



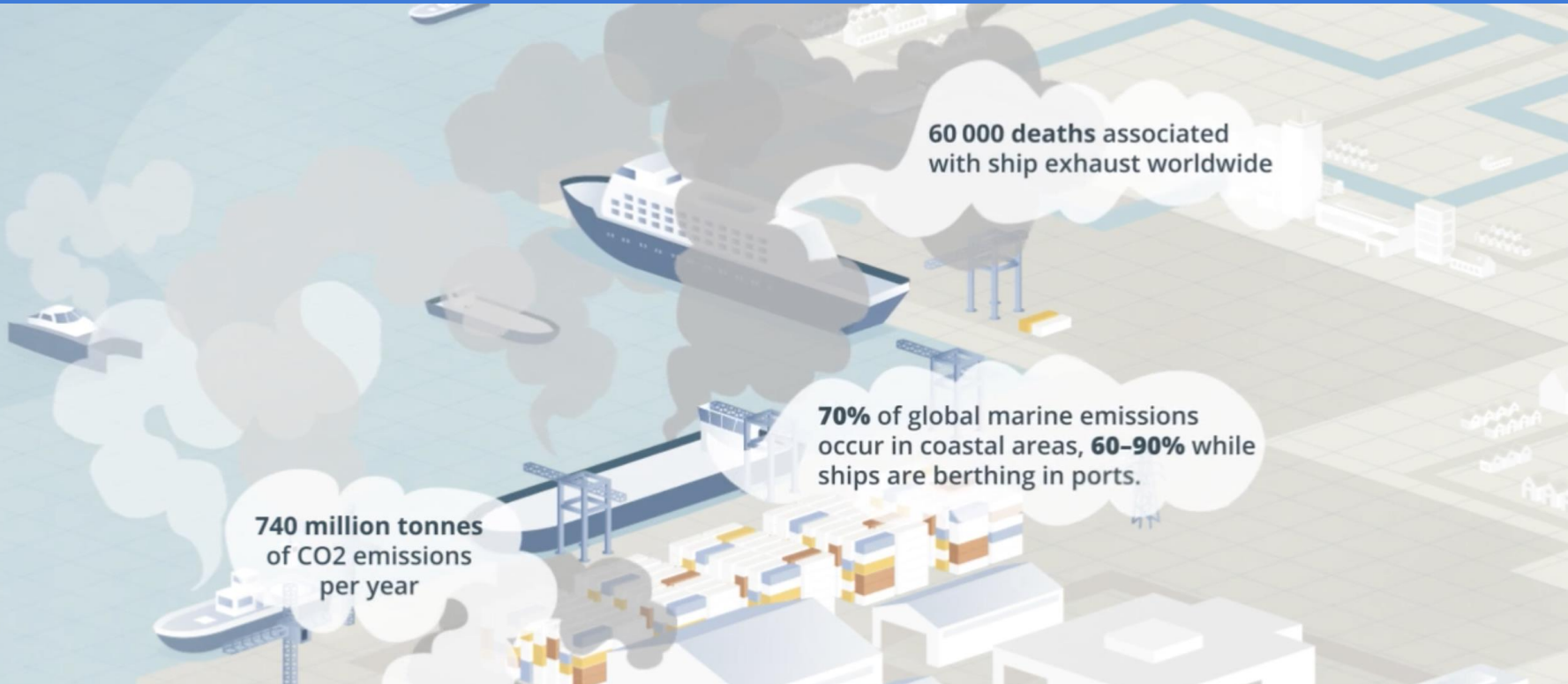
SHIFT

+ 2 CLEAN ENERGY

Clean Energy Solutions

PwrSwap | Pay-as-you-go energy ecosystem

+ Taking action on climate change



60 000 deaths associated with ship exhaust worldwide

70% of global marine emissions occur in coastal areas, **60–90%** while ships are berthing in ports.

740 million tonnes of CO₂ emissions per year

+ Energy Storage's Limitations Towards Decarbonization

Size & Weight
Range
Capital Investment





Pay-as-you-go energy ecosystem.

Shift brings together proven technologies and provides something no one else has.

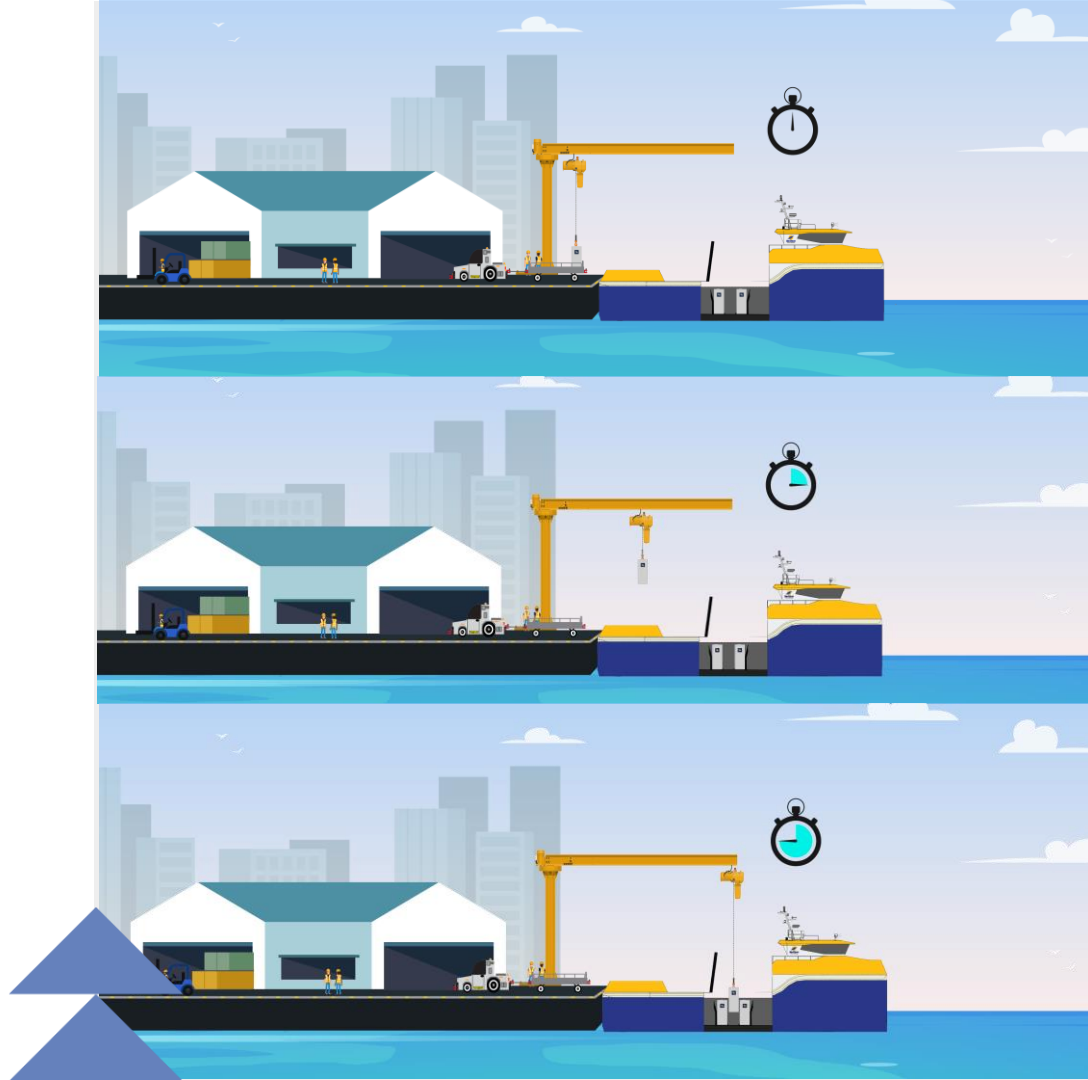
+ Pay for the energy used

A new energy ecosystem of interchangeable ESS “pods”



+ePod Swapping

Swapping
can be completed
multiple times over a
vessel's operating cycle.



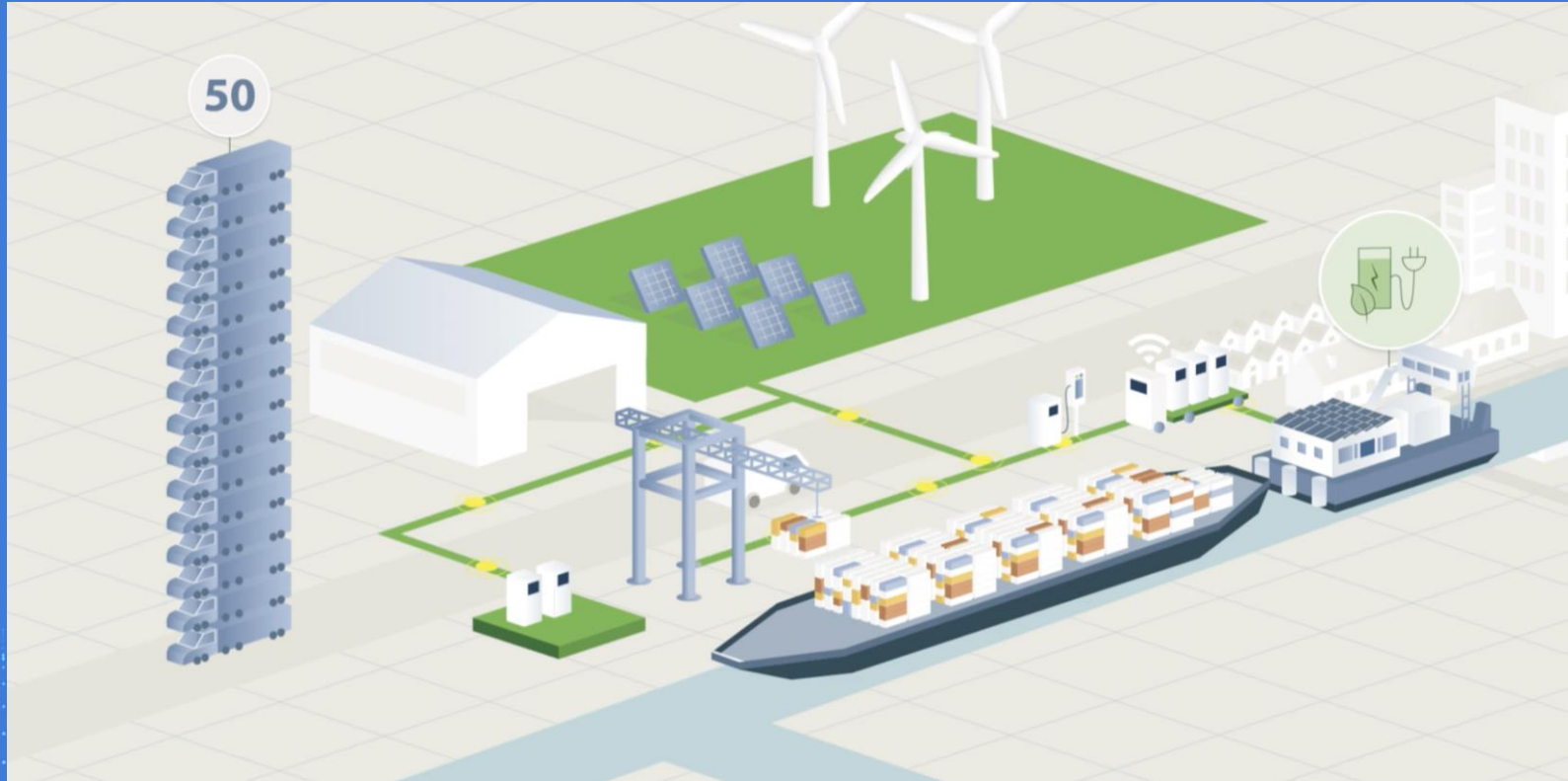
+Charging Time and Infrastructure



+ Port Eco System



+ Inland Waterway Electrification



+ Offshore Windfarm Electrification



+PwrSwäp saves money from day one

TRADITIONAL ONBOARD SYSTEM

SIZE
11MWh
+ Infrastructure

WEIGHT
24 ton 

COST
15M USD


CLASS APPROVED Yes | INCLUSIVE ALL SYSTEM Yes

TIME TO CHARGE
20-30 
minutes



CARTRIDGE BATTERY

SIZE
2.8MWh

WEIGHT
3 ton 

COST
\$28 USD/trip
operating cost

CLASS APPROVED Yes | INCLUSIVE ALL SYSTEM Yes

TIME TO SWAP
3:00 
minutes



+ OnWatch Software

All-in-one platform analyzes performance 24/7



+A practical solution that empowers customers to Shift 2 Clean Energy



Removes the risk & uncertainty of new technology and energy options



Removes high CAPEX required for electrification



Meets climate action goals today while providing ROI for the customer



+Thank You



Brent Perry
CEO

bperry@shift-cleanenergy.com





+ 2 CLEAN ENERGY

SHIFT

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