



Gas with the push of a button from source to user. Wherever they are. Close by, safe and silent for everyone. How can we make storage and transportation as efficient and energy-saving as possible? An important resource we treat with due consideration. Precisely as it could be done. Precisely as it should.

# BRONSWERK<sup>®</sup> HEAT TRANSFER

Dynamic Heat Exchange Solutions

Natural gas

## your Request and our Solution, the Sustainable Connection



“ With the forged header design, Bronswerk is the only company that can meet our requirements for the minimum distance between the welds and non-overlapping welds. ”

ENPPI - Egyptian EPC company for the Petroleum & Process Industries



There are still places in this world where natural gas is flared during the oil extraction. These places are often remote, which makes gas transportation complicated. From an ecological point of view, this is a great pity. Bronswerk develops sustainable solutions to optimize gas transport.



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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.

Natural gas. The cleanest fossil fuel there is. A mix of methane, nitrogen, carbon dioxide and heavier gaseous hydrocarbons. Our solutions and equipment will help you transport natural gas more safely and efficiently. All in accordance with specifications and codes. We follow these codes but have the skills to continually generate new solutions. You want a made-to-measure solution for your process. We always supply turnkey. You understand the increasing importance of reducing noise and energy and, consequently, reduced CO<sub>2</sub> emissions. We offer you the most silent and efficient systems. ROI time is increasingly important to you. We will help you reduce the total costs of ownership. We are the connection between your needs and our solution.

## Long-lasting Equipment and Reduction of the Costs of Ownership

# Silent and Energy-efficient from Source to User



- Submerged burner vaporiser
- LNG vaporiser
- Low NOX burners
- Chillers
- Compact Header Design
- Radiax®
- Whizz-Wheel®
- Subsea Cooler
- Peak Shaving

*“ In all the processes involving the extraction, transportation and storage of gas, safety is key. Bronswerk has the complete capability to achieve this. To illustrate: We were the very first in the world to develop a Subsea Cooler. For years, we have been working intensively on enhancing and applying our exclusive know-how. ”*

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

Natural gas. One of the most important resources in the world. We take gas from source to the user in a safe, energy-efficient and silent way. The very best solutions for you in gas extraction, transportation and storage. High efficiency. Based on years of experience, know-how and expertise.

### Storage of natural gas – silent and safe

Storage of natural gas as close to the consumer as possible. Meaning in the inhabited world. Silence is important. Safety above all. Natural gas has to be put underground and taken out again. Under enormous pressure. We develop extremely silent coolers and energy-efficient heat exchangers. To optimize storage and transportation of natural gas.

### Subsea Cooler – the power of water

Cooling of gas with structures that are incredibly strong. Corrosion resistant, silent and energy-efficient. Nobody else can do this like we do. Cooling gas in water by directly transferring heat to seawater. Our Subsea Cooler relies on the power of the natural flow of water. An innovation that helps reduce your costs of ownership.

### Considerable weight savings on FPSO and FLNG platforms

Easy to maintain. Smaller. Our Compact Header Design is sustainable, easier to maintain and lower in weight. This is essential on FPSO and FLNG platforms. With this technique, it is absolutely feasible to save 50% weight on equipment and the support structure. You save weight on all fronts. You will save money. You will save space. You are saving on behalf of sustainability.