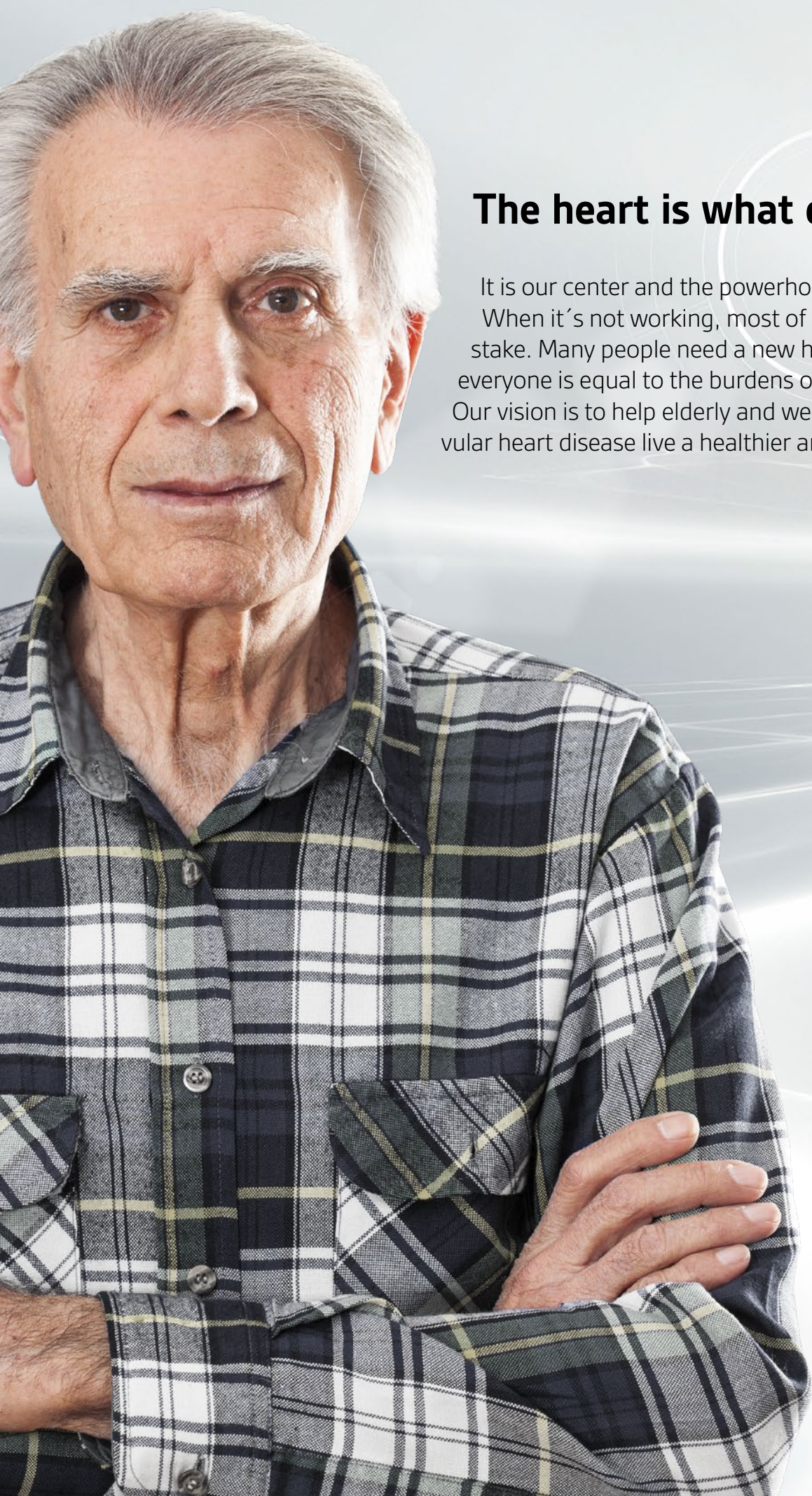


ALLEGRA

Transfemoral TAVI System

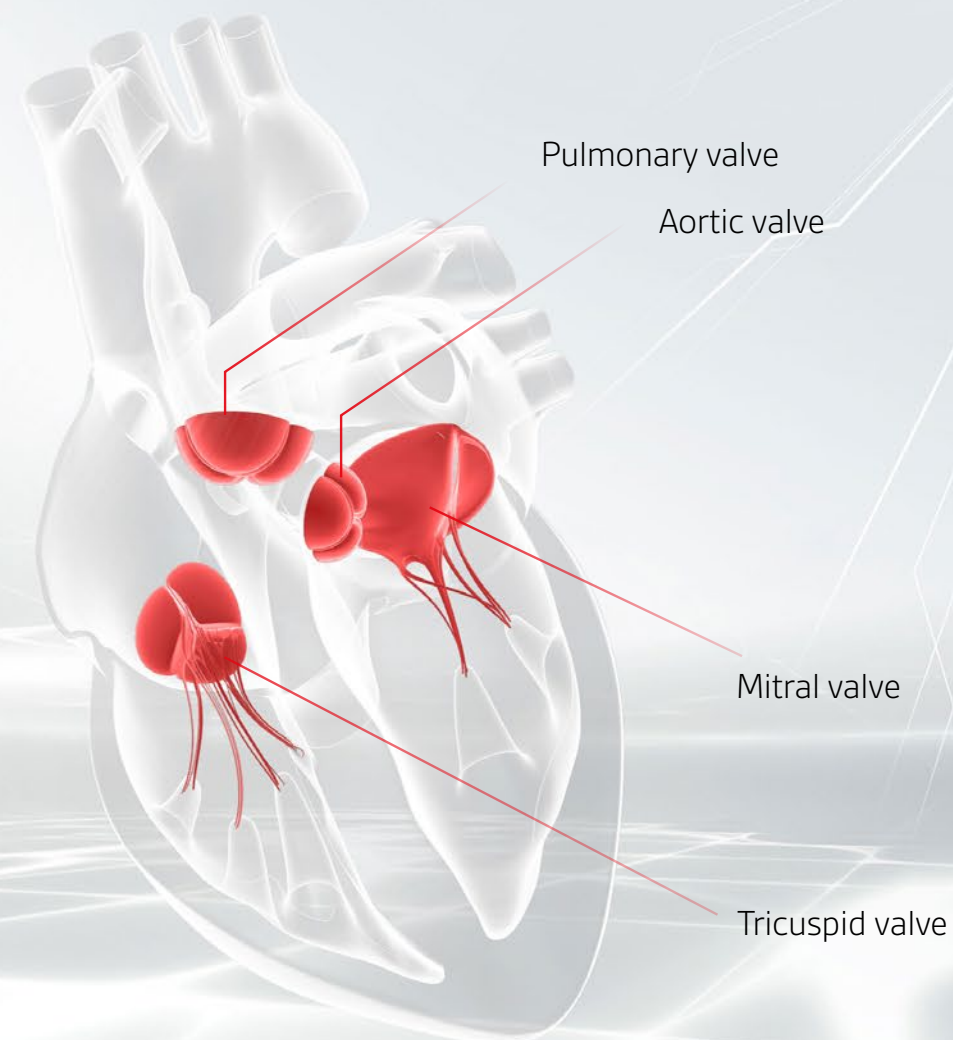


Control the Flow.



The heart is what drives us.

It is our center and the powerhouse of our organism. When it's not working, most of the time, life is at stake. Many people need a new heart valve, but not everyone is equal to the burdens of invasive surgery. Our vision is to help elderly and weaker people with valvular heart disease live a healthier and more fulfilling life.



Minimally invasive. Maximally innovative.

New Valve Technology was founded with one major goal: From the beginning we are dedicated to developing and marketing innovative technologies for the minimally invasive treatment of all heart valves. This conscious focus makes us real experts. Together with physicians and medical institutions, we pioneer safe and cost-effective therapies.

Our first innovative product is the aortic valve ALLEGRA. Our customized tricuspid valve TRICENTO has been successfully implanted multiple times and more solutions for the other heart valves are under development.

ALLEGRA

Catheter based, transfemoral aortic valve implantation system (TAVI).

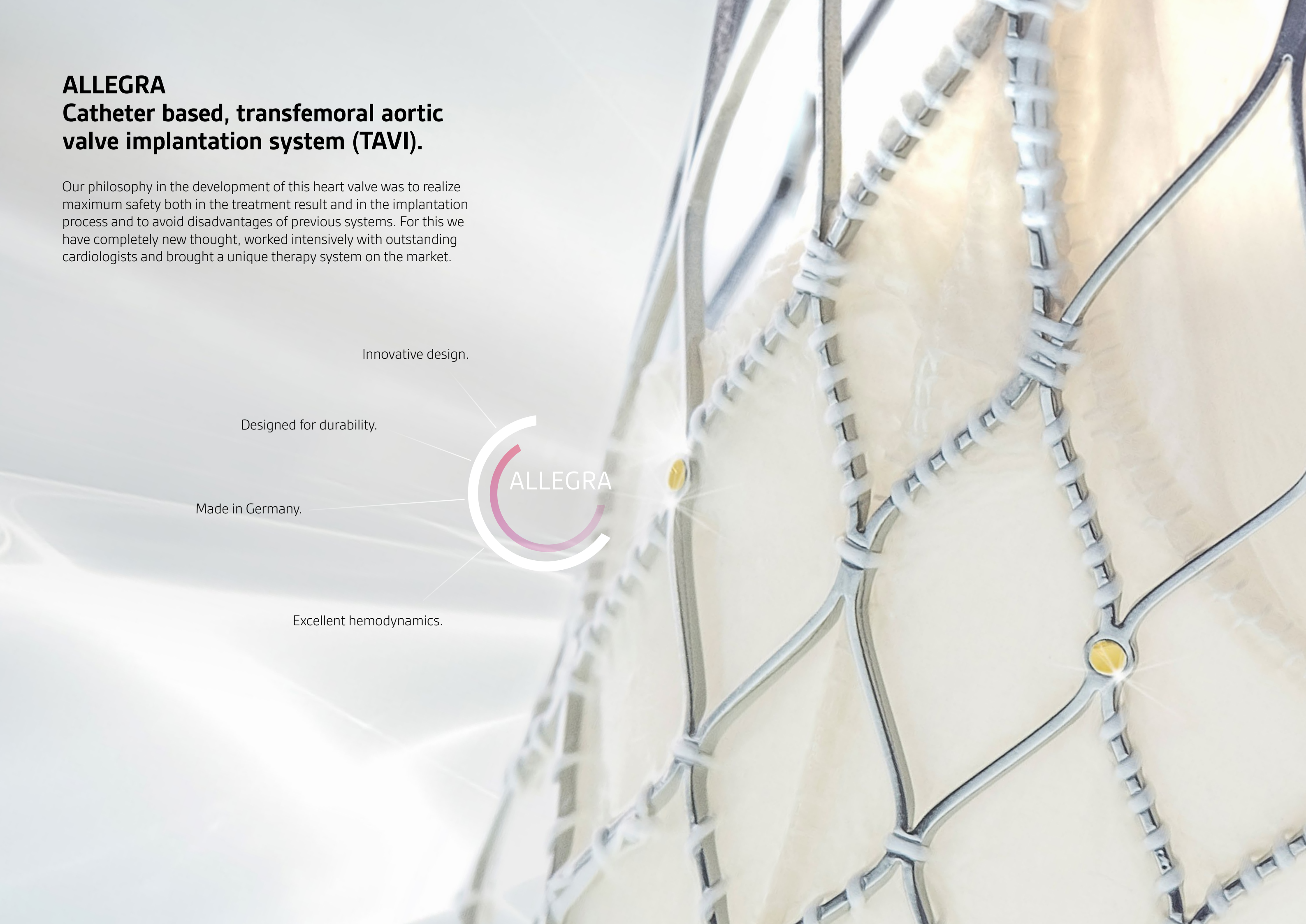
Our philosophy in the development of this heart valve was to realize maximum safety both in the treatment result and in the implantation process and to avoid disadvantages of previous systems. For this we have completely new thought, worked intensively with outstanding cardiologists and brought a unique therapy system on the market.

Innovative design.

Designed for durability.

Made in Germany.

Excellent hemodynamics.

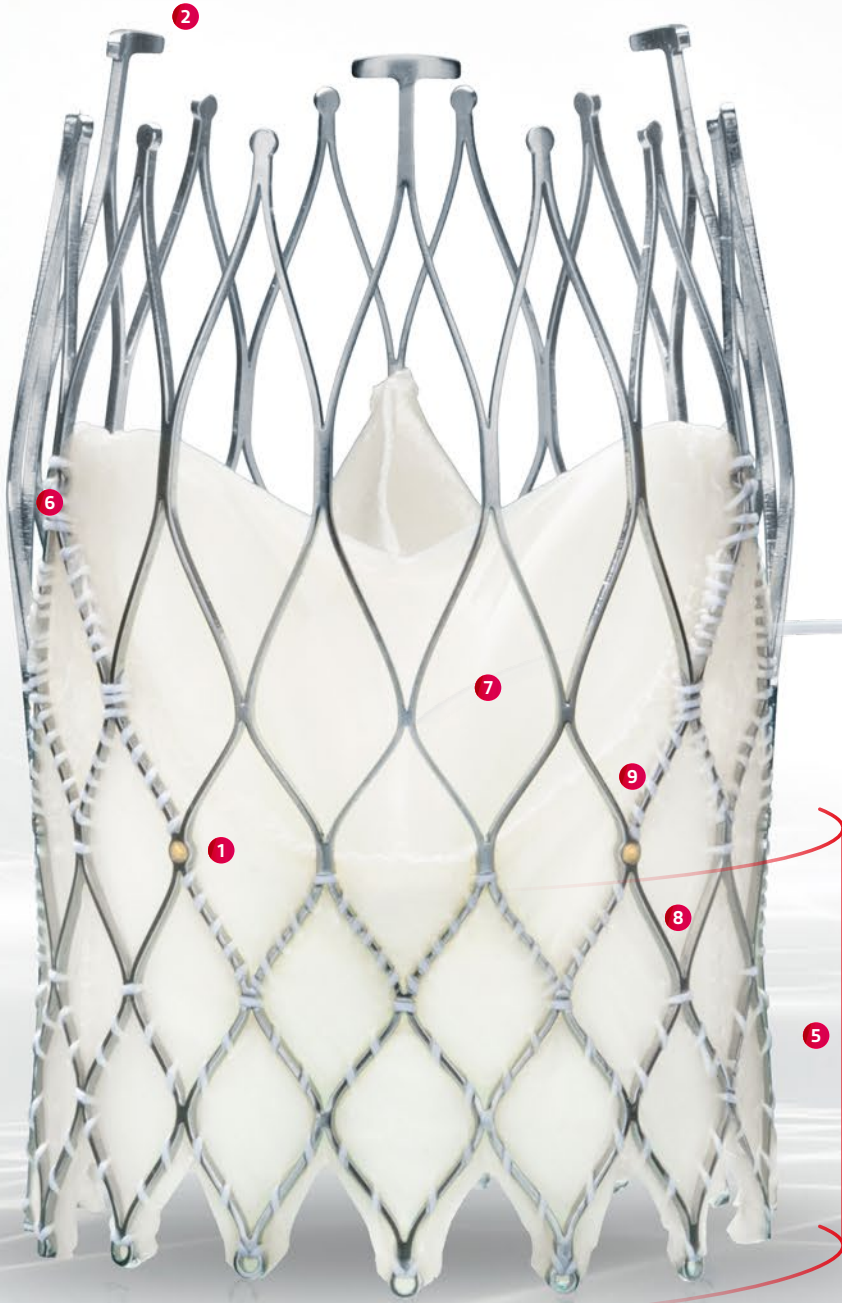


Minimally invasive. Maximally effective.

Control. Flow. Durability.
Three arguments – one unique system.

Control

- Radiopaque gold markers allow for good visibility and precise implantation. 1
- T-Bars facilitate safe anchoring to the catheter. 2
- Radiopaque marker rings for accurate positioning.
- Integrated safety mechanism for targeted release. 3
- Squeeze-to-Release mechanism allows for stepwise and controlled implantation. 4
- Optimized balance of flexibility and stiffness for steerability and precision.
- Atraumatic catheter tip design.



Flow

- Permaflow principle for continuous hemodynamics during implantation.
- Tailored radial force distribution.
- Supra-annular design for low gradient and high effective orifice areas.
- 12 mm sealing area minimizes the risk of paravalvular leakage. 5



Durability

- Leaflet stress reduction through flexible commissural fixation points. 6
- Bovine pericardium, selected in material thickness and elasticity. 7
- Robust, self-expanding, lasered nitinol stent. 8
- PTFE surgical suture material. 9

(in mm)	ALLEGRA 23	ALLEGRA 27	ALLEGRA 31
Annulus diameter	19 — 22	22 — 25	25 — 28
Annulus perimeter	59.7 — 69.1	69.1 — 78.5	78.5 — 88
Annulus area	280 — 380 mm ²	380 — 490 mm ²	490 — 620 mm ²
Inflow diameter	23.8	27.4	31.0
Valve outflow diameter	24.0	28.0	28.0
Stent height	37.3	41.3	43.0

Characteristics Delivery System TF

- 18 Fr catheter (compatible with 13.5 Fr balloon expandable introducer sheath)*
- Compatible with a 0.035 inch (0.889 mm) guide wire
- Usable length 115 cm
- Hydrophilic coating

* Terumo SOLOPATH Re-collapsible Balloon Access System



Minimally invasive. Maximally cooperative.

"Successful therapies require a high degree of control. Safety comes from high quality products and well designed therapy systems. But control also means cost-effectiveness and competent business relationships at eye level. All this I find at New Valve Technology."

Cutting-edge technology is created when the most creative product developers work hand in hand with the best of users. That's why customer proximity is very important to us. Our products are developed in close collaboration with doctors and clinics. We want to help our customers as a long term partner to be successful.

Control the Flow.



New Valve Technology – innovative and solid at the same time.

There are many reasons to work with New Valve Technology. The founders and owners of the company have a medical device background and ambitious long-term leadership in the field of heart valve technology. In addition to a solid financing, the most creative developers and one hundred percent in-house production, absolute quality is at the forefront of our European corporate culture.

For all its expertise, New Valve Technology is one thing above all else: the accessible and competent partner with a clear focus on the success of its users and the health of their patients.



NEW VALVE
TECHNOLOGY

100 % funded by private investors with a long-term perspective.

State-of-the-art technology and exciting product pipeline.

Experienced management team.

10 years of experience in heart valve technology.

Complete own research & development and clean room production in Germany.



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