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IMPROVING COMFORT AND SAFETY –  
**ON LAND AND AT SEA**

## INNOVATION LEADERS IN INDOOR ENVIRONMENTAL QUALITY

Novenco has a history going back 60 years as an innovative, future-oriented company focusing on ventilation and fire fighting. Today we employ more than 700 highly qualified specialists at our 12 sites across the world.

One of the key elements of being a global leader is to be perceived as "one company with one identity". A common design is an important element in this perception.

The company logo is a visualization of Novenco's field of business as well as a reference to its founder, S.T. Westenholz. His cousin was a Danish engineer, poet and artist Piet Hein, the originator of the Super Ellipse as a design element. The dots in the logo represent a stylized fan blade and the letter 'N' for 'Novenco'. Their pattern is also reminiscent of air, water and water mist - the key business areas of Novenco: Heating, Ventilation, Air Conditioning, Refrigeration and Fire Fighting.



## COMFORT AND SAFETY MEAN HIGHER PRODUCTIVITY AND SATISFACTION

In today's world, comfort and safety are important parameters for success in both the private and public sectors. Successful companies and organizations know the value of safe and comfortable working conditions in terms of quality and productivity born from inspiration and motivation of loyal and skilled employees.

Our goal at Novenco is to be the leading global supplier in the fields of ventilation, air conditioning and fire fighting on land and at sea. We will achieve our goal through a constantly innovative and creative approach based on the latest technologies and focusing on quality, cost efficiency and the needs of our customers. Our global network of sales offices and representatives means that we are constantly in touch with market trends and customer needs, and enables us to work innovatively and proactively together with each individual customer.

### Our mission

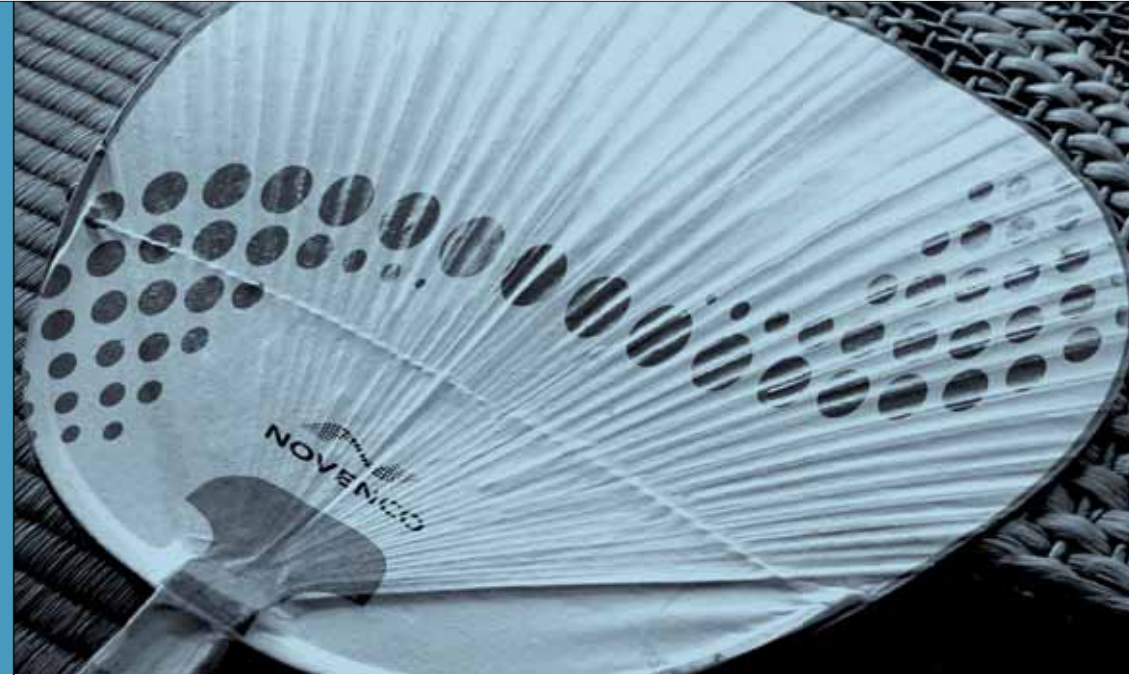
● To offer energy and cost efficient ventilation and fire fighting solutions to serve the human need for comfort and safety.

### Our vision

● We will be our costumers preferred global supplier, being cost focused and profitable, delivering innovative components and systems in our chosen segment.



# DISCREET VENTILATION FOR COMFORT AND SAFETY



We live, work and play in a crowded and busy world. Fresh and clean air is part of our lifestyle. We all know that clean and comfortable surroundings help us to work more effectively.

We have noticeably lowered noise levels – both mechanical and those caused by air flow. And we have enhanced the effect of our solutions in terms of capacity, air quality and temperature control.

Novenco provides innovative technology that helps to create the clean, safe and comfortable environment we all need. We are a leading provider of quality air handling, ventilation products and systems. Solutions range from highly specialized tunnel ventilation systems to air conditioning and ventilation systems for parking areas, offices and industrial facilities.

#### **All-round solutions**

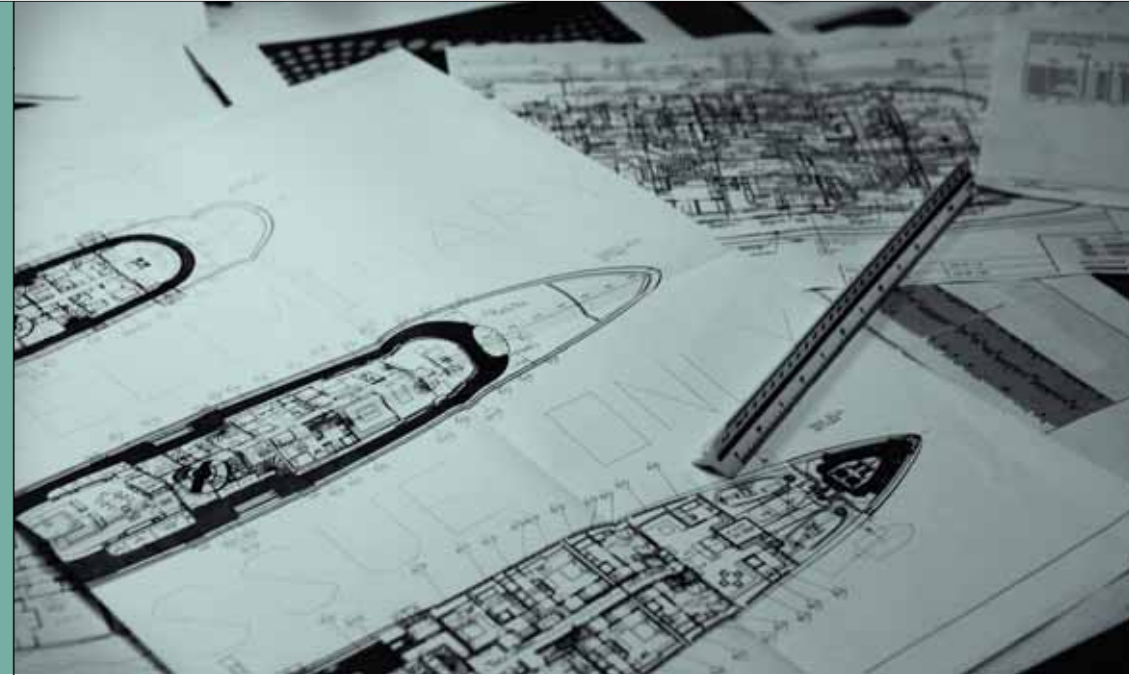
We offer our customers full turnkey solutions, for example car park ventilation systems including design, engineering, CFD simulations, commissioning and high-competence service support. All solutions are based on high-quality products designed for optimum reliability, low sound emissions and unique energy efficiency.

#### **All-round, sustainable comfort**

For Novenco, sustainable comfort has meant an intensive effort to minimize energy requirements and noise, while further increasing performance.

Our Air Handling Unit programme is Eurovent-certified and all fans are tested in one of the leading laboratories in Northern Europe.

# RELIABILITY IS KEY



### Reliable and experienced partner

Novenco offers ventilation and air conditioning solutions for all types of vessels. We design and deliver systems for a wide range of vessels from luxury yachts and cruise liners from container vessels and oil tankers to offshore platforms and navy ships. Novenco has supplied systems to more than 10,000 ships and has met virtually every ventilation and air conditioning demand on the high seas.

This has resulted in system designs customized to the requirements of each vessel specification. Novenco always provides customized solutions and remains a committed project partner until the customer is completely satisfied.

### We meet all your requirements

Novenco designs systems to comply with any demand for reliability, passenger and crew comfort, control and

monitoring, low noise levels, low weight and effective performance in the smallest possible space. During the design phase, Novenco is flexible with regard to change requirements. All systems are delivered to the end user with careful documentation.

### Low lifetime costs

With a Novenco HVAC system, lifetime costs are kept to a minimum. Novenco equipment is of the highest quality and produced at our own production facilities. We can cover the whole product range from cooling plants over air handling units and fans to the smallest cabin unit. All equipment and systems are carefully designed to meet the strictest demands for easy maintenance and, over age, the equipment will keep its good, strong finish. Energy optimisation is a key target for our engineers when they design systems and equipment. This way, you are secured the lowest possible operation costs.

# JUST A SINGLE DROP...



### **Saving lives and material assets**

Most of all, fire fighting is about saving lives. An effective fire fighting solution, however, also focuses on saving material assets such as inventory or cargo, and the building or vessel itself.

Time is of the essence. Speed and efficiency determine a successful outcome, whether at sea or on dry land. For example, a fire onboard a ship causes damage at the rate of some 135,000 Euros a minute. Any delay can be very expensive indeed in terms of lives, initial damage and spreading of the fire.

### **High performance at the lowest cost**

Novenco's long experience in fixed fire fighting systems has led to solutions that ensure optimum safety as well as a long line of other advantages combining lower costs with extremely effective performance. Novenco XFlow® technology delivers the following benefits:

- Fast suffocation of the fire and rapid cooling mean a significant reduction of damage.

- Novenco Fire Fighting uses highly effective water atomization systems. This means lower water consumption and significantly reduces water damage to infrastructure and assets. And it means that you get a water mist system with an exceptionally low power requirement.

- Smaller pipe diameters and fewer concealed nozzles make for a more discreet fire fighting system. Also, you can achieve significant space savings and easier integration without reducing effectiveness.

- A less complex pipe system and fewer nozzles using one of the biggest nozzle spacings in accommodation areas (Lloyds = 5,5 m.) means cheaper installation than other systems.

Novenco also provides fire fighting systems using other agents such as dry chemical powder (DCP) or CO<sub>2</sub>. DCP systems are especially suitable for fire fighting solutions for deck protection and onboard certain chemicals tankers. Manually activated CO<sub>2</sub> systems are appropriate for fire fighting in machinery space, cargo pump rooms etc.



# CONSTANT PERFORMANCE OPTIMIZATION



Novenco's ventilation, air conditioning and fire fighting solutions are designed and built for reliability. But no components last forever.

Novenco After Sales ensures rapid availability of service and spare parts in order to restore full functionality. After Sales is responsible for conversions and upgrades, and they perform surveys and make deliveries ranging from materials to turnkey projects including design and commissioning. Novenco service engineers travel worldwide in order to identify and resolve problems.

Customers with a Novenco service agreement benefit from regular service visits. Our service engineers have in-depth knowledge and experience of our solutions and are committed to providing customers with rapid support in order to ensure maximum production time and performance.

Service agreements can also include ongoing updating of customer solutions as new technologies emerge in order to obtain optimized performance, savings and other advantages.

#### **A global partner – on land and at the high seas**

Based in Denmark, Novenco is a world-leading supplier of ventilation, air conditioning and fire fighting solutions on land as well as offshore.

With its Head Office in Denmark, Novenco has subsidiaries in the Netherlands, UK and Norway, and offices in China, Singapore, Italy and Sweden. Furthermore we have a network of more than 40 representatives all over the world.

All products and systems are designed, manufactured and assembled by skilled technicians at our production facilities in Denmark and China, using advanced technology production methods developed over 60 years. Novenco's R&D department works constantly to improve existing solutions and develop new ones based on our customers' demands for reliability, performance and cost-effective operation using sustainable technologies.

