



**SOLARGLIDE**  
MARINE BLINDS & WINDOW COVERINGS



# PANTOGRAPH SHIP WINDSCREEN WIPERS

ELECTRIC AND PNEUMATIC PANTOGRAPH  
WINDOW WIPERS FOR SHIPS

## PANTOGRAPH SHIP WINDSCREEN WIPERS

### Electric and Pneumatic Pantograph Window Wipers for Ships.

Solarglide offer a range of robust electric and pneumatic **PANTOGRAPH Ship windscreen Wipers** are available for, cruiseliners, ferries, cranes, and oil rigs.

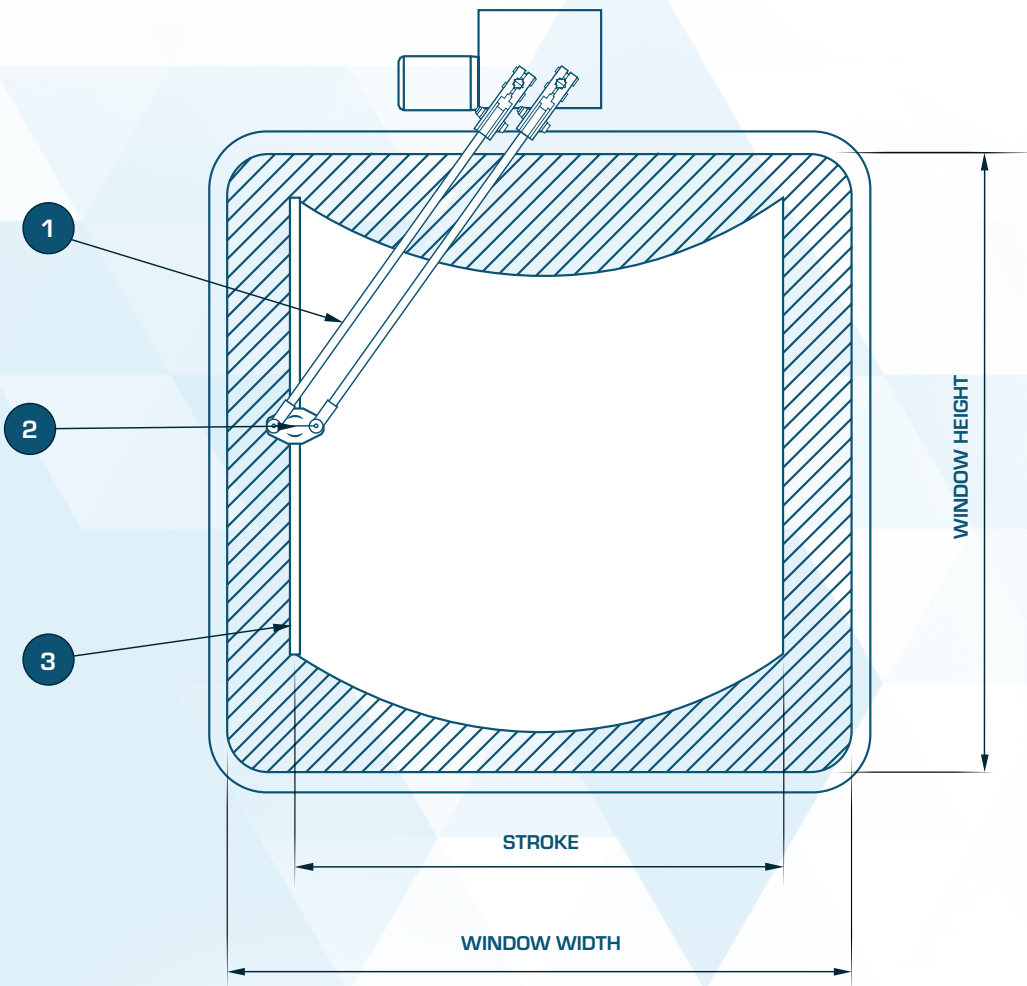
Keep crew and passengers safe by maintaining clear unhindered visibility in all weather conditions (PANTOGRAPH wipers are designed and tested to withstand the worst of ocean storms and bad weather during voyages). Manufactured using the highest quality marine grade materials, they can withstand even the harshest sea conditions. **Solarglide's fully integrated Pantagraph ship windscreen wiper systems** are developed specifically for the Maritime Industry and can be found on the wheelhouse of ships, cruise liners and ferries globally.

The PANTOGRAPH blades move in a sweeping 'fan' motion, like wipers you see on a family automobile, except on a much bigger scale and normally with many more windows to accommodate. **Solarglide PANTOGRAPH Ship Windscreen** wipers can be pivoted at the top of the window, at the bottom of the window, or both. The main purpose of the PANTOGRAPH window wiper is to clear large quantities of rain and wave water, quickly and effectively, so a high level of navigational visibility is always present onboard. In addition to the standard electric systems, Solarglide's PANTOGRAPH pneumatic systems are air driven and suitable for offshore safe areas where electric supply is not permitted (Specifically Hazardous zones 1 & 2)





# PANTOGRAPH MARINE WIPER SYSTEM



Components	
1	Wiper Arm
2	Wiper Blade Clip
3	Wiper Blade

# VESSEL TYPE



## COMMERCIAL AND MILITARY SHIPS

All commercial ships (including military vessels) require a robust marine window wiper system to ensure clear visibility during rough sea conditions or heavy storms. Without a reliable window wiper system, ships would lose essential visibility and would not be able to operate safely . Solarglide PANTOGRAPH window wiper systems for ships are extremely effective, they clear away large amounts of wave and rainwater in an arch motion. Controlled exclusively from the bridge area, PANTOGRAPH wipers are an essential navigation product for maintaining crew and vessel safety during continuous commercial voyages.



## CRUISESHIP AND FERRIES

Cruiseliners and ferries have large, often deep, bridge windows with large glass surface areas. PANTOGRAPH wipers are a great choice for such windows due to the size of the blades and the wipe area they can reach. PANTOGRAPH wipers can be installed at both the top and the bottom of the windows for maximum wipe coverage when windows are over two metres in depth. These wiper blades can also be synchronised, so they wipe at the same time giving maximum visibility when needed.



## OIL RIGS AND OFFSHORE PLATFORMS

Safety onboard oil rigs and offshore platforms is paramount, and although these platforms are mostly stationary, it's still very important to always have clear unhindered viability. Pneumatic air driven wiper systems are the perfect choice for hazardous offshore environments where electric wiper systems are not permitted.



## OFFSHORE CRANES

Visibility is extremely important for crane operations as cabins are exposed to extreme changes in weather conditions. Aswell as good sun protection, a crane cabin also needs a robust and reliable window wiper system to allow daily operations to be carried out during wet and windy weather conditions. PANTOGRAPH window wipers can be added to the forward and side windows, and operated from inside the cabin, ensuring clear visibility for the operator.



# TECHNICAL DETAILS



## WHAT IS THE DIFFERENCE BETWEEN ELECTRIC AND PNEUMATIC SYSTEMS?

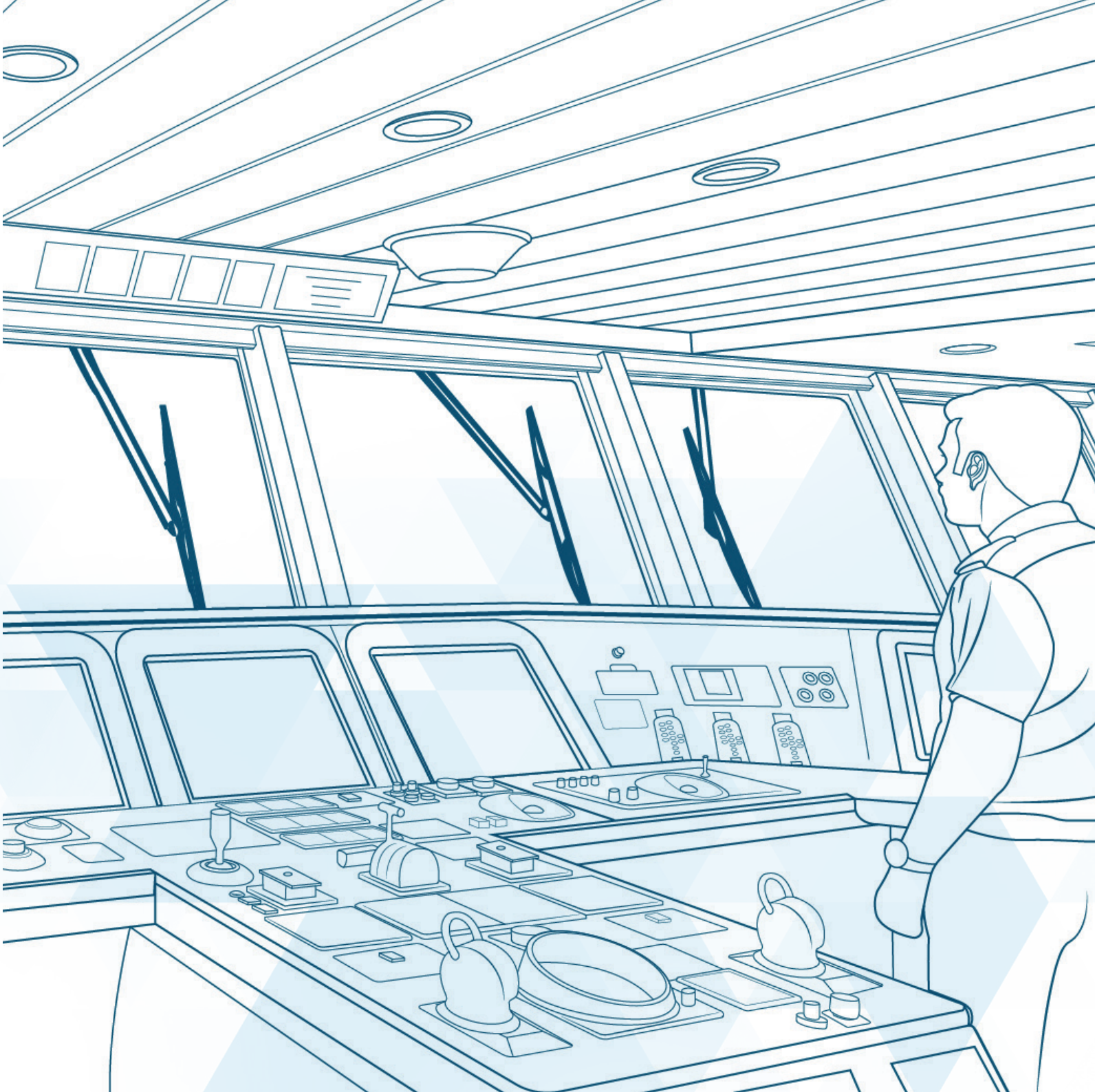
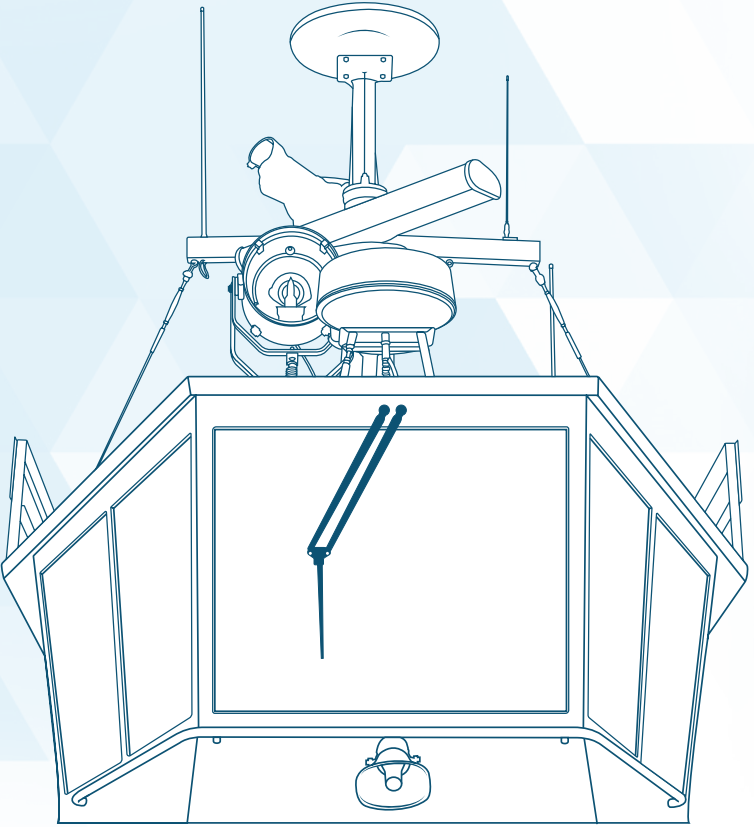
Electrically powered window wipers are operated using a motor and are integrated into the ship's electrical power supply. Pneumatic window wipers are driven by the ship's air supply and are used in hazardous area conditions where no electric power is allowed or available.



## SIZING OPTIONS

The number of blades needed depends on the size and width of the window. Some windows can have a single blade, others can have multiple blades. If the windows are extremely long in height, wipers can be positioned at both the top and the bottom of the window, if there is sufficient space available. The Solarglide team will advise you and offer recommendations to ensure you get the best solution for your vessel.

We also provide technical drawings and comprehensive installation and maintenance guides with every order, and type approval certificates are available upon request.





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