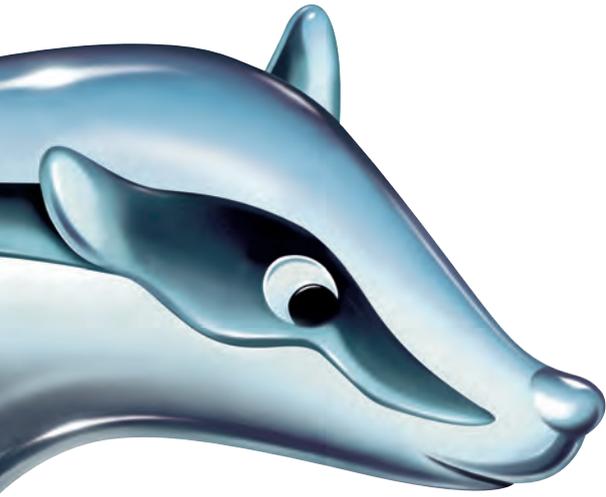


Dachs

Smart Cogeneration.



SENERTEC

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Combined heat and power. A system for the future.

Good for the planet, good for your pocket:
combined heat and power with the Dachs.

Everyone is aware of the problem of climate change and the reasons behind it. Excessive consumption of primary energy and uncontrolled emissions of CO₂ are bad news not only for your wallet, but also for the environment.

In most power plants the electricity generation process produces heat as a waste product, which is eliminated in huge cooling towers. The Dachs, a heat and power cogeneration unit, is also a power plant, but it uses the heat produced to heat your property and generates power where it's needed. With over 33 000 units sold throughout Europe, the Dachs is the best-selling and most popular heat and power cogeneration solution.

In economic terms, the Dachs is a worthwhile investment that pays for itself. In environmental terms, it's a wise investment that will benefit future generations.

Almost 20 years ago.

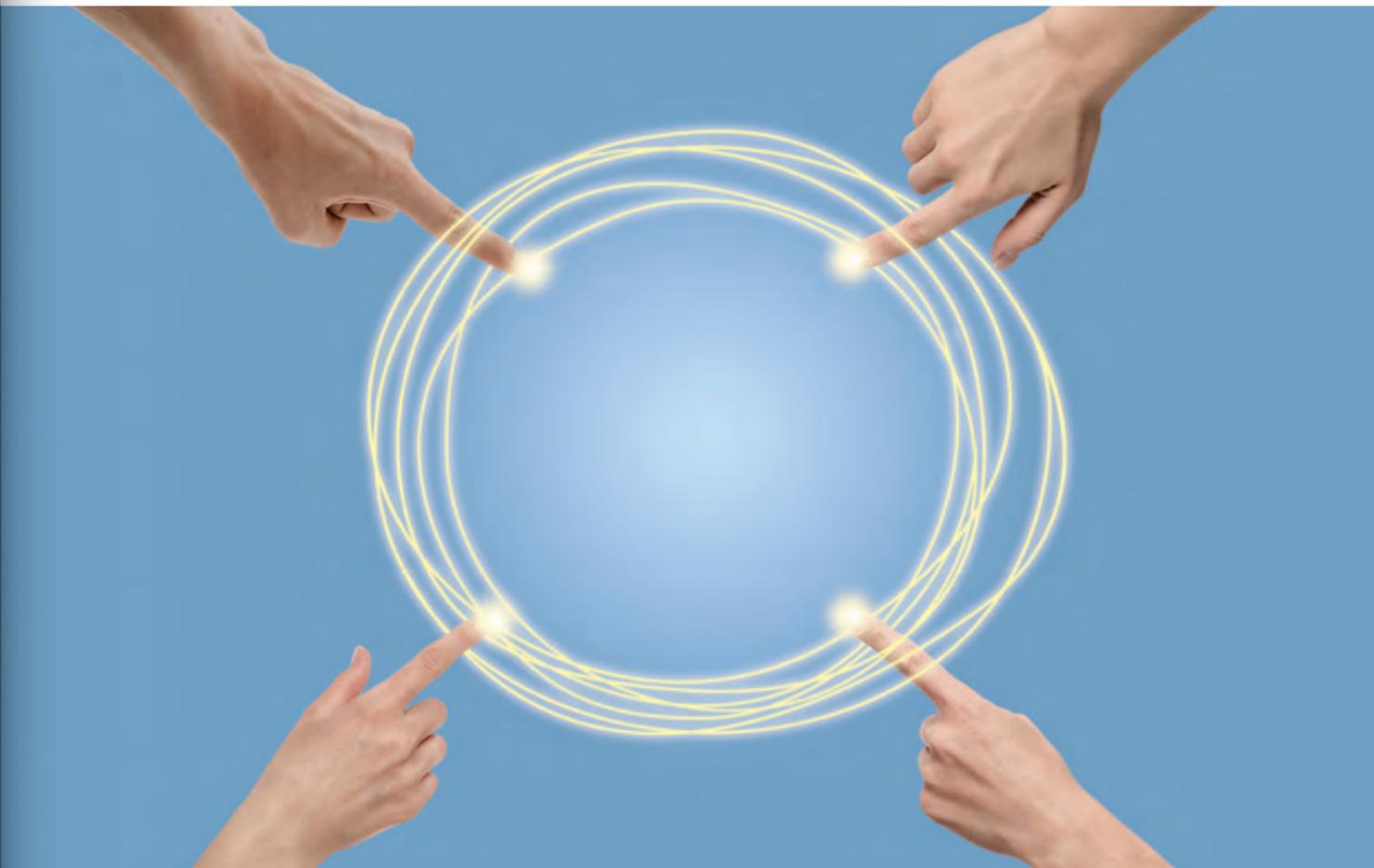
Smart idea: generate electricity as you heat your property.



SenerTec GmbH has its roots in Fichtel & Sachs, a well-known supplier to the automotive industry. When we started making the Dachs, many people predicted we would sell less than 100 units a year. The combination of belief, know-how and engineering skill paid off, and to date we have installed over 33 000 units. Governments have recognised that combined heat and power generation is the third important alternative energy source next to wind and solar power.

Become part of an environmental movement.

Now any building can be a power plant and simplify the energy supply of the future.



We hear a lot about the difficulties of transitioning from traditional to new energy sources. But as recent studies prove, it could be a lot easier. If more electricity were generated locally using heat and power cogeneration, nuclear and coal-fired power plants could be shut down much sooner.



An idea for the future: by producing our own electricity we can reduce our environmental impact and use energy more efficiently.

Why the Dachs is becoming more important.

The Dachs generates power even when there is no sunshine or wind.



There's no shortage of power when the sun is shining or the wind is blowing. But what happens when it's calm, in winter, or during the night? The Dachs always works whenever it's needed, continuing to produce green electricity exactly where it's needed. That's why governments have set the goal of using energy more efficiently.

The principle of heat and power cogeneration.

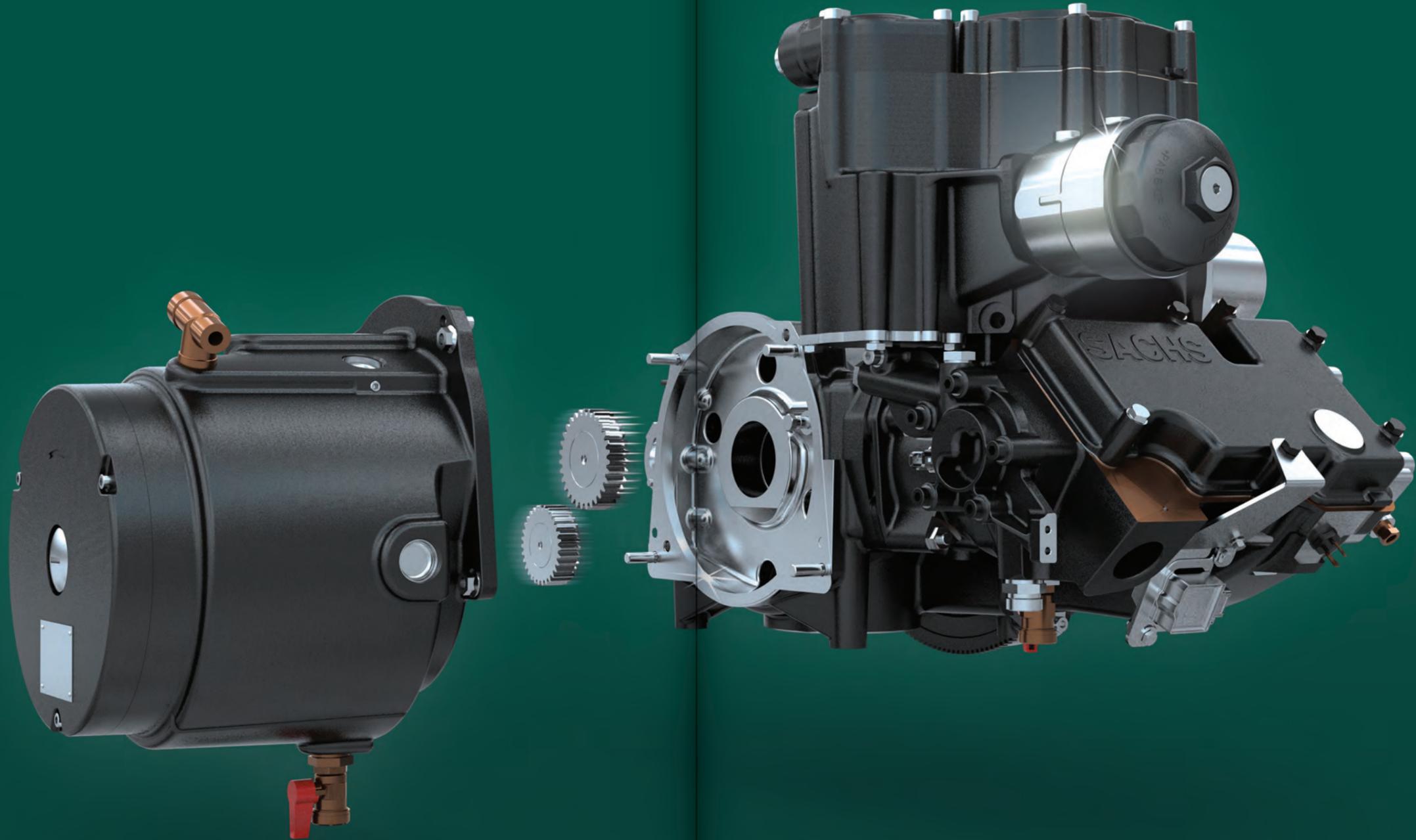
The Dachs is so efficient because it uses the same energy twice.



Efficient energy use: The engine generates heat. The high-performance generator produces green electricity How does the Dachs help to protect the earth's resources? When electricity is generated in large power plants, the heat produced is simply lost. The heat required to keep buildings warm must be generated separately. The Dachs converts almost all of the primary energy into electricity and heat. Instead of being wasted, the heat is used to cover the heat requirements of buildings. The engine drives a high-performance generator that produces electricity.

Generator + engine = electricity + heat.

Combining power and heat.



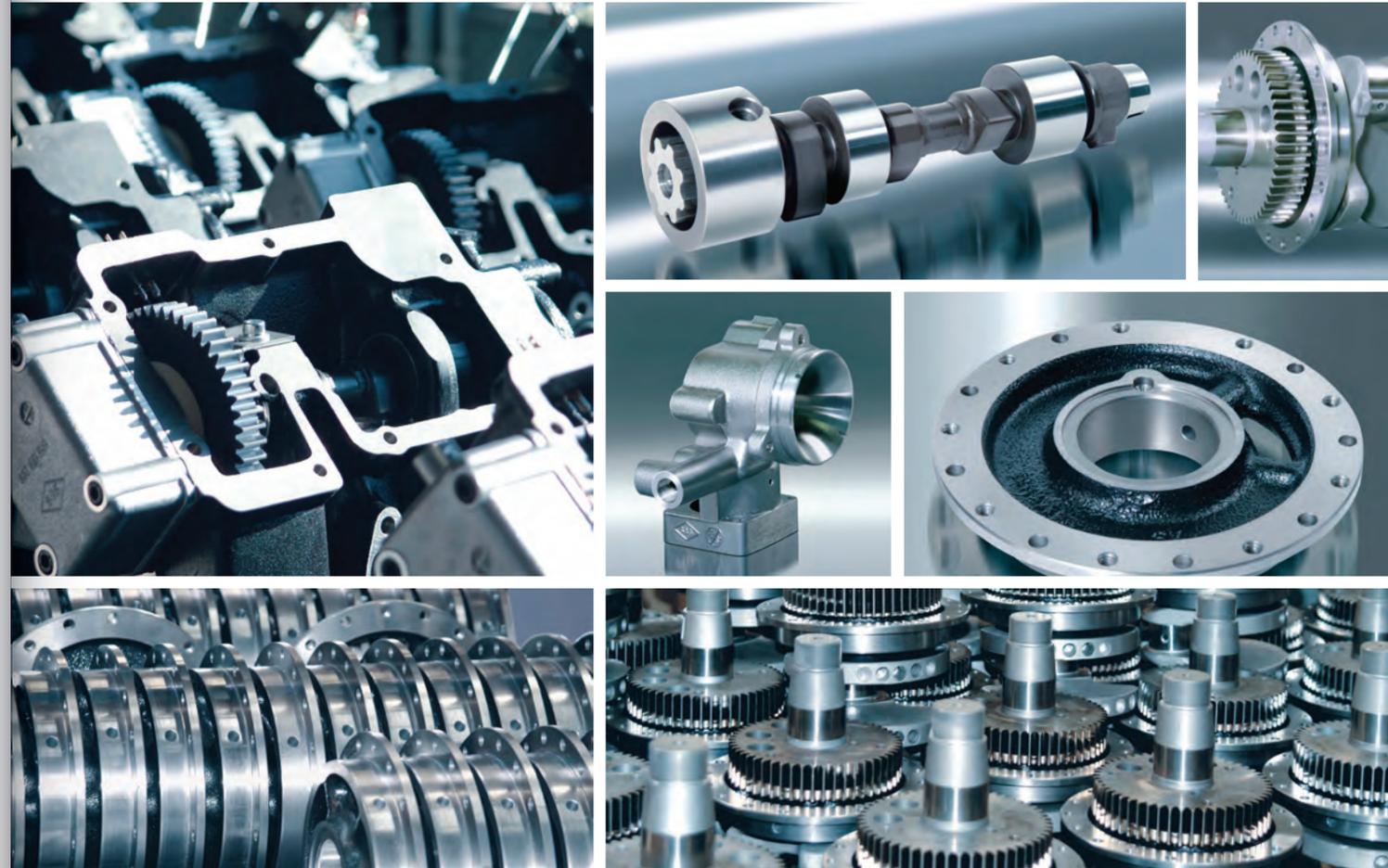
The 80 kg high-performance generator delivers approx. 5.5 kW of electrical power. This is usually about three times the electricity requirement of a comfortable home.

The Dachs engine heats the cooling water, stores it in a buffer vessel and pipes it into the heating circuit in your building. It delivers up to 14.7 kW of thermal energy, the same as a conventional heating system.

You can depend on a Dachs.

Made entirely in Germany from the best materials.

The Dachs owes its durability to the use of high-quality materials and the expertise of our engineers, the result of many years of experience. The Dachs embodies something that has become rare today: true craftsmanship. Scarcely bigger than a washing machine, it weighs in at half a tonne because its high-quality precision parts are made of materials like brass, copper and steel. Just as it has been assembled one part at a time, it can be dismantled or extended in the same way. The production of every unit is perfected by hand and individually monitored at our factory in Germany. The result is an extremely robust machine designed to last for years, built even more solidly than practical requirements demand. **That's what we call future-proof.**



The Dachs in commercial premises and apartment buildings.

Generate power while you heat your building.



The Dachs is a flexible, extendable solution for commercial buildings, apartment buildings and larger private homes. It is an efficient energy plant that supplies heat, hot water and electricity, enabling even buildings with high heat and power consumption to reduce energy costs with an efficient, climate-friendly solution.

Electricity costs are rising every year.

A Dachs doesn't just pay for itself ...



... for hotels, restaurants, bakeries, butcher's shops, gyms, care homes, nurseries, car dealerships, office buildings, farm buildings, campsites, spas, supermarkets, business premises, livestock holdings, swimming pools, workshops, municipal utilities, medical practices, schools, print shops, hospitals, ambulance control centres, engineering offices, youth hostels, service stations and wherever heat, hot water and power are needed ...

... it makes a profit!

Perfect service.

Our authorised partners will take care of your Dachs.



SenerTec partners offer an excellent service. Their specialist skills and knowledge have been carefully checked and recommended by customers. They offer professional installation, maintenance and regular safety checks for your Dachs and can also replace wearing parts.

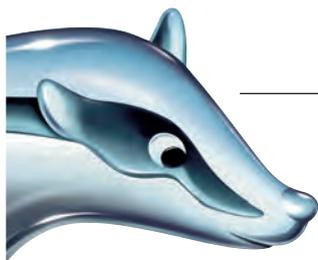
What you need to know about the Dachs:

You already know something about the Dachs, but did you know: ...

- i** ... that the single-cylinder four-stroke Fichtel & Sachs engine with an approximate capacity of 580 cm³ was designed specifically for use in heating systems?
- i** ... that it doesn't matter if you think of the Dachs as a power generator that also makes useful heat or a boiler that also generates electricity? The Dachs is a worthwhile investment even for private households and especially for businesses of any size. And for hot water preparation it offers one of the best storage solutions ever designed.
- i** ... that there is a Dachs Fan Club in Germany? The membership of the Dachs Fan Club – over 7500 – speaks for itself ... and for the Dachs! These Dachs owners are all proud of making a forward-looking choice. As far as we know, no other heating system in the world can make this claim!



The Dachs is an investment in your property that pays off like no other. That's as certain as the next energy price increase.



Your local Dachs partner:

Dachs. Smart Cogeneration.



SENERTEC

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