

TWELVE REASONS

for an electric thermal oil
heater instead of a fired
thermal oil heater



Heating devices based on fossil fuels have long proven to be reliable. However, the world has changed significantly due to the use of these same fossil fuels as well as economic and geopolitical movements, leading to critical shortages in energy markets. Substantial, sustainable and forward-looking rethinking is required, particularly at the industrial level. Are you interested in a sustainable system, but don't know yet if it is the right solution for you? We have collected 12 reasons to convince you of a safe, reliable, both energy and cost efficient alternative.

1. Climate crisis/energy recovery

The burning of fossil fuels releases large amounts of carbon dioxide. Greenhouse gases that trap heat in our atmosphere, causing dangerous global warming and leading to stricter CO2 regulations.

Heating systems can be heated with flue gas, steam or even electrically. This allows you to significantly reduce CO2 emissions or even achieve CO2 neutrality.

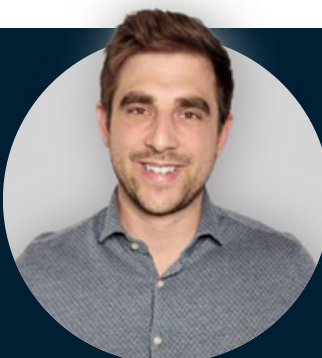
2. Price increases for fossil fuels

Prices for fossil fuels such as gas, coal and oil have been under pressure for some time. A development that is expected to continue and place a greater burden on companies. Switching to sustainable, electrically powered heating systems will help you reduce excessive energy costs.

3. Russia/ Ukraine war

The conflict on Europe's external border has only accelerated the rising price of oil and gas, with prices now reaching record levels. In this unpredictable geopolitical situation, security of supply can no longer be guaranteed. By switching to electrically powered heating systems, you make yourself independent of foreign fossil fuels.

Are you ready to take an energy-efficient evolutionary step and switch to a sustainable system? **Then contact us now!** We will be happy to convert your system(s) for a future-proof energy supply.



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4. NOx values

Nitrogen oxides or NOx are undesirable by-products of oil, gas and wood combustion processes. The formation of ozone and particulate matter associated with hydrocarbons is harmful to humans and plants and leads to acidification of soil and water. With electric heating systems, NOx emissions can be avoided and NOx limits are not exceeded.

5. Promotion by BAFA

The Federal Office of Economics and Export Control (BAFA) provides up to 50 percent funding for energy- and resource-related optimization of plants and processes through Module 4. This includes all energy- and resource-saving restructuring measures as well as waste heat utilization. These are criteria that AURA meets with its efficient electric heating systems.

6. Simple and fast installation

An electric thermal oil system is quick and easy to install, resulting in short downtime for changeover, minimizing losses and maintaining efficiency.

7. More security

There are inherently higher accident and fire risks when using fossil fuels. Electrically powered heating systems minimize the risk of accidents. They protect employees and the environment and can even be used in hazardous areas such as the chemical or petrochemical industry.

8. Better control

Electric heating systems can be better controlled, more precisely regulated and adapted to the conditions and the target material. Such systems are suitable for automated production lines, whereby specific temperatures and temperature ranges can be reliably achieved and maintained.

9. Higher efficiency

Electronic heating systems have higher efficiency from the outset. In addition, they are compact systems in relation to their production capacity. Problems with transporting and storing fuels can thus be eliminated, making this technology much more accessible, space-saving and cost-efficient.

10. Versatility

Electronic heating systems are extremely versatile and can be used for almost all applications involving the heating of a product. Regardless of whether solid, liquid or gaseous media are involved.

11. Less expensive maintenance

The use of fossil fuels results in higher wear and tear on the equipment, which is not the case with electrically operated systems. Accordingly, the latter require less frequent maintenance, servicing and repair due to damage. This gives them a longer service life and reduces costs and labor.

12. Future thinking and Mindset Change

In order to actively and productively shape the future, a broad rethinking in society and industry is necessary. E-products and solutions fit much better into a clean future, which AURA would like to shape together with you. A path that is not only economically worthwhile, but also beneficial for the corporate image.

For the above reasons, you should consider an **advanced electrically heated thermal oil heating system**. AURA supports you in this **transformation**, because we know our systems down to the smallest detail and can tailor them to your specific needs.