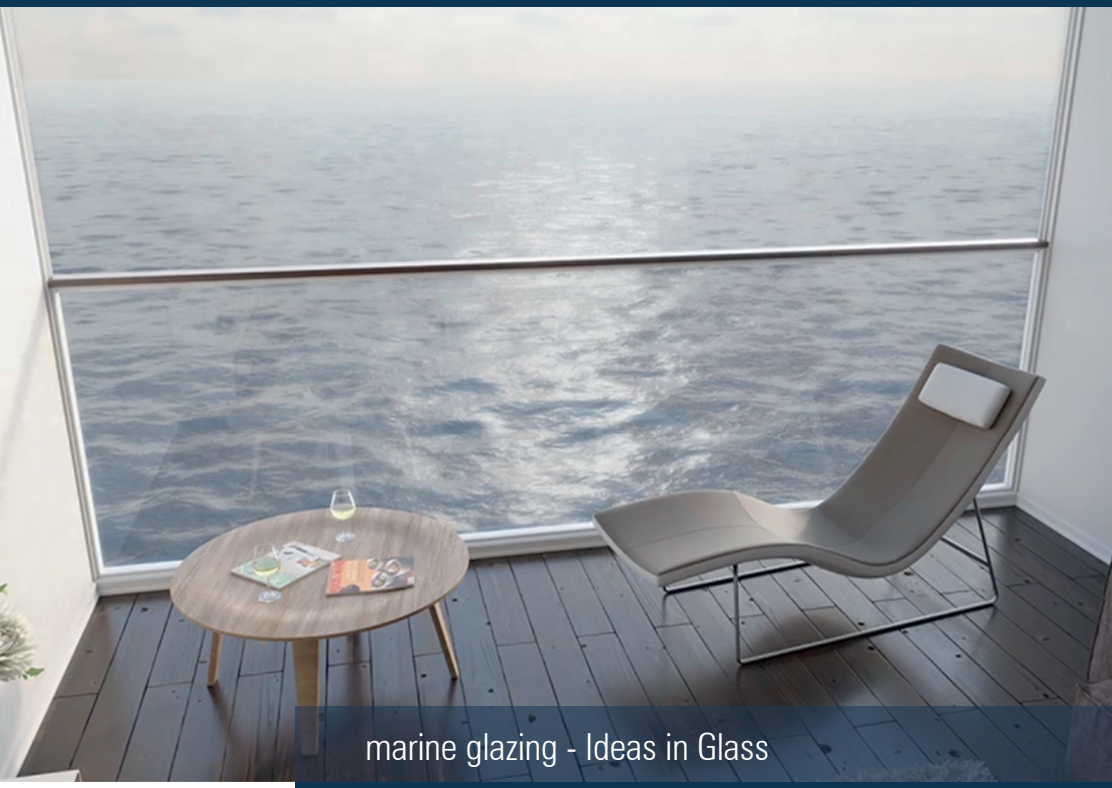


marine glazing - Ideas in Glass

Loggia-Cabin Window System

Infinite-feeling for passengers

More spacious cabins - More appeal

marine glazing - Ideas in Glass®





Conventional balcony cabin



Extended cabin area



One level window surface

LOGGIA-CABIN WINDOW SYSTEM

In a conventional balcony cabin, the outdoor area can only be used in good weather conditions and at comfortable temperatures. The balcony is only available for the exterior area and limits privacy to the sides.

Therefore Brombach+Gess has developed the idea that the former balcony area becomes a permanent part of the cabin and can be used, in its entirety, while maintaining privacy.

This avoids the view and noise to the neighbouring cabins.
The cabins can be fitted out with high quality furniture.
The concept combines the benefits of an open area with those of a large cabin.

MAIN BENEFITS

- New and Innovative Cabin Category
- Infinite-feeling - Walking right out to the water's edge
- With touch of a button the living space becomes the „Loggia"
- Protection from environmental influences without excluding from the environment

SPECIAL DRIVING CONCEPT

The new cabin type is delineated by a horizontally sectioned panoramic glass front. The upper movable pane can be lowered in front of the fixed lower pane by the passenger.

For opening the upper glass element moves outward and down in front of the lower element. Together with the movable handrail, located in front of the window, then forms a glazed balustrade. The result is a "loggia".

The movement of the handrail is spring loaded and it follows the movement of the upper glass panel.
During the closing procedure, the handrail is pushed back thru the movable frame and lowered down in order to enlarge the clear view area.

When closed, the two pane elements form a roomheight, even and sealed glass facade.

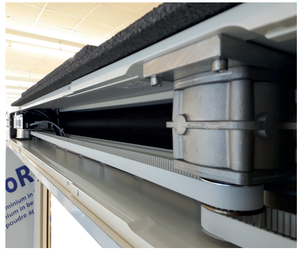
Experience this innovative concept by watching the short video clip!
(also available on our website)







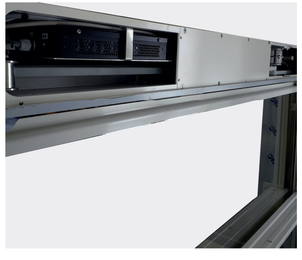




1 ELECTRIC BELT-SPINDLE DRIVE

- The belt spindle drive ensures a smooth and quiet window movement.
- The drive is powerful and enables a reliable window movement.





2 SERVICE HATCH

- For maintenance work easily reach the components of the window.
- A remote maintenance concept is available for service matters in the control system of the window.



3 SECURITY SENSOR

- A radar sensor monitors the opening area of the window to protect hands and fingers during the closing process.

BUS SYSTEM CONTROL

- There is a bus system control available, which shows the status and operation of all windows.
- In case of black out, the open window can be closed manually by the crew.
- This remote control could be integrated in the bridge, for example.



WINDOW OPERATION

- Window and flynet/blind can be operated through the passenger by push buttons located at the switchboard panel close to the window.
- In the end position the window stops automatically. The passenger can stop the window at any time by pressing the buttons.
- If the window is open, the air condition for the cabin shuts down and turns on when the window is closed.

4 OPTIONAL EQUIPMENT - FLYNET AND/OR BLIND

- Flynet and/or blind can be integrated in the window system.
- Flynet and blind movement is independent of the movement or position of the window.



5 MOVEABLE HANDRAIL

- It serves as a handrail when the window is closed and as a balustrade top at the open window.
- When the window is open, the handrail covers the gap between the upper glass element in front of the lower glass element.
- The Handrail support profile is made of aluminium with a customized teak wood profile.

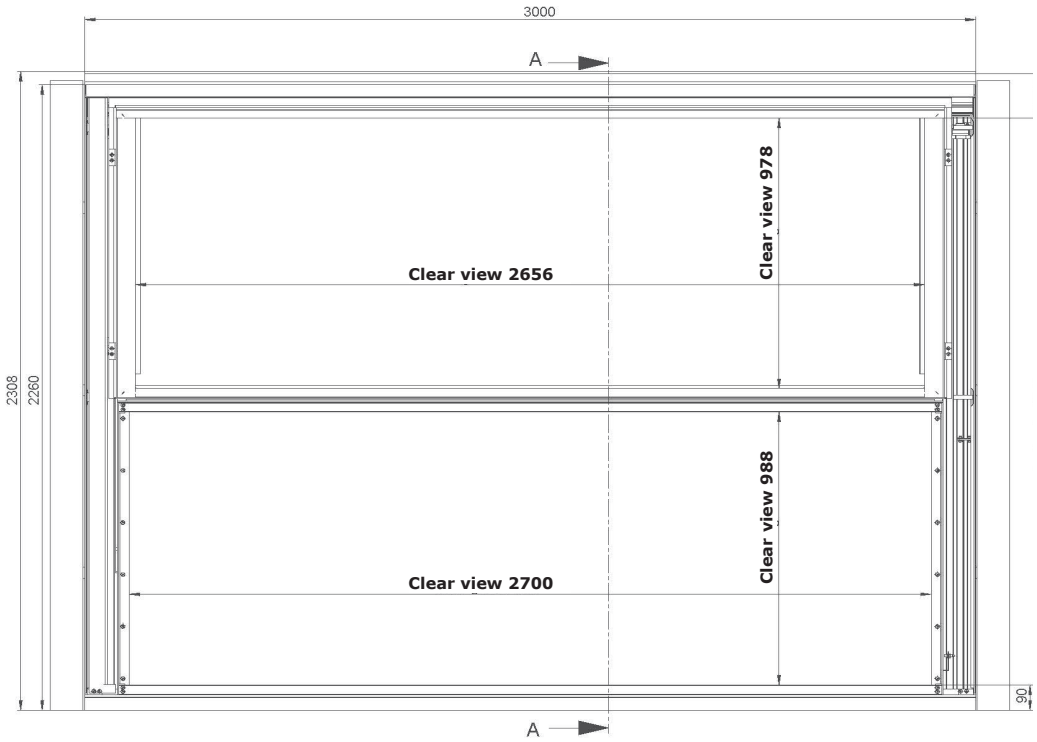


6 WINDOW CLEANING

- The upper window can be fold out to reach the lower window for cleaning.









MAXIMUM WINDOW DATA

Width	3000mm
Length	2300mm
Weight	580kg

MATERIAL

Framework	Anodized and powder coated aluminium
Mechanical and moving parts	Stainless steel
Bearing drive nut and fairings	Maintenance-free plastic

AVERAGE NOISE LEVEL

60 decibels

DESIGN LOAD

2,5 kN (for max. window size)

GLASS VALUES

(according to customer wishes)

Light-transmittance t_v (%)
Thermal properties U-value [W/(m²K)]
Solar energy / Solar factor g-value (%)

TURN-KEY DELIVERY

Window as self supporting element with all components will be delivered and fixed on board

INSTALLATION

Screwed and sealed against the surrounding structures

ENVIRONMENTAL RESISTANCE

Weather resistance with complete locking system

marine glazing
Brombach + Gess GmbH & Co. KG
Obere Talstraße 5
72172 Sulz am Neckar
Germany

Phone +49 (0) 7454 8704 - 300
Fax +49 (0) 7454 8704 - 314
Email info@brombach-gess.de
Web www.brombach-gess.de