

Unique service in the industry with state-of-the-art technology for greatest variety of shapes and fast processing

Profile bending and sheet metal processing



heroal

Profile bending and sheet metal processing

First-class materials, solutions that are technically coordinated down to the last detail and a wide range of design options are what distinguish the efficient heroal systems technology. These are benefits that impress. For decades, heroal has been a reliable partner for architects, builders and fabricators with innovative aluminium and aluminium composite solutions for the building shell.

Planners appreciate the diversity of the design possibilities, builders can bring their specific requests to life with a reliable system and our partners benefit from the economical and efficient heroal system solutions.

heroal's industry-exclusive range includes not only systems for roller shutters, sun protection, roller doors, windows, doors and curtain walls, but also an in-house profile bending and sheet metal processing service with state-of-the-art technology. This gives heroal fabricators the special advantage of being able to respond to any additional structural or design-related requests on the part of architects and builders quickly and with the best quality – with a large selection of coated surfaces.

Discover the heroal "Profile bending and sheet metal processing" service for yourself.



One system – Many possibilities

Page 4

Profile bending, folding and laser processing

heroal bending technology

Page 6

Flexible, effective and customised

heroal folds

Page 8

Fast, reliable and effective

heroal laser processing

Page 8

Precision sheet metal processing

Service

Page 14



Thanks to our in-house and industry-exclusive bending technology, heroal systems can be optimally adapted to the wishes of architects, planners and end customers.



One system – Many possibilities

Profile bending, folding and laser processing

As a leading aluminium systems supplier for roller shutters, sun protection, roller doors, windows, doors and wall curtains, heroal combines innovative quality systems with industry-exclusive service: This also includes an in-house profile bending and folding service with state-of-the-art technology. This is a major advantage for heroal partners, as they are able to respond to any additional structural or design-related requests on the part of architects and builders quickly and with the best quality – and that with heroal’s

high-grade coating technology. According to individual specifications, the experienced heroal team executes complex forming tasks, such as round, segmental and basket arches or circular elements or precisely fitting, reproducible folds and laser cuts in top quality with very short processing times. In addition, special shapes can also be prefabricated as building elements if needed. This is an additional service that enables heroal fabricators to carry out further processing with particular reliability and speed.

- » Formed elements made of heroal window and door profiles for indoor and outdoor use and heroal curtain wall constructions are manufactured according to customer requirements
- » heroal uses its bending expertise to meet even difficult and complex customer requirements: heroal employs cutting-edge production processes to guarantee the customary high level of system reliability and top quality
- » Special shapes are prefabricated as building elements if needed
- » The basis of a high-quality formed element is the perfect curve: heroal manufactures and uses its own bending rollers and tools to achieve and guarantee an optimum bending result for the profile cross-sections
- » Templates or CAD drawings serve as the basis for production

- » heroal formed elements are completely welded in such a way that seams are barely noticeable
- » The glass strips are cut for an exact fit and optimally prepared
- » Completely prefabricated arched shapes or elements including profile finishing (drainage, milling for locks, strips, etc.) for customised final assembly are delivered by heroal’s own vehicle fleet
- » After the bending process, the desired colour design is applied in high-quality heroal hwr powder coating on our own coating systems, and anodised surfaces in heroal hwr quality are also available for selection

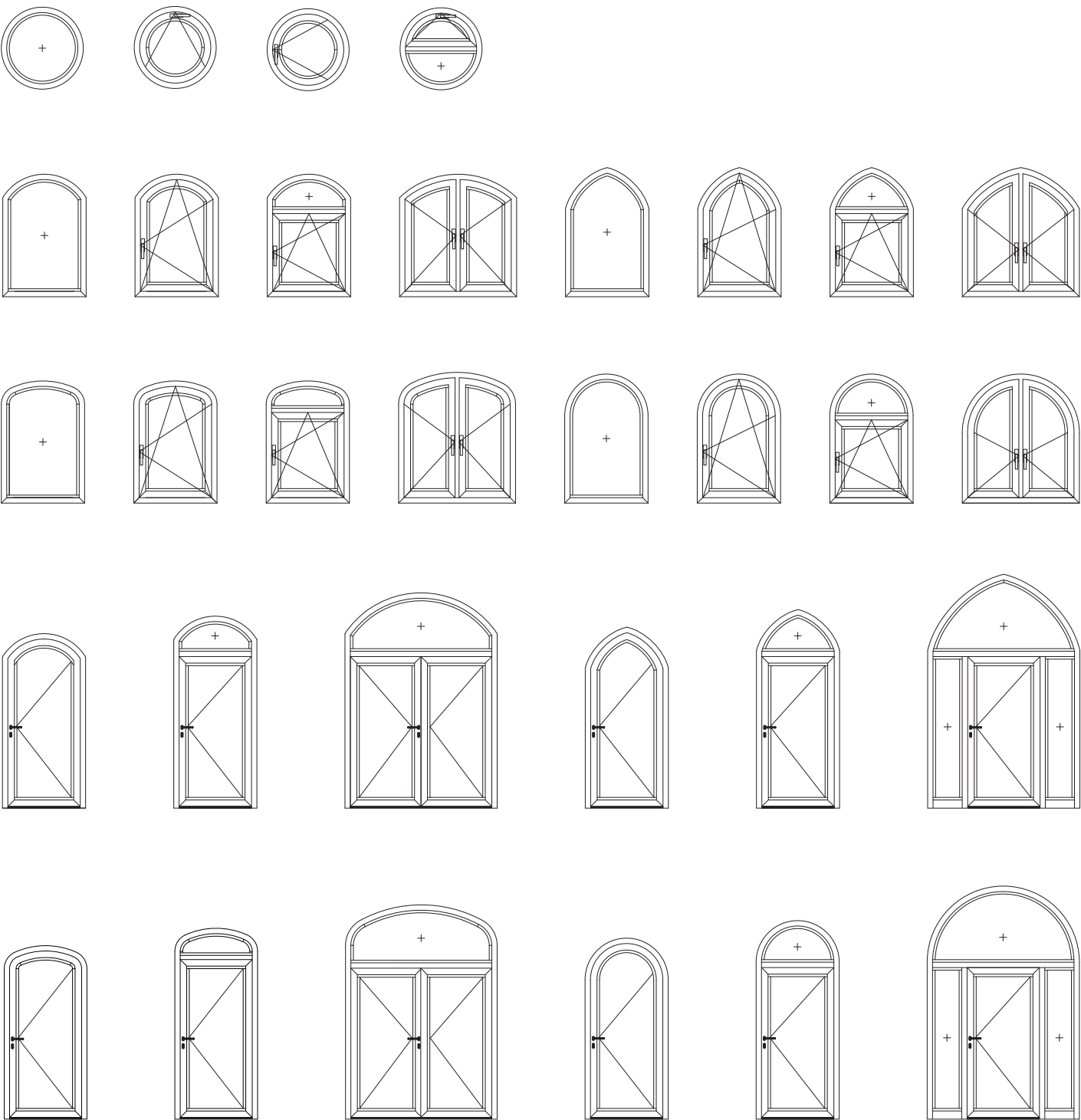
From the order to the delivery



heroal bending technology

Flexible, effective and customised

heroal bending technology can be used for all opening types – in both new and old buildings. heroal window and door systems can be designed as a one-piece or two-piece element with side sec-



tion and skylights as a round, segmental or basket arch. You can see an overview of possible variants here:

heroal bending technology

Unlimited architectural freedom



Bending heroal systems allows the realisation of a wide range of designs. Architectural highlights can be set both in the building shell and in interior areas – even the heroal fire protection system can be shaped.

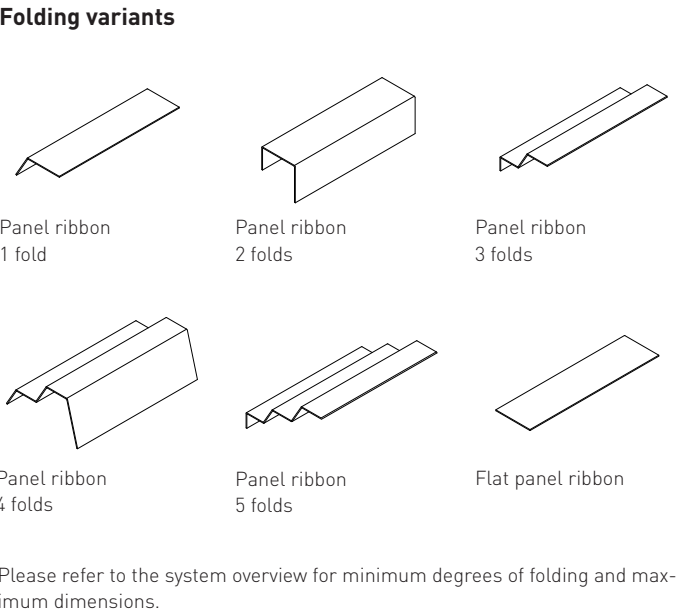
This full system compatibility is also evident in the heroal insect screen system – which can also be adapted to the designed elements.

heroal system portfolio for flexible series		Arch shapes				Arch direction		Element formation	
		Round arch	Basket arch	Segmental arch	Circular	Curved vertically	Curved horizontally	One-piece	Two-piece
heroal door systems	heroal D 92 UD	•	•	•	–	•	–	•	•
	heroal D 72	•	•	•	–	•	–	•	•
	heroal D 72 RL	•	•	•	–	•	–	•	•
	heroal D 72 CL	•	•	•	–	•	–	•	•
	heroal D 65	•	•	•	–	•	–	•	•
heroal window systems	heroal W 72	•	•	•	•	•	–	•	•
	heroal W 72 RL	•	•	•	•	•	–	•	•
	heroal W 72 CL	•	•	•	•	•	–	•	•
	heroal W 72 CW	•	•	•	•	•	–	•	•
	heroal W 65	•	•	•	•	•	–	•	•
heroal curtain wall system	heroal C 50	•	•	•	–	•	•	–	–
heroal fire protection system	heroal D 82 FP	•	•	•	–	•	–	•	•
heroal profile systems, non-insulated	heroal D 65 C	•	•	•	–	•	–	•	•
	heroal D 50 C	•	•	•	–	•	–	•	•
	heroal W 50 C	•	•	•	•	•	–	•	•
heroal insect screen systems		•	•	•	•	•	–	•	–

heroal folds

Fast, reliable and effective

- » heroal offers extensive and customised sheet metal processing and manufacturing, including high-quality heroal hwr powder coating
- » All elements are realised economically and promptly and are reproducible
- » Cladding solutions are possible as U-, Z-, angle and corner profiles, cassette sheets etc. according to customer specifications
- » Minimum material thickness for folded sheets 2 mm
- » Sheets up to a maximum size of 1,250 mm x 6,000 mm or 1,500 mm x 3,000 mm and a minimum size of 12 mm x 12 mm can be folded
- » Minimum degree for folding: 30° / 150°
- » Folding also possible with openings, e.g. for glass inserts, light openings and lettering



heroal laser processing

Precision sheet metal processing

- » For individual sheet metal processing and manufacturing, heroal offers complex, precise and dimensionally accurate laser processing, also for customised panel sheet metal processing of front door panels
- » After processing, the sheets are finished in high-quality heroal hwr powder coating
- » Lettering, logos and openings can be individually placed for architecturally complex solutions from architects, planners and builders
- » Material thickness for folded sheets 2 mm or 3 mm
- » Sheets up to a maximum size of 1,500 mm x 3,000 mm can be lasered

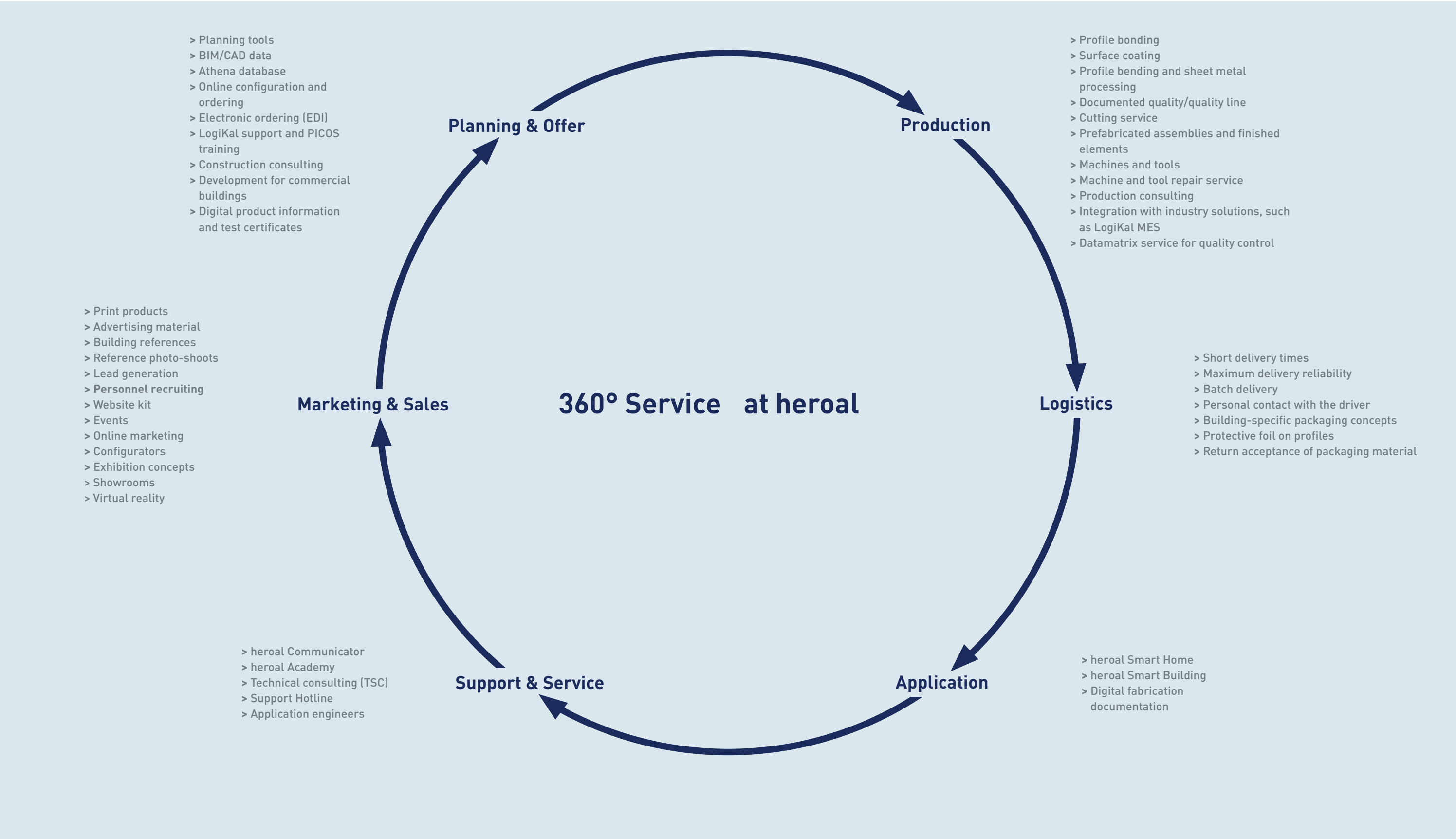


The heroal all-round service

Support across the entire process chain

Comprehensive support. Comprehensive satisfaction.

Success is when every cog is perfectly in sync to ensure that everything runs smoothly. So we have designed our service offers to provide optimum support in every aspect of your work. From marketing through to planning and production as well as application, our comprehensive service supports you along the entire process chain.



heroal



simply better *spaces for life*

As a manufacturer of aluminium system solutions for roller shutters, sun protection, roller doors, windows, doors, sliding doors, curtain walls and patio roofs, heroal is an international market leader, supporting high-quality residential and commercial construction projects worldwide. heroal products are developed and manufactured in Germany and set themselves apart with their premium quality and exceptional performance features. As a result, the innovative system solutions contribute to greater sustainability, security, comfort and architectural freedom for both current and future building projects and impress with simple and efficient planning and fabrication by heroal specialist partners.

Roller shutters | Sun protection | Roller doors

Windows | Doors | Sliding doors | Curtain walls | Patio roofs

heroal – Johann Henkenjohann GmbH & Co. KG

Österwieher Str. 80 | 33415 Verl (Germany) | Tel. +49 5246 507-0 | Fax +49 5246 507-222 | www.heroal.com