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Consumers: the people who pay for the energy transition



Emission free shipping: Consumer perspective



Emission free shipping: 21st century consumer perspective



World Wide Shipping Network





**This ship fits in the World Wide Shipping Network,
but it is one of few.**



**There is no additional value in
10% fuelsavings from a
consumers perspective.**

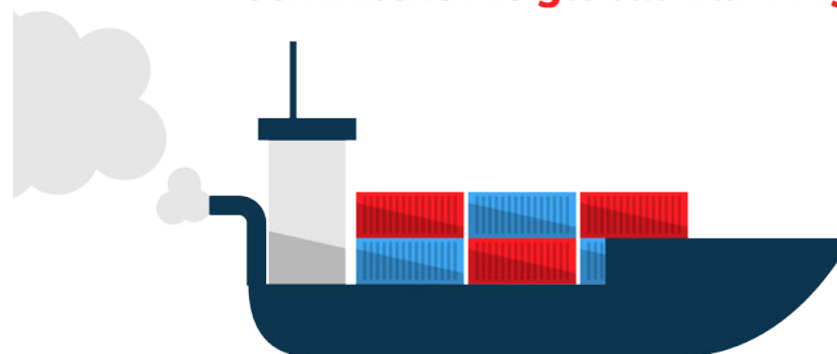
**10% good
=
90% bad**

NOT SEXY
No marketing value

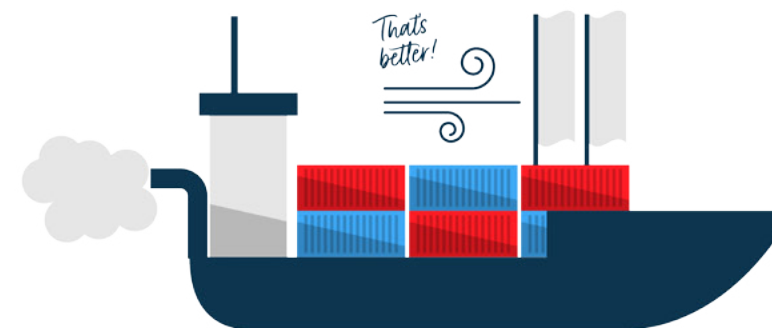
**Problem was already
solved**



Worldwide shipping is a major contributor to **global warming**



With a **WASP** system, a ship can reduce its fuel usage up to 20%



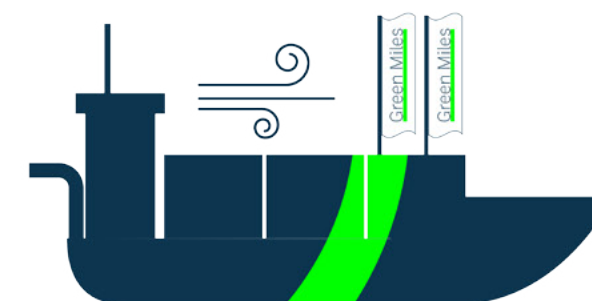
Concept

Our perspective on fuel savings



Total cargo uses
less fuel

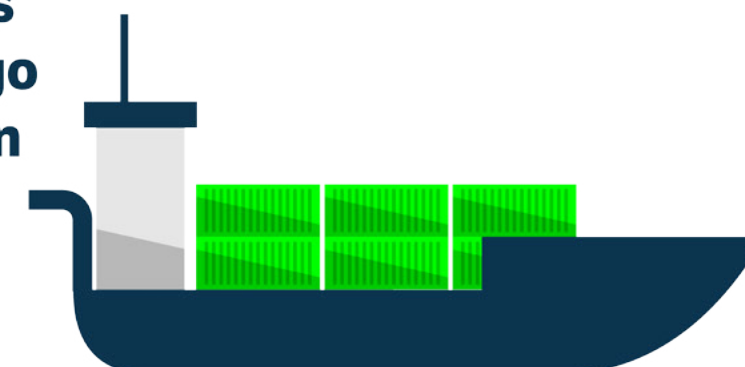
vs

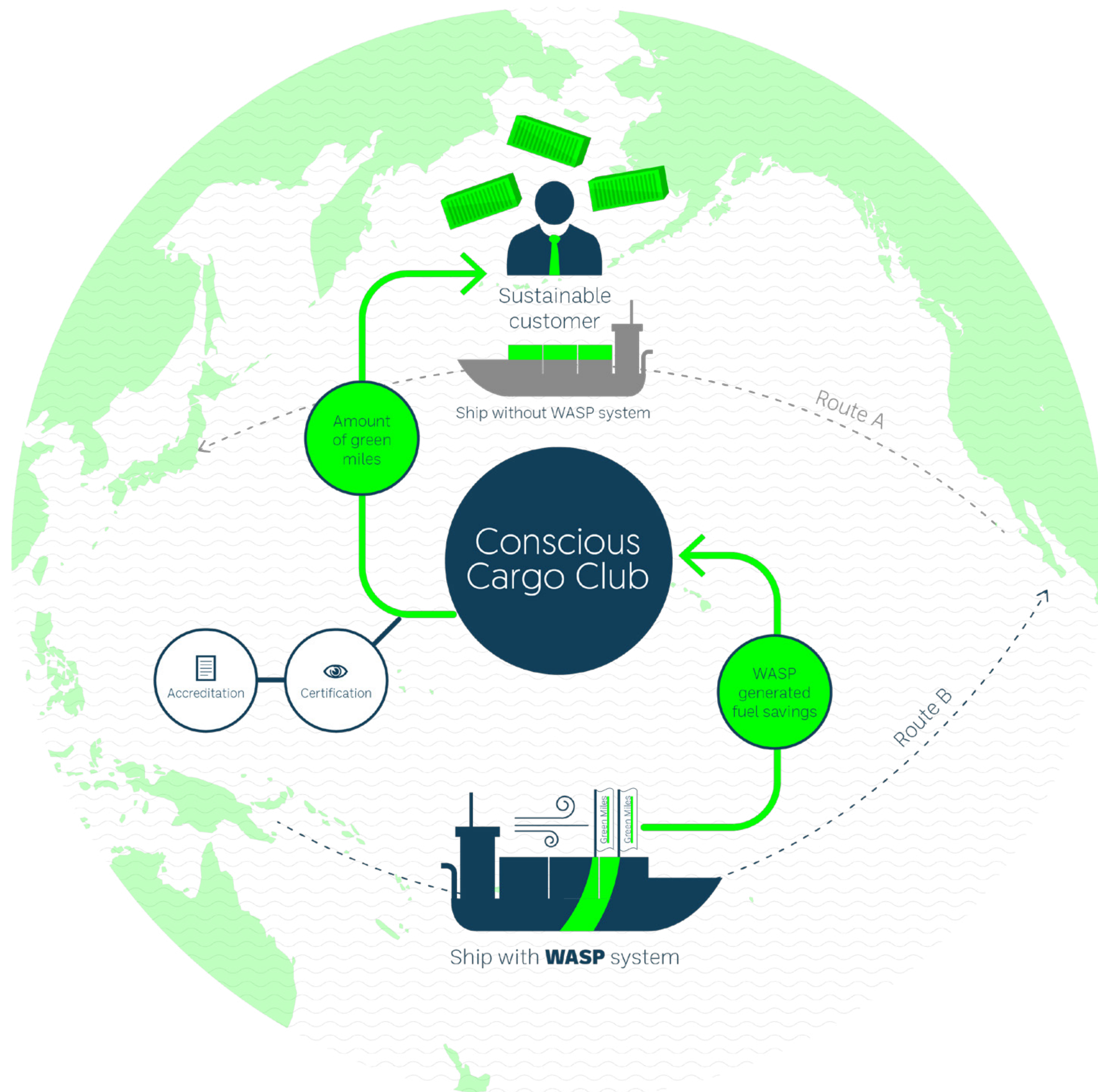


part of cargo is
100% emission free



Multiple ships
make any cargo
**100% emission
free**





Example

Client X wants to ship 16.000 ton of cargo, emission free, over a distance of 1500 Nm.

Therefore client X needs $16.000 \times 1.500 = 24.000.000$ emission free T/Nm.

Ship X has a WASP-system installed and sails 4000 ton cargo Y over a distance of 50.000 Nm.

Ship X WASP-system generates 10% fuel reduction.

Ship X ships 10% of cargo Y emission free.

Ship X produces: $4.000 \times 0,10 \times 50.000 = 20.000.000$ emission free T/Nm.

20.000.000 T/Nm can be bought at ship X by client X.

Additionally another ship has to be equiped with a WASP system to provide for the other 4.000.000 emission free T/Nm.

What is the True Price of shipping?

The price it would cost to transport cargo by a ship that is propelled by 100% renewable energy.

