

Complete solution in modern design with particularly large span widths and simplified installation

# Patio roof system heroyal OR and Accessory Systems



**GERMAN  
DESIGN  
AWARD  
WINNER  
2021**

**heroyal**

## Patio roof system

First-class materials, technical perfection down to the smallest detail and a wide variety of design options are the unique characteristics of heroal's efficient system technology. Advantages that are convincing. For decades, heroal has been the reliable partner for architects, builders and fabricators, offering innovative solutions for the building shell made from aluminium and aluminium composites.

Planners appreciate the wide range of versatile design options, builders are able to create individual requirements with a reliable system, and our partners benefit from economically efficient heroal system solutions.

The patio roof system heroal OR impresses by its timeless design based on cubic shapes. Furthermore, the system stands out for its easy and efficient processing and the numerous possible combinations with fully integrating, all-glass moveable wall systems or shading elements. Thanks to their sophisticated design details, they can be aesthetically integrated into the patio roof system - and are also suited for a retrofit at a later date.

Discover the variety of the patio roof system heroal OR and its accessory system components.



Patio roof system heroal OR SL with horizontal blind heroal HS and all-glass moveable wall system heroal S 20 C

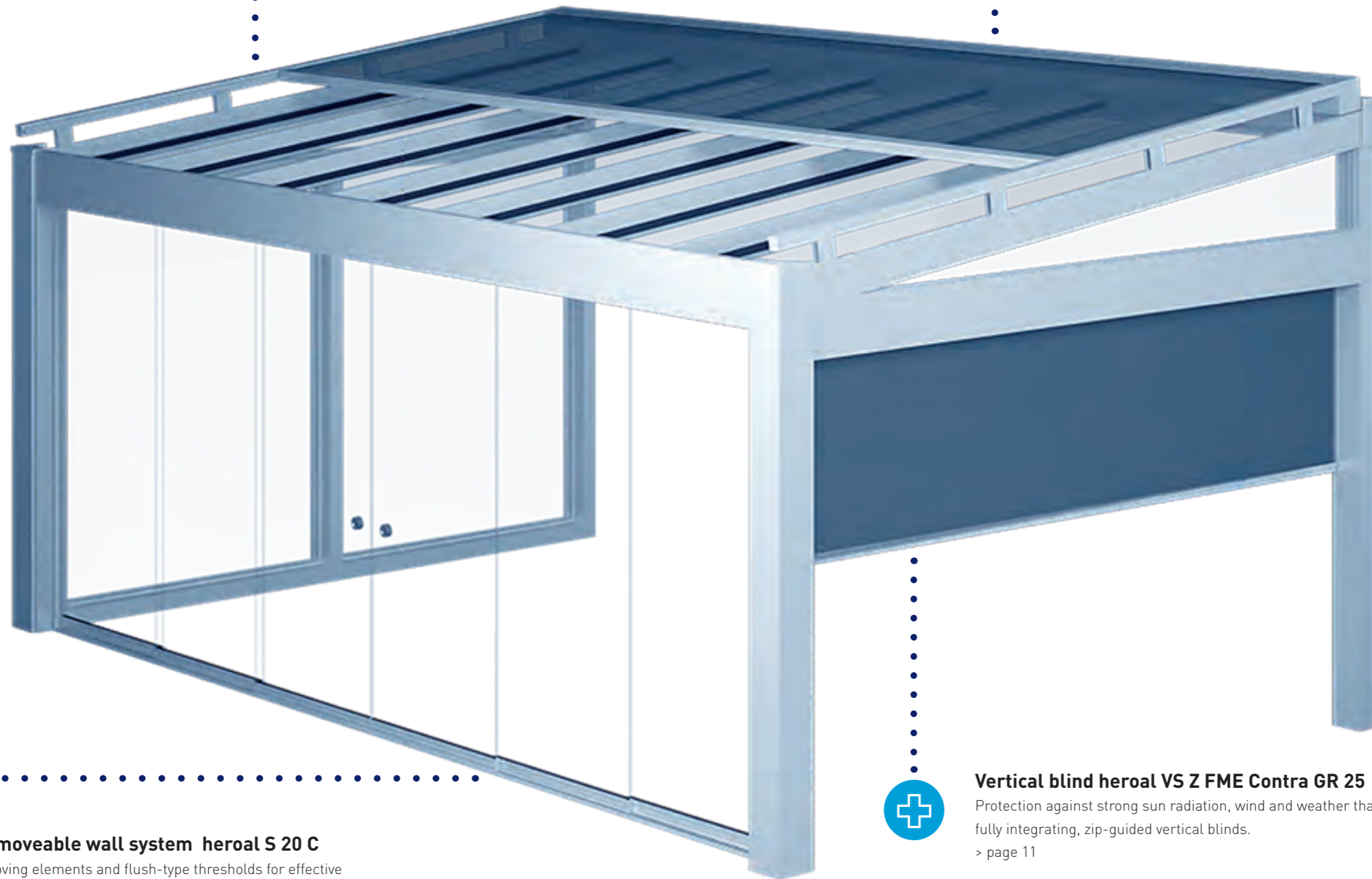
**Patio roof system heroal OR**

Extreme span widths of 7 metres\* without the need for centre supports or additional steel reinforcements. The wide variety of possible combinations of eaves and rafter profiles provides for various designs of the roof structure.  
 > page 6



**Horizontal blind heroal HS**

Zip-guidance with back pull system for perfect textile tensioning and protection against unwanted heating due to strong sun radiation.  
 > page 10



**All-glass moveable wall system heroal S 20 C**

Frameless moving elements and flush-type thresholds for effective protection against the weather and maximum light transparency.  
 > page 7



**Vertical blind heroal VS Z FME Contra GR 25**

Protection against strong sun radiation, wind and weather thanks to fully integrating, zip-guided vertical blinds.  
 > page 11

\* For more information on the range of use, please see the tables for static pre-dimensioning in our Ordering and Manufacturing Catalogue heroal OR (item no. 87133).

## heroal OR

Modern patio roof system with especially wide span widths



The patio roof system heroal OR (Outdoor Roof) impresses with its timeless design, thanks to cubic shapes and concealed rafter feet. Extreme span widths of 7 metres\* can be created without the need for centre supports or additional steel reinforcements. For higher demands on the design snow load, optional centre supports are available to create larger roofs. The manufacture is made especially fast and easy thanks to square cuts without notches, screwable corner connections and mountable rafters. In order to provide the ideal solution for every use and meet the individual demands on statics and design, a wide range of different eaves and rafter profiles can be combined - the processing is identical. Depending on individual requirements, patio roof systems can be ordered as system goods or as pre-assembled elements, thus offering the greatest flexibility.

**heroal OR GL (Grand Line)** with its impressive span widths of 7 metres\* provides for generous panorama elements, offering splendid views and a maximum use of space.

**heroal OR SL (Slim Line)** stands out for an especially slim design of the supporting framework, representing lightness and modernity and creating an exceptional area outdoors.

### System dimensions and features

- » design depths: eaves 180 mm, columns 202 mm, rafters GL/SL 155/125 mm
- » face widths: GL/SL eaves 275/225 mm, columns 202 mm, rafters 87/37 mm (inside/outside view)
- » max. element width: 7,200 mm
- » roof pitch: 7-30°
- » glazing: laminated safety glass, double-skin sheets with glazing strip or seal
- » thickness of glazing/infill: 8-32 mm
- » approved screwed connection: Z-14.4-840

### Design options

- » individual designs possible due to various possible combinations of profiles in different sizes
- » modern style thanks to cubic design with concealed rafter feet
- » wide range of operational areas, even with higher demands on design snow load thanks to optional centre support
- » accessories with system compatibility: all-glass moveable wall system heroal S 20 C, horizontal blind heroal HS and vertical blind heroal VS Z FME Contra GR 25
- » high-quality colour design with heroal hwr powder coatings, heroal SD surface designs and Les Couleurs® Le Corbusier

heroal OR GL, cross-sectional view

## heroal S 20 C

All-glass moveable wall system with frameless sashes



The non-insulated all-glass moveable wall system can be integrated into the patio roof system heroal OR easily and harmoniously - even at a later date. Thus, the patio roof is transformed into an all-weather summer garden, which offers protection against the weather and, following the trend toward Outdoor Living, extends your home into the great outdoors with additional living space.

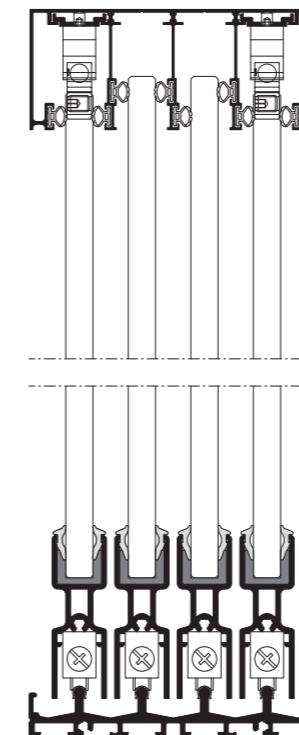
The moveable wall system is especially flexible: heroal S 20 C offers a variety of opening types; the sashes can either be pushed to one or both sides (French design). The 3-, 4- and 5-track thresholds are available in a flush-type design and, in combination with the frameless sashes, create maximum light transparency. The manufacture is made easy and fast thanks to clampable frame connectors, adjustable carriers and glazings with wedge seals. Slide dampers make sure that the sashes open and close safely, smoothly and comfortably, being automatically drawn into their final position. In addition, sash carriers and durable stainless steel rails provide for a durable and very convenient practical operation.

### System dimensions and system features

- » design depths: frame 83 mm (3-track), 106 mm (4-track), 129 mm (5-track), sash 20 mm
- » face widths: frame 18 mm (bottom), 45 mm (sides, top), sash 60 mm
- » min. sash width: 500 mm
- » max. sash weight: 80 kg
- » thickness of glass: 8-10 mm toughened glass

### Design options

- » opening types: one side and both sides (French design)
- » flush-type threshold
- » automatic, safe and convenient closing of sashes thanks to slide dampers
- » system compatibility with patio roof system heroal OR - also suited for an integration at a later date
- » high-quality colour design with heroal hwr powder coatings, heroal SD surface designs and Les Couleurs® Le Corbusier



heroal S 20 C, cross-sectional view

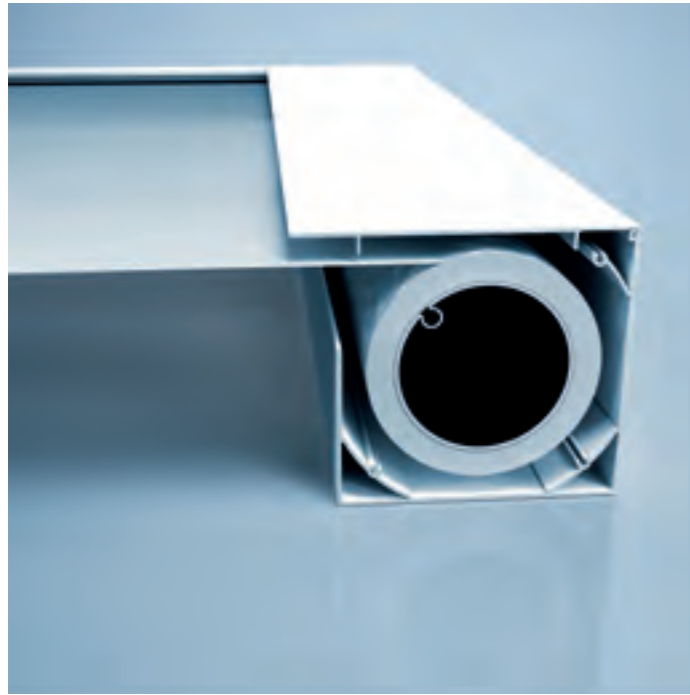


Because of its timeless design, span widths of up to 7 m\*, various possible combinations with harmoniously integrating all-glass moveable wall and sun protection elements, and an easy and time-saving processing and installation, the patio roof system heroal OR has been honoured with the German Design Award in the category „Excellent Product Design“ by the jury of the German Design Council, Germany’s leading authority on design and brands.

Patio roof system heroal OR SL with all-glass moveable wall system heroal S 20 C and horizontal blind heroal HS

## heroal HS

Horizontal blind for patio roofs and conservatories



As a horizontal blind for onglaze applications, heroal HS can be perfectly combined with the heroal OR outdoor roof system or the heroal C 50 WG conservatory system. The textile sun protection system provides effective protection against strong solar radiation. The minimal space required enables the subtle integration of the sun protection for every type of application. For maximum textile tension, in addition to the zip guide, heroal HS is stretched by a tensioning system to provide shade for a maximum width of 5 m.

### Versions and design

- » system compatible with the heroal OR outdoor roof system and the heroal C 50 WG conservatory system – can also be integrated retrospectively
- » installation in third-party systems is also possible
- » concealed attachment
- » integration in the intelligent building control system (Smart Building, Smart Home) via W-LAN or bus systems
- » use of exceptionally colourfast acrylic textiles as well as Soltis 92 textiles
- » modern styling thanks to the cubic construction
- » for wider patio roofs, horizontal blinds can be joined together as required
- » high-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

### System sizes and system features

- » max. element sizes: 5,000 mm wide, 5,300 mm high, max. area: 21 m<sup>2</sup> area
- » optimum box size: 165 mm
- » cubic box design: 90°
- » guide rail view: 55 mm
- » roof pitch: 0-45°
- » electronic, motorised drive
- » curtain can be controlled remotely, manually by a wall button or with an app
- » available as systemware and finished element (heroal Ready HS)

## heroal VS Z FME Contra GR 25

Vertical blind for patio roofs



The zip-guided heroal VS Z FME Contra GR 25 sun protection system can be fully integrated into the heroal OR or heroal CR patio roof systems as a vertical blind. It provides protection when the sun is low in the sky, protects against wind and weather as well as cool breezes on spring and autumn evenings. The heroal VS Z FME Contra GR 25 sun protection system provides outstanding weather protection thanks to the high wind load resistance. The vertical blind is installed in a flush-mounted panel box for a harmonious design. The heroal GR 25 guide rail disappears inconspicuously in the column of the patio roof system. Maximum spans of 6,000 mm wide and 3,000 mm high are possible without a centre column.

### Versions and design

- » system compatible with the heroal OR and heroal CR patio roof systems – can also be retrofitted
- » guide rails recessed in the column
- » obstacle detection can be installed, which stops the curtain if it encounters resistance
- » integration in the intelligent building control system (Smart Building, Smart Home) via W-LAN or bus systems
- » wide range of colours, coordinated to heroal HS
- » high-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

### System sizes and system features

- » max. element sizes: 6,000 mm wide, 3,000 mm high, max. 18 m<sup>2</sup> area
- » optimum box size: 125 mm
- » cubic box design: 90°
- » wind-resistant up to 38 km/h (depending on the place of installation and element size)
- » max. span without centre column of up to 6 m
- » electronic, motorised drive
- » curtain can be controlled remotely, manually by a wall button or with an app
- » available as systemware, textile assembly or prefabricated kit (heroal VS Z FME Contra GR 25)



Patio roof system heroal OR GL with all-glass moveable wall system heroal S 20 C and horizontal blind heroal HS

## heroal OR GL

### Patio roofs for restaurants and hotels

As soon as the days grow longer and the temperatures get warmer, life takes place outdoors – also in cafés and restaurants. That means outside seating areas are an important factor of success. Patio roofs by heroal are ideally suited to be used for hotels and restaurants. Even extreme span widths of 7 metres can be created without a centre support or steel reinforcement. Thus, the patio roof provides for unobstructed panoramic views and

maximum use of space for restaurants, patios, lounges, bar, beer gardens or event locations. Providing the outside seating area with a roof creates weather-independent space and extends the outdoor season. Versatile accessory components do not only protect the patio roof against wind and rain, they also provide effective protection against direct sun radiation and heat.



Patio roof system heroal OR SL with horizontal blind heroal HS and vertical blind heroal VS Z FME Contra GR 25

## heroal OR SL

### Patio roofs for private use

Especially for private fields of application, patio roofs become more and more popular. With heroal OR SL, slim patio roofs can be realized, embody lightness and modernity and create an inviting outdoor space for the developers. Being able to use the patio and garden year-round, regardless of the weather, extends the

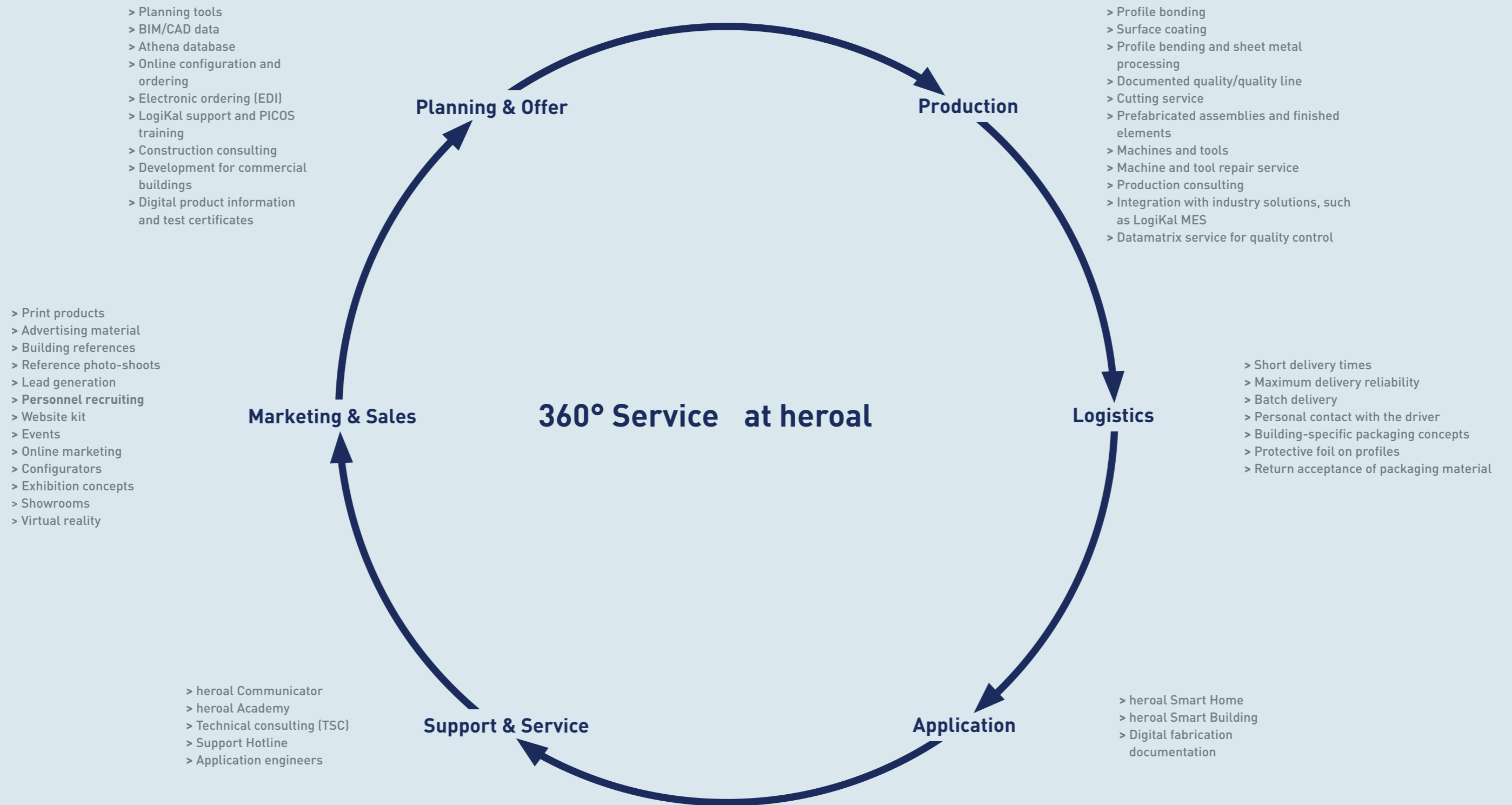
living-room and also improves the quality of life. A number of accessory options, like sun protection and protection against prying eyes or all-glass moveable walls and fixed glazings, enable you to continuously extend the uses of your patio roof for your home.

# 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

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