

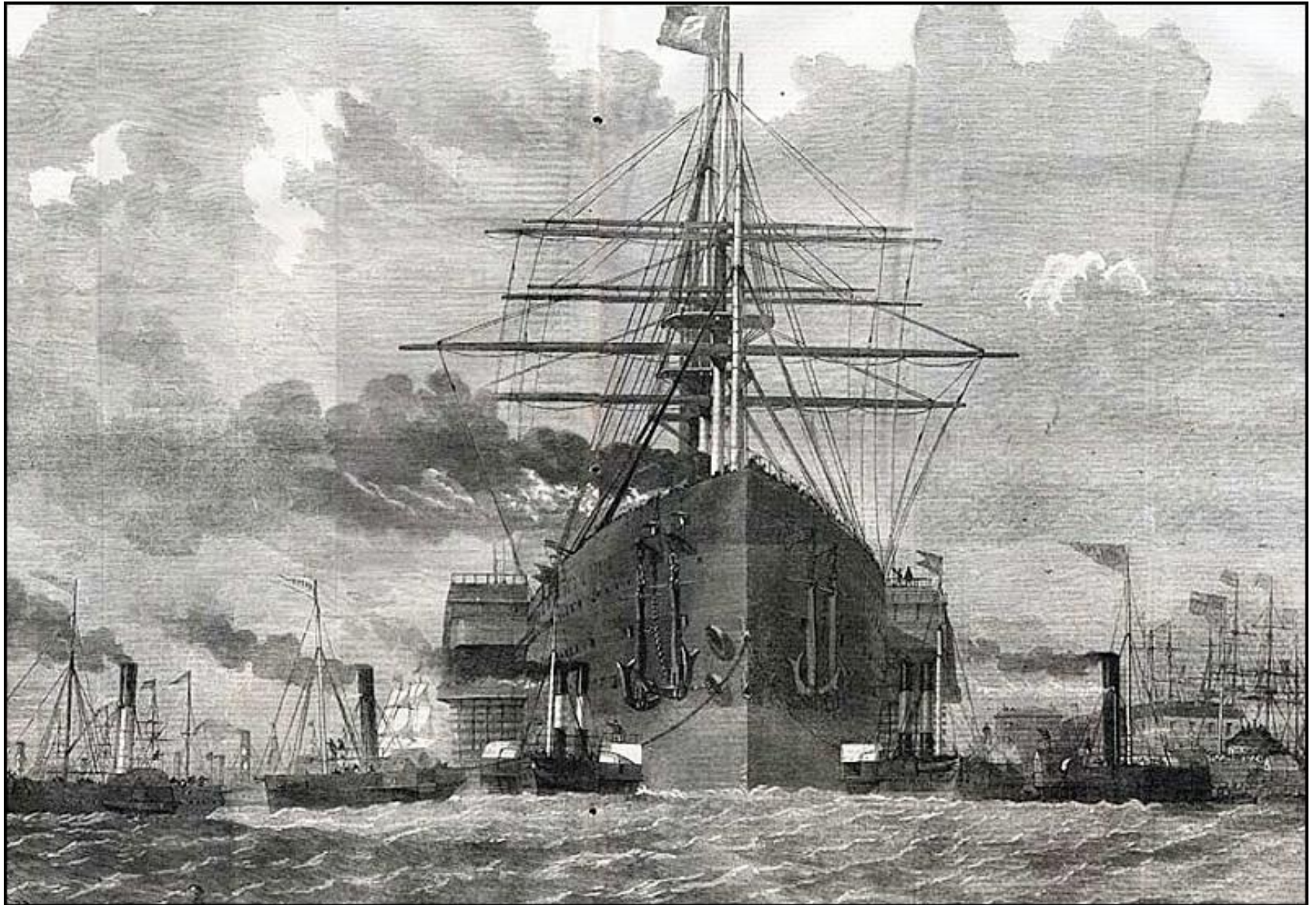
# Le transport maritime & fluvial

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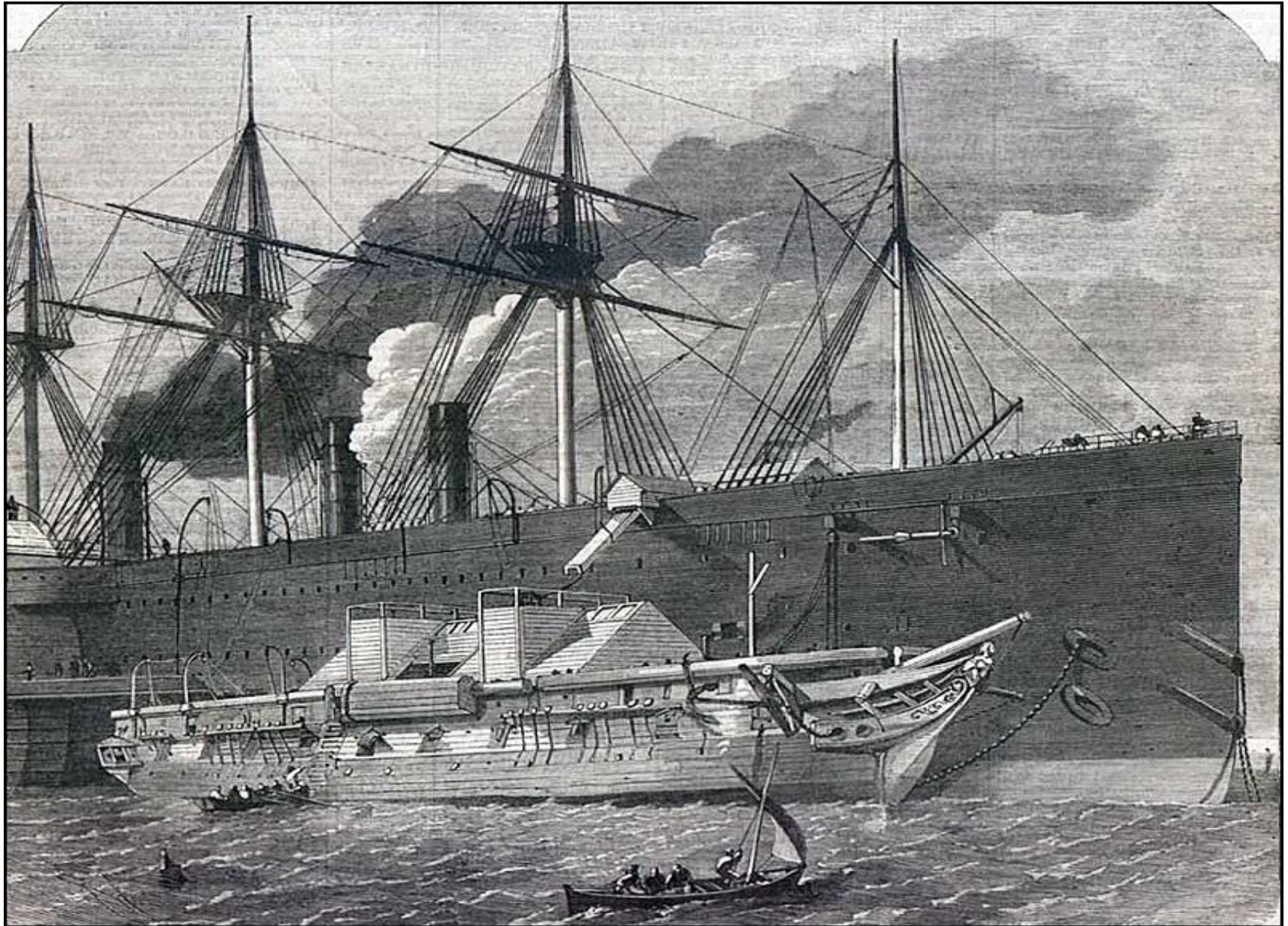
Lundi 19 mai 2014

# The Great Eastern - 1858





# Pose du cable transatlantique - 1866





# SkySails - l'éolien en mer



# HARNESSING THE WIND

## FUEL CONSUMPTION OF A FULLY LADEN 200-METRE SHIP

FUEL CONSUMPTION IN LITRES PER HOUR



## CROSS-SECTION



CAVITY INFLATED BY WIND

## PARAFOIL

Up to 5,000m<sup>2</sup> multi-cell kite. Its aerodynamic shape generates lift for greater pulling power.

Largest kites have towing power equivalent to 6,800hp engine.

Dynamic manoeuvres increase air flow over kite for exponential increase in power.



Control cords

## CONTROL POD

Automatically aligns kite – based on wind direction, force, ship route and speed – by pulling control cords.

## TOW ROPE

Low-weight, high-strength carbon fibre.

## SAILING DIRECTION

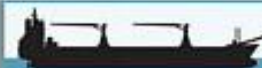
SkySail can be used to sail at up to 50° against wind.



## MAXIMUM POWER

Up to three times more efficient than fixed sails. Wind strength increases with altitude.

200m



WIND ENERGY



# Eoseas - STX



# Voiles - Capteurs solaires - Houle et Hydrogène

E-MAX ULTRA GREEN PURE CAR & TRUCK CARRIER



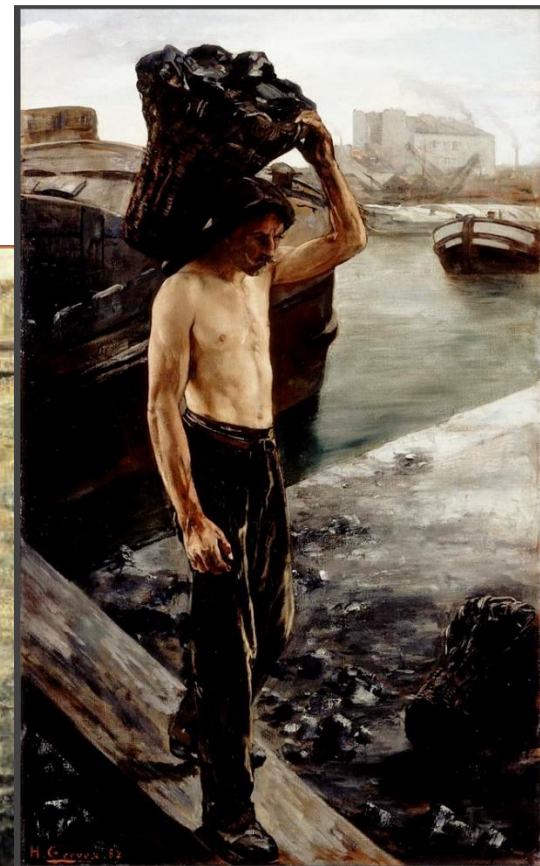


# Les splendeurs de la marine à voile





# Les déchargeurs de charbon Monet 1875





# Barge de 2500 tonnes







16 - La roue pelle vue du quai - (photo Jean-Philippe Lamotte - 2013)



# Sur le canal du Midi

