



JETTS® VACUUM AND
WASTE TREATMENT TECHNOLOGY
CRUISE



The future of vacuum systems

WHEREVER YOU BRING YOUR GUESTS



Pioneering
eco-efficient
technology



**PIONEERING ECO-EFFICIENT
TECHNOLOGY BY JETS®**

Jets® technology has proven its reliability at sea for decades. Our sanitary systems have contributed to countless memorable moments in every corner of the world

– just because it works.

THE FUTURE OF VACUUM SYSTEMS

Our focus is always on improvement, decreasing operating costs and developing sustainable solutions for the future. This is what makes Jets® the preferred supplier of vacuum systems.

Destinations are changing, and people want to get closer to the untouched and unique. At the same time, we all share a responsibility to protect the environment and to minimize the human impact.

Wherever you bring your guests, the quality, comfort and dependability of the Jets® systems provide a smooth experience for all. Jets® eco-efficient technology ensures lower operating costs, and our support team is always ready to assist our customers anywhere in the world.

TRADITION FOR IMPROVEMENT

Innovation, passion, excellent craftsmanship and the commitment to always do better. That is what has taken us to where we are, and what continues to push us forward.



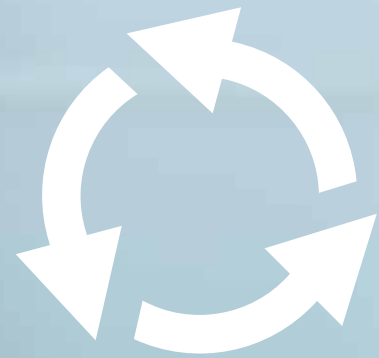
More than
30 YEARS
of experience
worldwide

Jets® was founded in 1986 in the unique maritime community on the west coast of Norway. At this time vacuum sanitary systems on ships were already well established. The idea of doing it better is what sparked us and has kept us going.

In the mid-eighties toilets and toilet mechanisms on cruise ships were powered by electricity. We equipped our first cruise vessel with a vacuum sanitary system in the late eighties. Since the first subcontract in 1988, the cruise sector has become an important asset for further development of our technology. This applies to everything from toilets and toilet mechanisms to the development of larger and more efficient pump systems.

We continuously strive to perfect the comfort of vacuum sanitary systems aboard cruise ships worldwide.





300,000

flushes without the need for
new spare parts

JETS® BENEFITS:

- ✓ Simple, flexible installation
- ✓ State of the art helical screw pump invented by Jets®
- ✓ Few components – easy to maintain
- ✓ Highly reliable and proven technology
- ✓ High vacuum generating capacity
- ✓ Unique redundancy – each Vacuumator® is an independent vacuum generator

UNIQUE TECHNOLOGY IN ALL ITS SIMPLICITY

The latest generation Jets technology is built on more than 30 years of experience. Vacuum sanitary systems by Jets® feature a minimum number of components, making them easy to maintain and providing a unique level of reliability.

Compact vacuum units with small footprint, no need for wastewater tanks and ventilation pipes gives unsurpassed flexibility for the location of vacuum units onboard.

High vacuum generating capacity, easy and cost saving installation and direct interface with any type of advanced wastewater system makes Jets® the perfect choice for all types of cruise vessels.

Hygienic, comfortable and highly reliable Jets toilets, combined with the unique reliability of Jets® vacuum generators, ensures a safe and comfortable voyage for both guests and crew.



THE HEART OF OUR SYSTEM

The unique Vacuumarator® pump is the heart of any Jets® system. It creates vacuum, macerates sewage and discharges – in one single-pass operation.

The Vacuumarator® pump is the most compact and reliable vacuum generator available for sanitary systems. It is highly efficient in transporting any combination of black and grey water under vacuum.

The first Vacuumarator® pump, invented and made by Jets® in 1989, revolutionised sanitary systems on ships. Since then we have continuously developed and refined our technology, and expanded the capacity range.

Renowned for their reliability and impeccable quality, more than 60,000 Vacuumarator® pumps by Jets® are currently in operation worldwide.



- ✓ Frequency control
- ✓ Rock steady vacuum
- ✓ Continuous improvement

THE UNIQUENESS OF THE VACUUMARATOR® PUMP:

FLEXIBILITY

Small footprint and low weight allow unique installation flexibility.

UNSURPASSED RELIABILITY

The Vacuumarator® pump is the most reliable generator available for vacuum toilet systems.

HIGH CAPACITY

The Vacuumarator® pump provides unmatched system performance.

CHARM BY JETS®
– the classic choice
for cruise ships

TRUE QUALITY WORKS ANYWHERE

Regardless of the room size, the adaptable Jets® sanitary solutions will heighten the experience of quality and comfort. Equal quality – different looks and sizes.

By providing your guests with the best available quality in the bathroom, they are free to enjoy the fine dining, beautiful scenery and memorable experiences without negative distractions.





Provide your guests with a luxurious experience and award-winning design

Reliability is the most important quality of a sanitary system. We think it should look good as well, and are proud to have been honoured with the Norwegian Design Council's Award for Design Excellence for our Pearl toilet.

Pearl by Jets® is acknowledged for its ergonomic design, ensuring maximum comfort. Separate wall installation of the seat and cover, along with the rimless design of the bowl, makes the toilet hygienic and easy to keep clean. The seat and cover are soft closing and the toilet is also sound isolated.



AWARD FOR DESIGN EXCELLENCE
NORWEGIAN DESIGN COUNCIL

PEARL BY JETS®



A CAREFREE JOURNEY

Jets® is constantly innovating to ensure a carefree journey for both owner, crew and guests. A result of this is our revolutionized discharge valve.

By replacing the traditional lifting membrane with a piston, we have increased the lifespan of the valve. The result of this is that the valve can handle a significantly higher number of flushes before maintenance is required, leading to a reduction in operating costs.

This solution has proven to be both extremely reliable and very durable.



PIONEERING TECHNOLOGY PISTON VALVE BY JETS®

An improved non-return valve is placed in a new location

One single distributor for control hoses

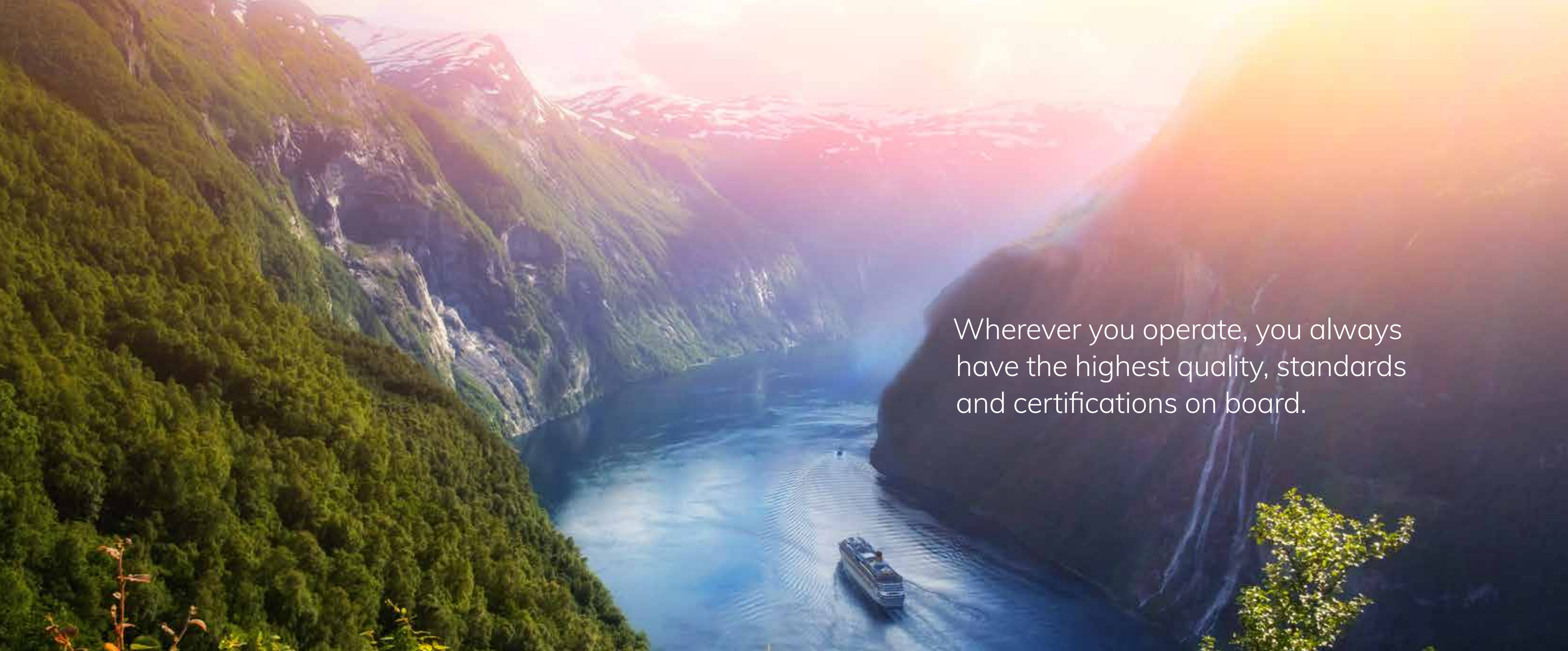
Easy slide-on and slide-off mechanism

Push fitting to toilet bowl



- ✓ Jets® standard supply
- ✓ Revolutionary lifespan
- ✓ No lifting membrane
- ✓ Piston can handle one million flushes





Wherever you operate, you always have the highest quality, standards and certifications on board.

All Jets® products and systems are manufactured to the highest standards, carefully assembled and individually tested. Quality control is an integrated part of our streamlined production process, ensuring customer satisfaction through high reliability.



Our globally implemented quality system means all Jets® facilities around the world adhere to the same strict testing procedures, ultimately resulting in a carefree voyage for both crew members and guests.

Jets® is certified according to ISO 9001:2015 and 14001:2015.





For further details of Jets® representatives, please visit our website www.jetsgroup.com



JETS® GLOBAL NETWORK

- Head office
- Jets® representatives

Know-how and expertise available worldwide

Jets® has accumulated unique know-how and expertise in vacuum toilet systems and marine sanitation for three decades. This combined experience is readily available to all of our customers.

We aim to share our knowledge and experience with each and every one of our customers. We will gladly assist by offering guidance during the construction and installation phases of Jets® products.

We know better than most that a correctly designed piping installation is essential to a well-functioning vacuum system, possessing some of the world's best competence in this field.

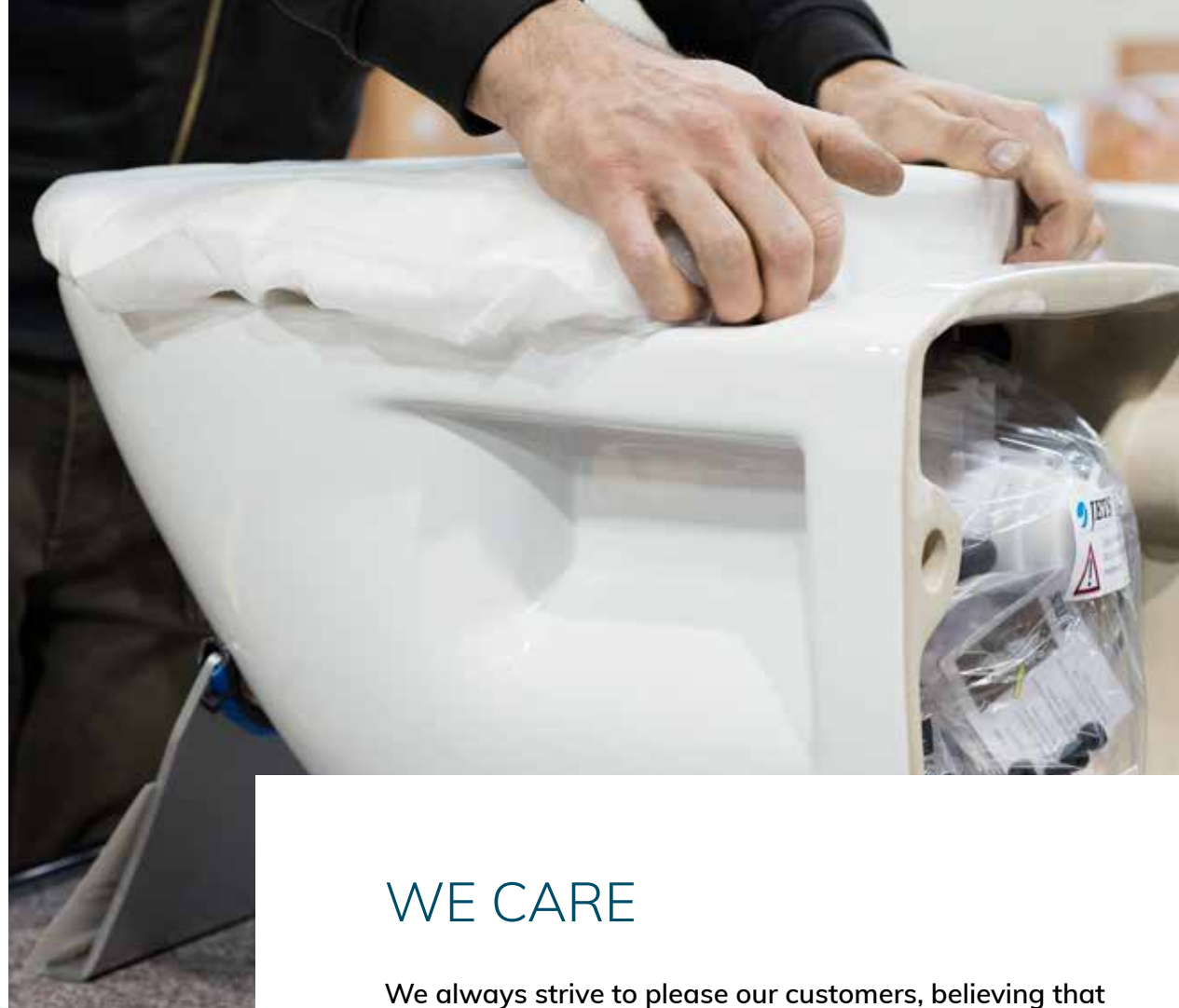


UPGRADE TO JETS® – GAIN INSTANT BENEFITS

Your existing vacuum system can easily be replaced in favour of the latest generation Jets® technology. You will experience immediate savings, added vacuum capacity and improved reliability.

More than 100 cruise ships have been successfully retrofitted with Jets® vacuum units and toilets. Vacuumator® pumps will improve the efficiency of any vacuum system.

By upgrading to Jets®, the capacity of your current installation will increase while power consumption is significantly lowered, and time spent on maintenance is dramatically reduced. In addition, the need for anti-foaming chemicals is eliminated – as are the associated costs and environmental impact.

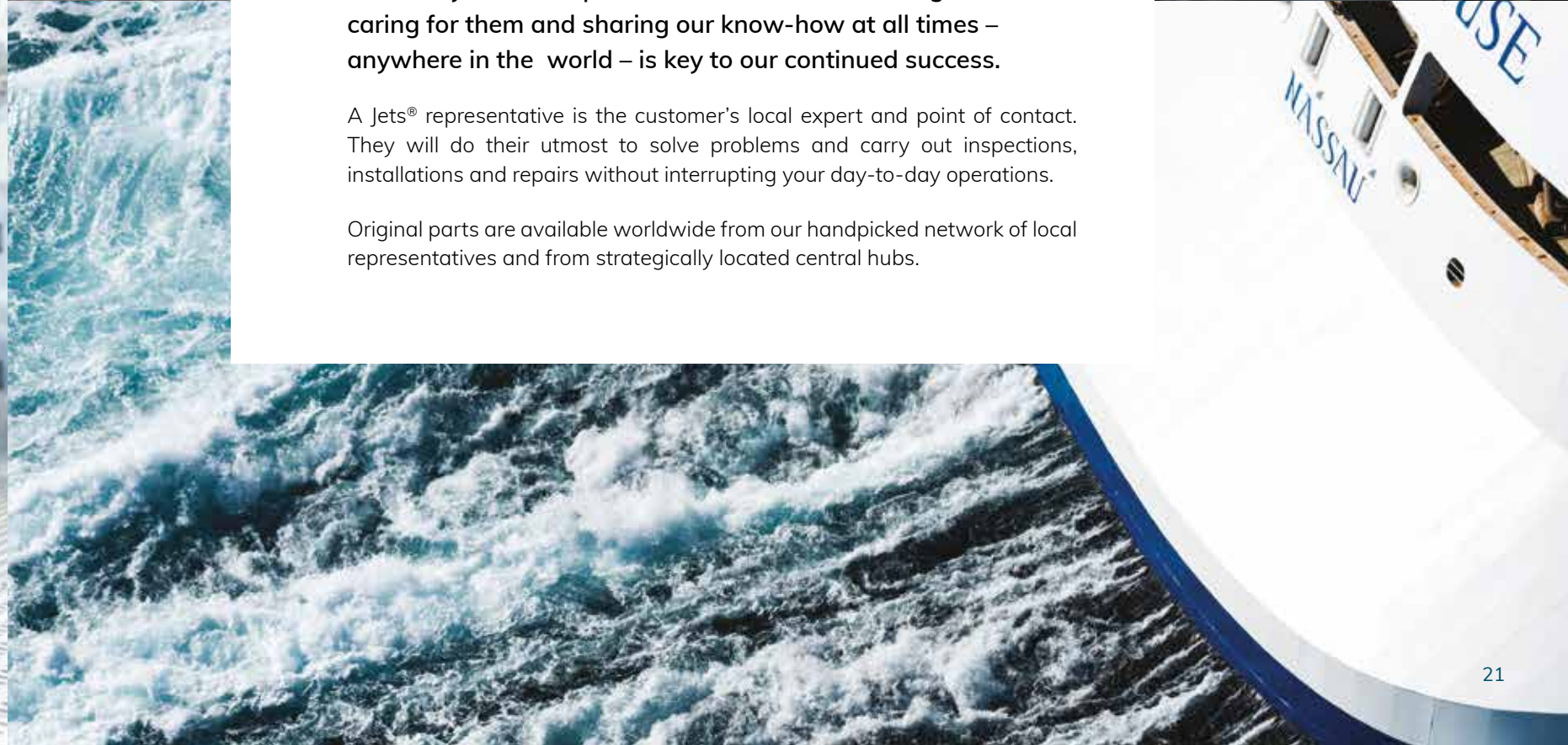


WE CARE

We always strive to please our customers, believing that caring for them and sharing our know-how at all times – anywhere in the world – is key to our continued success.

A Jets® representative is the customer's local expert and point of contact. They will do their utmost to solve problems and carry out inspections, installations and repairs without interrupting your day-to-day operations.

Original parts are available worldwide from our handpicked network of local representatives and from strategically located central hubs.





GREG
MORTIMER

Sunstone series – Ulstein CX103 design
OWNER: SunStone
BUILDER: China Merchants Heavy Industries,
Jiangsu, China



AIDA
PRIMA

OWNER: AIDA Cruises
BUILDER: Mitsubishi Heavy Industries,
Nagasaki, Japan



AMADEUS
QUEEN

OWNER: Lüftner Cruises
BUILDER: De Hoop B.V.,
Lobnitz, Netherlands

TRUSTED TO SUPPLY THE MOST DEMANDING CUSTOMERS

Powered by the most compact, efficient and reliable vacuum generator available, Jets® systems have been selected by some of the world's leading cruise and ferry lines.





**Pioneering
eco-efficient
technology**



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