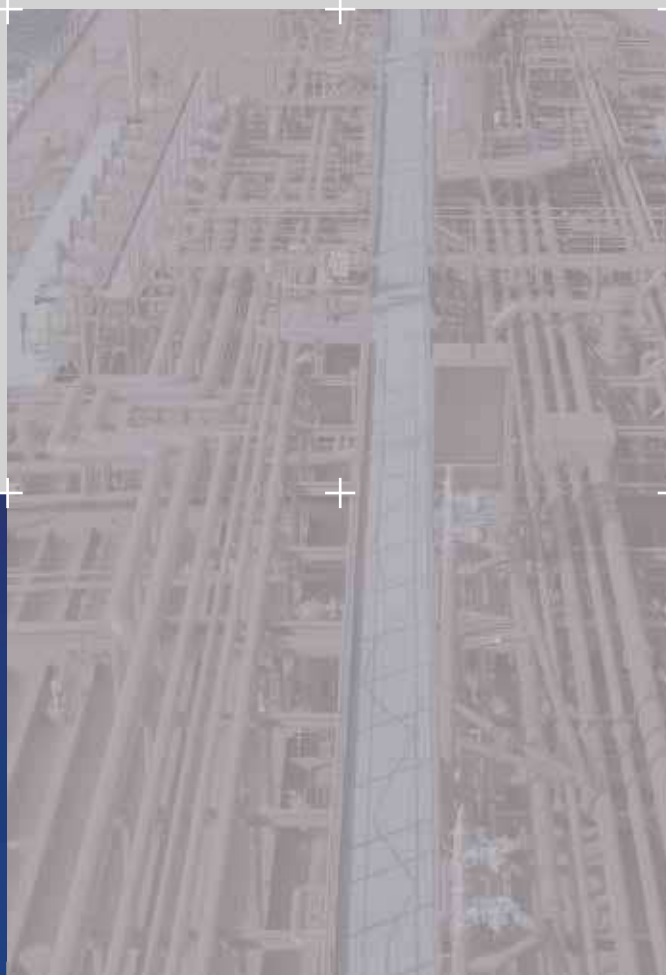


YOUR PARTNER IN ELECTRIC HEATING



Huikeshoven

Huikeshoven b.v.

Industriële elektrowarmte

INTRODUCTION

A controllable temperature is often crucial for the continuity of your production process. Huikeshoven specialises in electric heating and has offered comprehensive solutions for adjustable heating for production processes for over 50 years. Thanks to our flexibility, expertise and reliability clients from the (petro) chemical industry, machinery and equipment engineering, utility construction, installation and refrigeration engineering industries know where to find us. Huikeshoven takes care of the entire process, from design and advice to the supply of necessary elements, assembly and maintenance. Our main priority is to offer a fast, flexible and solution-oriented service to our clients. In the field of technology we aim to be a progressive, specialised and innovative partner.

STANDARD AND CUSTOMISED

Huikeshoven offers a wide range of products, either supplied as standard versions or customised for specific situations. Our main product groups are the following:

- Tracking systems
- Heating jackets and silicone sheaths
- Flow heaters and heating elements
- Vessel heating
- Ribbenbuiskachels en ruimteverwarming





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YOUR SPECIALIST IN ELECTRIC HEATING

As we are a specialist in the field of electric heating, we like to be close to the client and if necessary be able to react immediately. Huikeshoven has specialised staff, such as engineers and technicians with a broad expertise and experience in the field of electric heating. We provide objective advice, because we offer all forms of electric heating. We offer a wide range of products and long delivery times rarely occur due to our sophisticated inventory strategy. We are able to offer optimal service to our clients thanks to our flexibility, reliability and our extensive expertise and experience. Being client-orientated is not just a word to us; we act on it which is appreciated by our clients.

ALSO SPECIALISED IN ASSEMBLY, MAINTENANCE AND SERVICE

In order to ensure that you can use your heating system for a long period of time and without any trouble, a professional installation of the system is required. If you deploy our technicians, your system will be installed by SCC-certified specialists. They can also instruct and assist your own employees. Our electric heating systems are virtually maintenance free and extremely reliable, but just in case a problem arises our technicians will always be available to help you out.

By using our engineers for annual inspections and preventative maintenance you can be certain that your system will function efficiently and without problem.

TURN-KEY PROJECTS

Huikeshoven can provide entire cable routings with heating, control and insulation. Your installer only needs to provide the supply points and Huikeshoven will take over from this point. Such projects require good cooperation between all involved parties. Huikeshoven has extensive experience in a diverse range of such projects for rail track heating, mould heating and heating for process technology systems.

- ALWAYS THE MOST ENERGY-EFFICIENT SOLUTION
- COMPLETE AND CAREFREE SERVICE IN HEATING PROJECTS
- CENTRAL CONTACT POINT



ALSO SPECIALISED IN ASSEMBLY, MAINTENANCE AND SERVICE

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For several customers we engineered complex control systems, where a very secure temperature control is important. Also for installations where the temperature of different parts should be adapted to each other, Huikeshoven has the right solutions.

ALSO APPLICABLE IN ATEX ENVIRONMENTS

We also offer solutions for potentially explosive environments including trace heating applications, flow heaters and heating elements.

- Design and advice
- Control engineering
- Production
- Assembly
- Onderhoud
- Service

**CONTROLLABLE TEMPERATURE
AT EACH STEP OF THE PROCESS**



APPLICATION IN A WIDE VARIETY OF INDUSTRIES



The clients of Huikeshoven are active in very different industries, from petrochemical to food industries and from mechanical engineering to suppliers of renewable energy. Our products and services can be implemented in any production process which requires an optimal temperature control. Several examples are:

LEADING IN COMPOSITE INDUSTRY

Huikeshoven is a leader in the field of the heating of moulds for the production of rotor blades for windmills. During the past 20 years Huikeshoven has continuously improved these systems, which involve various complicating factors. This has resulted in a comprehensive programme, consisting of heating cables or mats which can be installed quickly and flawlessly in addition to a control system which is accurate yet easy to operate. Heating elements are also used to maintain the temperature of equipment rooms and driving mechanisms of windmills. Huikeshoven supplies to manufacturers of rotor blades all over the world. Meantime, our experience is used for other applications in the composite industry also.

- Heating of moulds for production of rotor blades
- Wide range of heating cables and mats
- Accurately operable control system
- Temperature control of driving mechanisms
- Production of solar panels





WASTE PROCESSING INDUSTRY AND POWER STATIONS

In waste processing installations and power plants the products of Huikeshoven are used for very specific purposes. The exhaust gas checks of these plants have to meet very strict requirements. Therefore, it is essential that these gases maintain a constant temperature during the sampling process in order to prevent condensation. For these applications, Huikeshoven supplies and installs the heated hoses of Eltherm. These are also used in the nuclear power plant in Borsele.

It may also be necessary to ensure the viscosity of the combustion materials. For instance, for the combustion of animal lipids in biomass plants.

The flow heaters of Schniewindt are very suitable for this purpose. They are also applied in combination with heating cables in order to warm the liquids in the event of a malfunction. The flow heaters and heating cables ensure that the liquids don't cool down and solidify, so the process can be resumed quickly.

The materials that are used need to meet high standards, for instance the minerally insulated heating cables (HES-MIL) have to be provided with an ATEX certificate and a temperature resistance of sometimes up to 1,000 °C.

- Eltherm hoses for a constant temperature
- Flow heaters ensure the viscosity in biomass plants
- Heating cables with an ATEX certificate
- Temperature resistance up to 1.000 °C

STORAGE UNITS

Huikeshoven offers a wide range of products for the heating of storage units such as drums, (IBC) containers, vessels and tanks. We supply standard or customised products. We offer a specific solution for every situation.

SPECIALS ARE OUR SPECIALITY

To us, specials are not all that special, but more or less standard procedure. We have the experience and expertise, possibly in cooperation with our regular partners, to customise jackets, ground heaters and container holders. ATEX versions are also possible.

The application areas for these vessel heaters are extremely varied, from the food industry to the petrochemical industry; wherever the temperature of liquids in tanks has to be maintained. Besides the situations mentioned above we also heat larger tanks, whether or not in a permanent arrangement. For example bitumen tanks and LNG tanks.

THE STANDARD PROGRAMME

We offer several types of vessel heating in our programme for steel drums, plastic vessels and IBC containers. Our engineers can offer advice in order to determine the right type of heating. The type of medium and the application are factored into this recommendation. The desired heat distribution and temperature are examples of matters which should be considered. The solutions range from standard silicone heating belts to full height jackets. It is also possible to heat a storage facility with an (ATEX) finned tube heater.

- Jackets, ground heating and container holders
- Full Height jackets for high-powered systems
- Horizontal ground heating for lying drums
- All types of heating sheaths available
- Heating of bitumen tanks and LNG tanks





MARINE AND OFF SHORE

In marine and off shore there are numerous possible applications for electric heating systems. Diesel and marine engines can be heated with Schniewindt flow heaters. Huikeshoven has installed deck heating on a number of police ships. This heating ensures that the deck remains free of snow and ice under winter conditions.

Finned tube heaters are used to heat various on board areas. These finned tube heaters have to meet the relevant ATEX and Lloyds standards. Particularly suitable is the finned

tube heater with integrated thermostat. It greatly simplifies the installation of the system. For instance, underfloor heating is very suitable for the heating of a wheelhouse. It may also prevent the necessity to maintain the temperature of on board liquids. The temperature of the pipes and tanks, in which the liquid is located, is maintained by means of heating cables.

- Heating of diesel and marine engines
- Deck heating ensures the deck is always free of ice
- Finned tube heaters to heat certain areas
- Underfloor heating in the wheelhouse
- Maintaining pipe temperature



REFRIGERATION ENGINEERING

In refrigerated and freezer rooms, electric heating is used for different purposes. For instance, the linear guide rails of the doors in freezer rooms need to be heated in order to prevent them from freezing together. The floor of the entrance area can be heated, in order to prevent the occurrence of slipperiness when opening the freezer rooms.

- Heating of linear guide rails
- Floor heating in the entrance area prevents slipping
- Heating mats in subfloor prevent damage to the structure
- Heating for condensation free traffic mirrors in cold storage facilities
- Special silicone heating cables

RAILWAY TRACK AND POINT HEATING

Winter train delays are often caused by frozen points, or by track or platform slipperiness. Our manufacturer, Eltherm, is well-known in Europe for its track and point heating systems. A specially-designed heating cable can keep railway points and tracks free of snow and ice.

Various projects have been implemented on railway and underground tracks including in the Netherlands, Germany, Switzerland and the United Kingdom.

- For use on track lengths of up to 1,000 metres
- Reliable, fast and simple to install
- Can withstand extreme conditions





PROCESSING AND FOOD INDUSTRY

There are strict requirements in the processing and food industry for the temperature maintenance of the production lines. The products of Huikeshoven are implemented in the (petro) chemical, pharmaceutical and food industries.



Automated dosage lines for cosmetics, syrups, oils and fats for example have to maintain a constant temperature, so quantities can be measured with more accuracy and components can be mixed at an optimised temperature. Often the client requires a comprehensive solution for the heating and temperature maintenance of a dosage line, in which all disciplines are aligned. It is important to calculate the heat loss from the tanks and pipelines within the established criteria. The outcomes of these calculations form the basis for the heating system. After engineering, all outcomes and options are discussed with the client. Often Huikeshoven can offer

better and simpler solutions than the system that was previously planned. Besides engineering and offering advice, we also take care of the delivery and installation of the complete heating system. Usually in combination with a temperature control system. While executing such projects, Huikeshoven closely cooperates with manufacturers of production lines and various partners.

- Process heating for (petro)chemical, pharmaceutical and food industries
- Tracing systems, flowheaters, heating jackets
- Comprehensive solution including engineering and control engineering

YOUR PARTNER
IN ELECTRIC HEATING

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Huikeshoven is certified
for ISO9001 and VCA safety



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