

What exactly does the ideal fan look like? How can we ensure a perfect balance between weight, noise, size and sustainability? Air with minimum energy consumption. From here to there, from hot to cold. An impressive parallel between evolutionary and revolutionary.

# BRONSWERK<sup>®</sup> HEAT TRANSFER

Dynamic Heat Exchange Solutions

## High efficiency cooling Top Performance in Efficiency and Technology



“ The feasible energy savings (over a 10-year period for 100 fans of 60kW):  $10 \times 0.10 \text{ ct/kwh} \times 60\text{kW}$  (per fan)  $\times 100 \text{ fans} \times 8,000 \text{ hours of service} = \text{€ } 48,000,000$ . Even at a ROI time of 10 years, this gives a 100% return on the investment. Often a payback time of 3 years is taken into account, resulting in a 30% return on investment. You will have a hard time achieving this kind of return figures on the stock markets. ”

Mr. H.G. Schaëfer – Chairman of the Board and CEO of Bronswerk



Air-cooled coolers, optimally combining costs, materials, noise and energy. Looking for the perfect interaction between air flow and pipe bundles. With our Whizz-Wheel<sup>®</sup> fan as the result of an intensive research programme. A break-through development as the ultimate connection between People, Planet & Profit.



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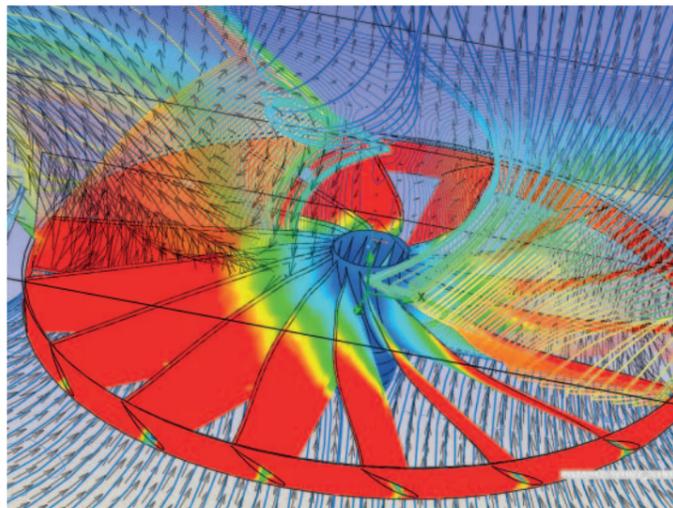
Bronswerk solves heat transfer and fluid-flow problems. We optimise existing processes and develop innovative products. This allows us to offer our clients the most efficient and advantageous solutions. Guaranteed to be sustainable and energy-efficient.

Bronswerk is to be found in the midst of global action. Both literally and figuratively. Our location in Nijkerk is ideally situated. Easily accessible by car and public transport. Our office breathes innovation. A high-tech creative environment, both for you and for ourselves. An inspiring environment that produces the best possible solutions.

High Efficiency Cooling. Whether it is gas extraction, oil refining or producing renewable energy: air-cooled coolers are indispensable. We are continually working on innovative solutions through our intensive development programmes. Our points of departure? Using less raw materials and reducing noise and energy consumption. Our Whizz-Wheel<sup>®</sup> fan is the perfect example of High Efficiency Cooling. More efficient. More sustainable. Smaller, lighter and more silent. From now on, your processes will be able to achieve top performances. This is where our process expertise gives you the edge. Ensuring a high return on your invested capital. And a sustainable future.

**Whizz-Wheel®**  
the Perfect example  
of High Efficiency Cooling

# The Irresistible Attraction of Economic Energy Savings



- **Lowest energy consumption on the market (more than 50% less than conventional fans).**
- **Smaller installations; less material, weight and costs.**
- **The most silent fan compared to conventional fans and compliant with the most stringent sound regulations: 4 to 6 dB(A).**
- **Higher efficiency due to fixed pitch blades with an ideal angle of incidence and a more efficient flow through a much smaller hub.**
- **Maintains its efficiency, even in cross winds and strong winds.**
- **The most sustainable fan on the market.**

© Bronswerk patents applicable

Pumps, compressors and fans are responsible for over half the total energy consumption in the world. Today's society could not exist without these devices. Energy conservation through increased efficiency is therefore crucial. Sustainability is no longer just a word. Sustainability is an accepted point of view.

### **Sustainability as a core value**

Bronswerk has a mission. Bronswerk has taken a huge step towards energy consumption so low it cannot be beaten. Global sustainability with the Whizz-Wheel®. From global electricity consumption by fans of over 30% to consumption of only 15%. It is no longer an utopia. How sustainable can you be?

### **Solutions for ultra-low energy consumption**

Our engineers analyse your processes based on their innovative commitment. Our engineers can convert their know-how into solutions for optimal energy efficiency. For you. Sustainability requires ultimate creativity. Process streamlining. Breakthrough innovation. Today as well as tomorrow. Your future!