer.

Be it the elaborate planning by our engineering team, our flexible, high-quality inhouse manufacturing or our experienced service team - all of our departments work hand in hand.

Your benefit with NESS - We are teamplayers and see the whole picture.

Some examples of what we've done

REFERENCES



HEATING AND COOLING SYSTEM

Hot water heating and cooling system with a 4-stage heat recovery system for a 20 daylight press. Air / water combined cooling circuit.



BIOMASS FIRED HEATING SYSTEM

14 MW combustion chamber for wood dust firing, radiation and convection heating elements with a total thermal oil output of 10 MW.



HIGH EFFICIENCY, LOW NO_x HEATER

12.5 MW thermal oil heater with combustion air pre-heater, flue gas recirculation and water mist fire extinguishing and cooling system.



FEEL FREE TO CONTACT US FOR YOUR INDIVIDUAL QUOTE
WWW.NESS.DE | INFO@NESS.DE | TEL. +49 (7181) 9675 1

Product overview

OUR PRODUCTS

We offer highquality and sustainable systems and customized concepts to improve a variety of **processes in different industries**



**NESS OPERATES
WORLDWIDE**



**ALL NECESSARY
CERTIFICATIONS**



**RELIABLE
IN USE**



**INTELLIGENT
SOLUTIONS**



THERMAL OIL SYSTEMS

**For heating at a high
temperature level**

The decision for a thermal oil plant is almost obvious for some processes, as thermal oil has many compelling properties. For example, the operation of the plant is possible up to a temperature of about 350 ° C almost without any pressure and is extremely efficient.



FIRED HEATERS

**Fired heaters for
gaseous and liquid fuels**

By using a 3-pass system in our heaters, the thermal oil is heated up constantly, in order to avoid temperature peaks. An optimal coil design increases efficiency and plant safety.



ELECTRIC HEATERS

**Electrical heaters as an
alternative to fired heaters**

The electric thermal oil heater (EWE) is a true alternative to fired heaters and, in addition to continuous operation, it is also suitable for bridging peak loads and during retrofits to the system.



**MORE PRODUCT INFORMATION
ON WWW.NESS.DE**



HEATING AND COOLING SYSTEMS

Heating-cooling circuits for machines and devices

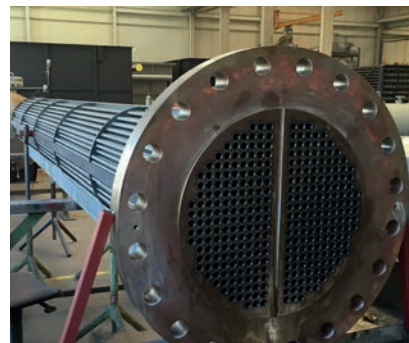
In particular, these processes are dependent on the precise control of temperature gradients, such as in printed circuit board production or composites production for the aerospace industry.



STEAM SYSTEMS / HOT WATER SYSTEMS

With fired or indirectly heated heat generators

This type of heating system is characterized mainly by the economical heat transfer medium. Hot water works well if lower temperatures up to 180 ° C are required. Steam is often used as a heating medium with direct product contact.



HEAT EXCHANGER SYSTEMS

Effective heat transfer between different fluids

Heat exchangers are needed in a plant when heat energy has to be transferred between fluids (gases and liquids). In some processes, heat is generated as a by-product.



HEAT RECOVERY

More efficient use of existing resources

A sustainable option for your plant is heat recovery through a combustion air preheater (Luvo). Thanks to the Luvo, the energy of the hot flue gases at the outlet of the heater can be used to save energy costs and resources.



SECONDARY CIRCUITS

Independent control of your process temperature

With secondary circuits, the heating parameters (temperature and volume flow) can be optimally adapted to the requirements of the process. The temperature can be regulated very precisely and is therefore ideal for demanding processes.



SPECIAL INSTALLATIONS

Special installations from experts for experts

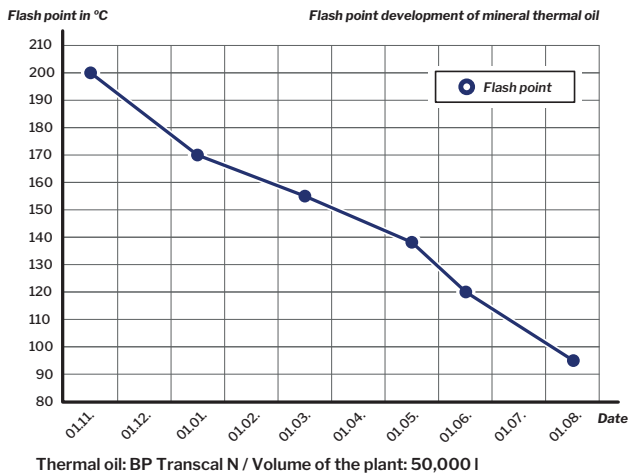
Customer requirements and wishes are often the reason to develop new concepts that are customized to specific applications. Some solutions are therefore completely reviewed by us and "refreshed" as needed.

More **safety, availability, durability and efficiency**
for every thermal oil system

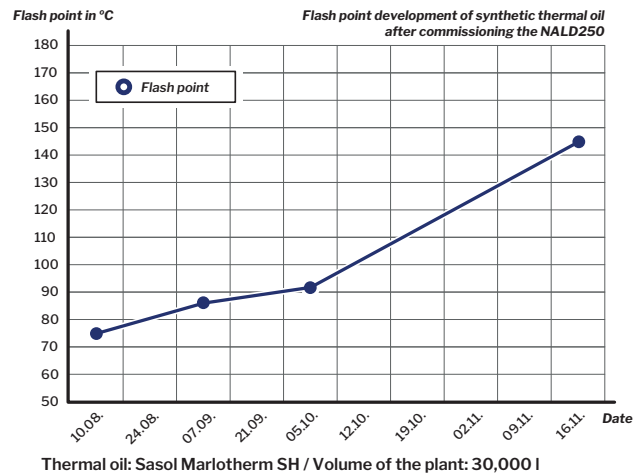
NESSSITIES

A SUCCESS STORY - NESS LIGHT-ENDS REMOVAL SYSTEMS ENABLE A BENEFICIAL PERMANENTLY HIGH FLASH POINT FOR THERMAL OIL SYSTEMS

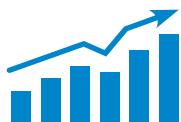
WITHOUT LIGHT-ENDS REMOVAL



WITH LIGHT-ENDS REMOVAL



UP TO **120** LITERS OF
LIGHT-ENDS
REMOVED PER DAY



Your system works more effectively and safely with
a permanently high flash point.
A constantly high flash point means less downtime.



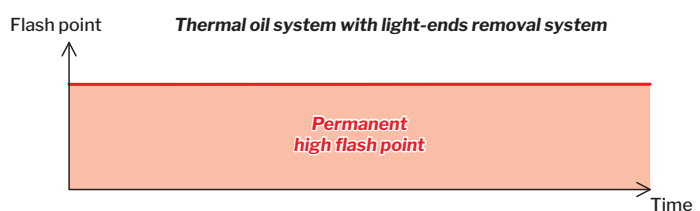
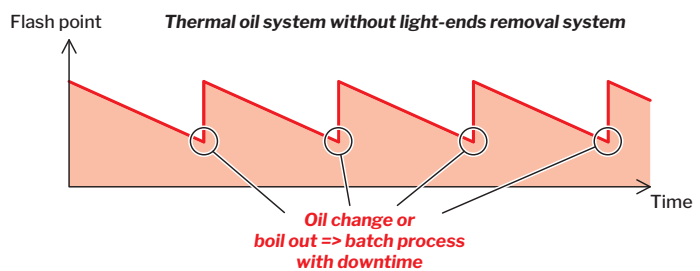
Learn more about our light-ends removal
systems and other solutions on our
NESS YouTube channel



Light-ends are continuously generated in thermal oil systems depending on the operating temperature.

Basically: The higher the operating temperature, the more light-ends are formed. If the light-ends content increases, the flash point of the thermal oil decreases.

The NESS light-ends removal systems remove them and the flash point is constantly maintained on a high-level. This improves plant safety and reduces cavitation risk in pumps.



INTERESTED IN SMART SOLUTIONS THAT SAVE MONEY AND TIME?
WWW.NESS.DE | INFO@NESS.DE | TEL. +49 (7181) 9675 1

Our service team offers you a variety of solutions and services

COMPREHENSIVE SERVICE

SPARE PARTS SUPPLY FROM NESS

You can easily order spare parts via our hotline. We will dispatch them worldwide.

If a part is not available, we can procure it from our suppliers in the shortest possible time.



**WE KNOW THE
SPARE PARTS
YOU MIGHT NEED**



**INSTALLATION,
MODERNIZATION
AND EXPANSION**

Our specialists take
care of your system

INSTALLATION AND COMMISSIONING

From installation supervision to turnkey services, we have the right solution for your needs.

Assembly managers and commissioning engineers also take care of the successful implementation of modernization and expansion.



OUR TOTAL CUSTOMER CARE SERVICE IS WAITING FOR YOU

Feel free to contact us!

WE TAKE CARE OF YOU AND YOUR SYSTEM

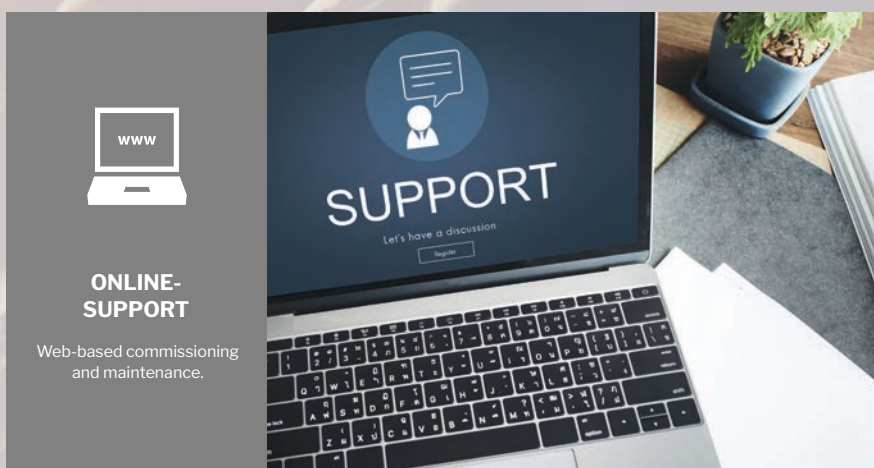
Our service - your benefit

**Maintenance, safety checks and more.
We advise you personally and competently!**

Service forms the basis for a safe and efficient investment. We value partnership and long-term cooperation. That's why we look after you throughout the lifecycle of your system and help with any problems and questions.

To ensure this, we offer you two direct dial numbers that will allow you to reach our service team.

Even outside our office hours, a customer service representative is available to assist you promptly.



24/7



**CALL US SO WE CAN HELP YOU. IN
CASE OF EMERGENCY, YOU CAN
ALSO CALL OUTSIDE OFFICE HOURS.**

HOTLINES FOR YOUR SERVICE

**During our office hours
+49 (7181) 9675 20**

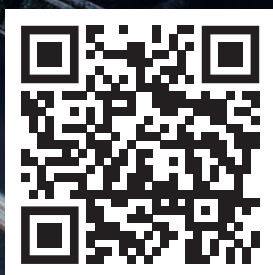
Monday to Friday from 7:00 am to 4:00 pm

**Outside office hours
+49 152 90014026**

Monday to Friday from 4:00 pm to 7:00 am,
on weekends and on holidays



WE LOOKING FORWARD TO HEARING FROM YOU



**MORE BROCHURES
AND FACTSHEETS
AT WWW.NESS.DE**

NESS

The Process Heat Company

NESS Wärmetechnik GmbH
Remsstraße 24
73630 Remshalden - Germany

Tel. +49 (7181) 9675 1
Fax. +49 (7181) 42612
info@ness.de



Online
www.ness.de

or visit us on [xing.com](#),
[linkedin.com](#) and [YouTube](#)



Service
During office hours

Monday to Friday from
7:00 am to 4:00 pm
+49 (7181) 9675 20



Emergency number
Outside office hours

Monday to Friday from
4:00 pm to 7:00 am
+49 152 90014026