

# ADVANTAGES OF A SOLID SAIL SYSTEM



1) The 1st notable advantage is the tilting masts.

These masts tilt 70 degrees forward to reduce the air draft making it possible for the vessel to traverse below most bridges for example she now can have direct access to the Panama Canal, San Francisco, San Diego and many more notable harbours.

- 2) The 2nd advantage of the Solid Sail system is the automated setting and dropping of the sails.
- 3) The 3rd advantage is the boat can be pointed in any direction when raising or lowering of the sails.

The Solid Sail System has 360-degree rotating masts. The captain simply rotates the masts into the wind to perform the raising and lowering of the sails.

- 4) The 4th advantage is the Solid Sail material has a 20 plus year service life vs 4 to 5 years for traditional Dacron sails.
- 5) The 5th advantage is the free-standing masts are clean and free of yards and shrouds, thus making voyages into icing conditions much more practical and safer.

Introducing a de-icing system to these clean masts is very feasible.

The Solid Sail system has integrated load sensing technology that informs the captain how much to drive the sail rigs.

The main sail on each mast is comprised of semi rigid panels that are hinged together, the jib is a traditional Dacron sail that is automatically rolled in or out.

The Solid Sail system is significantly less expensive than other free-standing sail rig systems.

lifeboats that can be deployed in the worst of conditions.

Of note are the heated handrails and heated doors to minimize icing problems.

Aft of the bridge her design includes a spa with the hard retractable cover. The spacious fly bridge with a full command and control station has a large, shaded lounging area for up to six people.

Reference links

- <https://chantiers-atlantique.com/en/references/solid-sail-aeoldrive/>
- <https://www.thegoliathseries.com/>