

# Wind-powered cargo ship

A cargo ship partly powered by two massive steel and composite-glass “sails” has completed her maiden voyage. The prototype devices can cut fuel consumption and a ship’s carbon footprint

■ **Pyxis Ocean:** 73,447-tonne bulk carrier uses wind power to sail from Shanghai to Singapore

■ **WindWing Project:** Wind-assisted propulsion system cuts fuel use by roughly 20% on 3,800km journey

Each WindWing is 37.5m tall

■ **Wings:** Save 1.5 tonnes of heavy fuel oil per wing per day – \$1,200 per day. Wings fold away automatically with no need for additional crew

■ **Emissions:** Could cut vessel’s lifetime CO<sub>2</sub> emissions by 30%

