

Reducing costs on installation and maintenance



ITU Workshop

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Geoffroy de Dinechin – FT Marine



Summary

1

Reducing costs on installation and maintenance

2

Reducing costs for mob/demob

3

Reducing costs for shore-ends

4

Reducing costs for protection

5

Reduction from re-use

6

Reduction by engineering

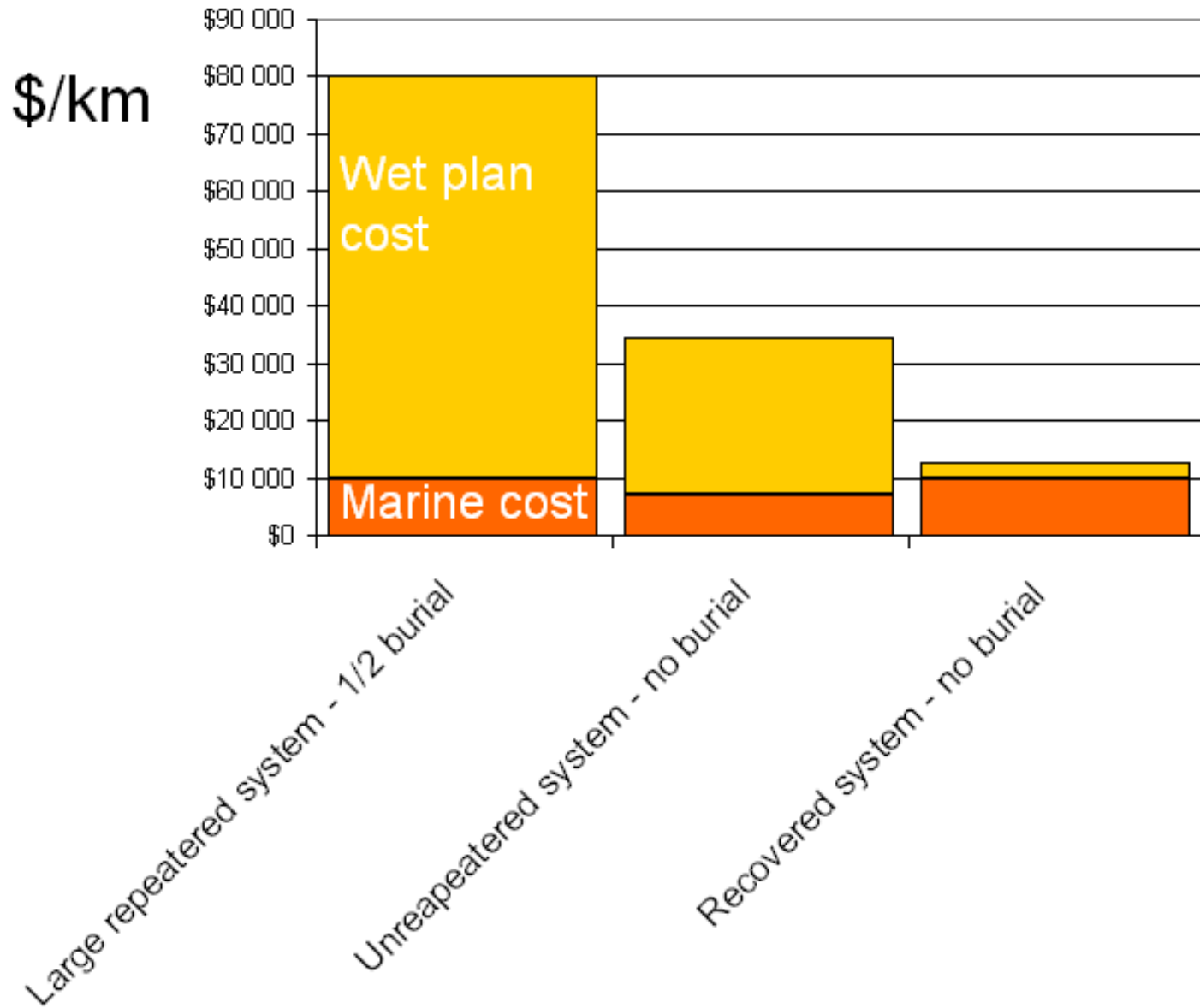
7

Conclusion

1/

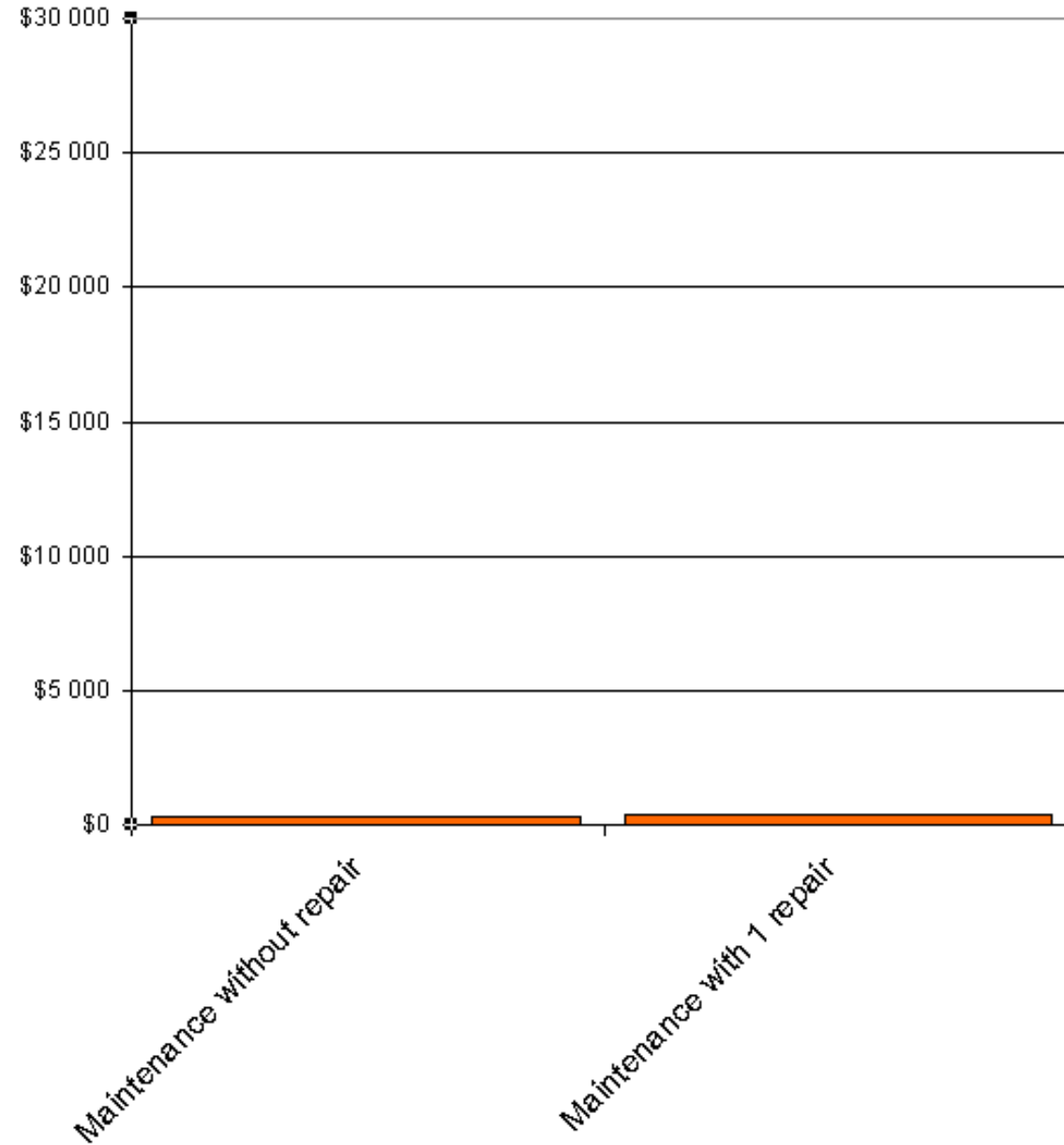
Reducing costs on installation and maintenance

The share of installation costs



The marine maintenance costs

\$/km/year

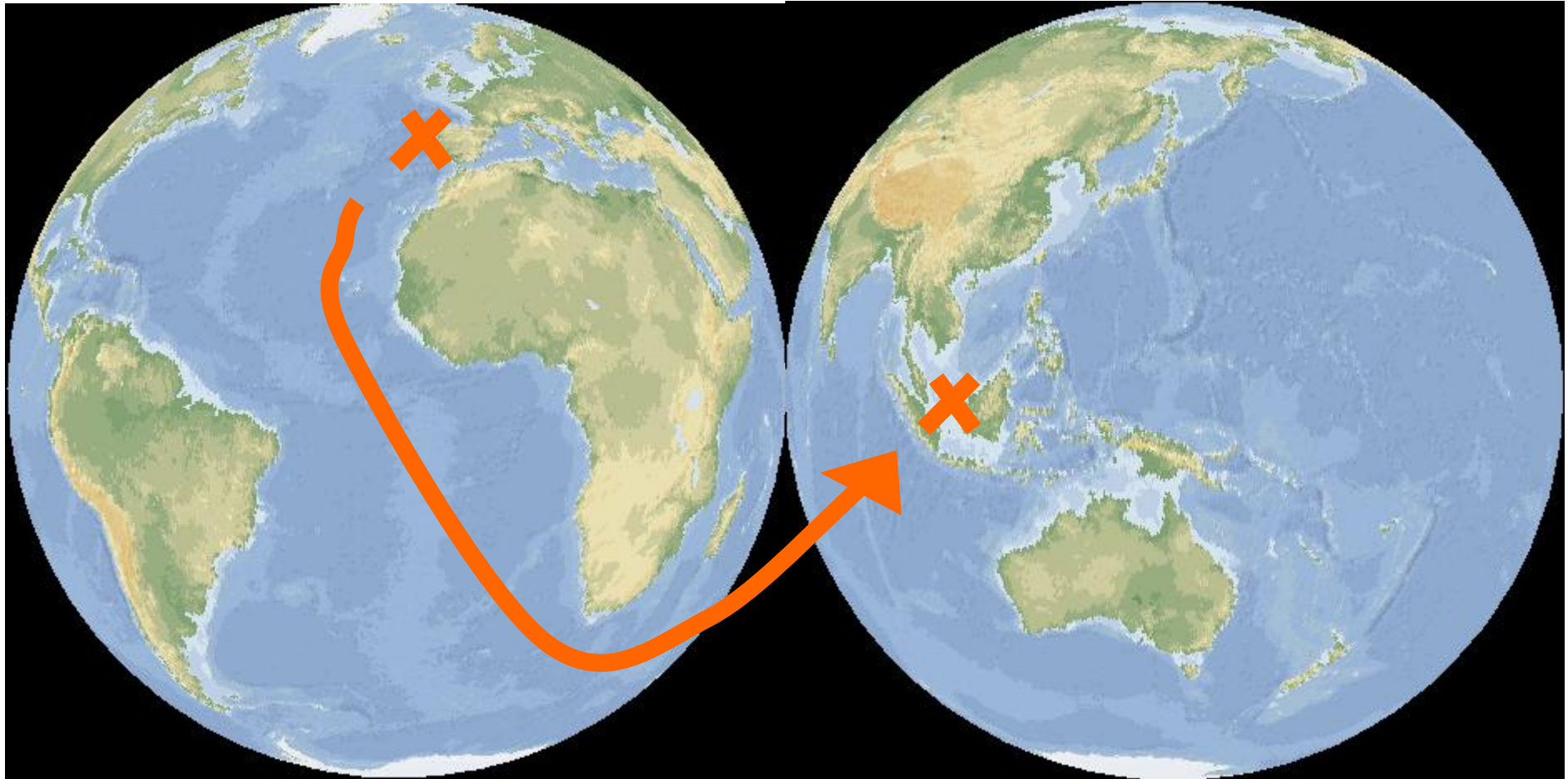


2/ Reducing costs for mob/demob

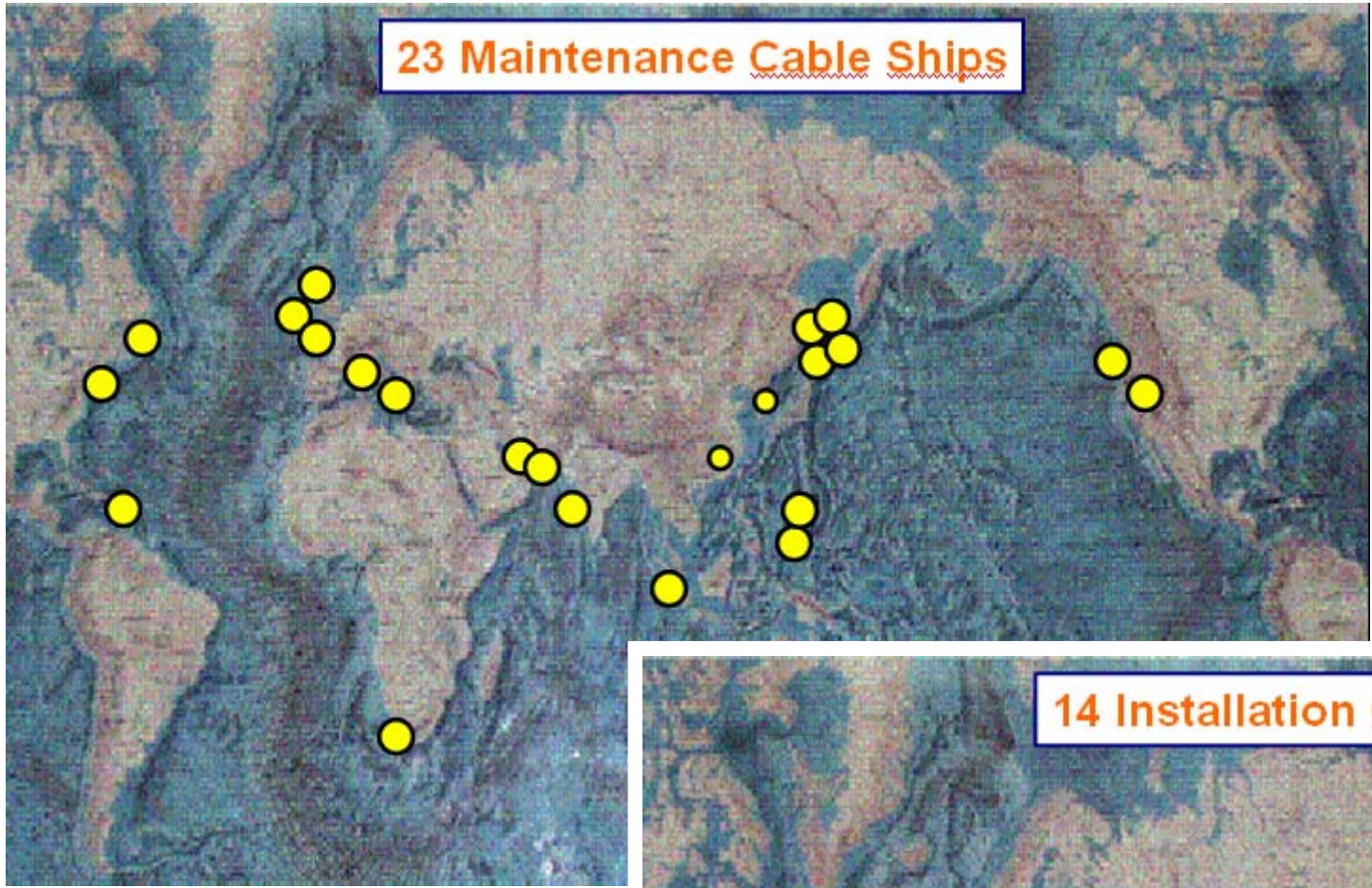
Expensive mobilization



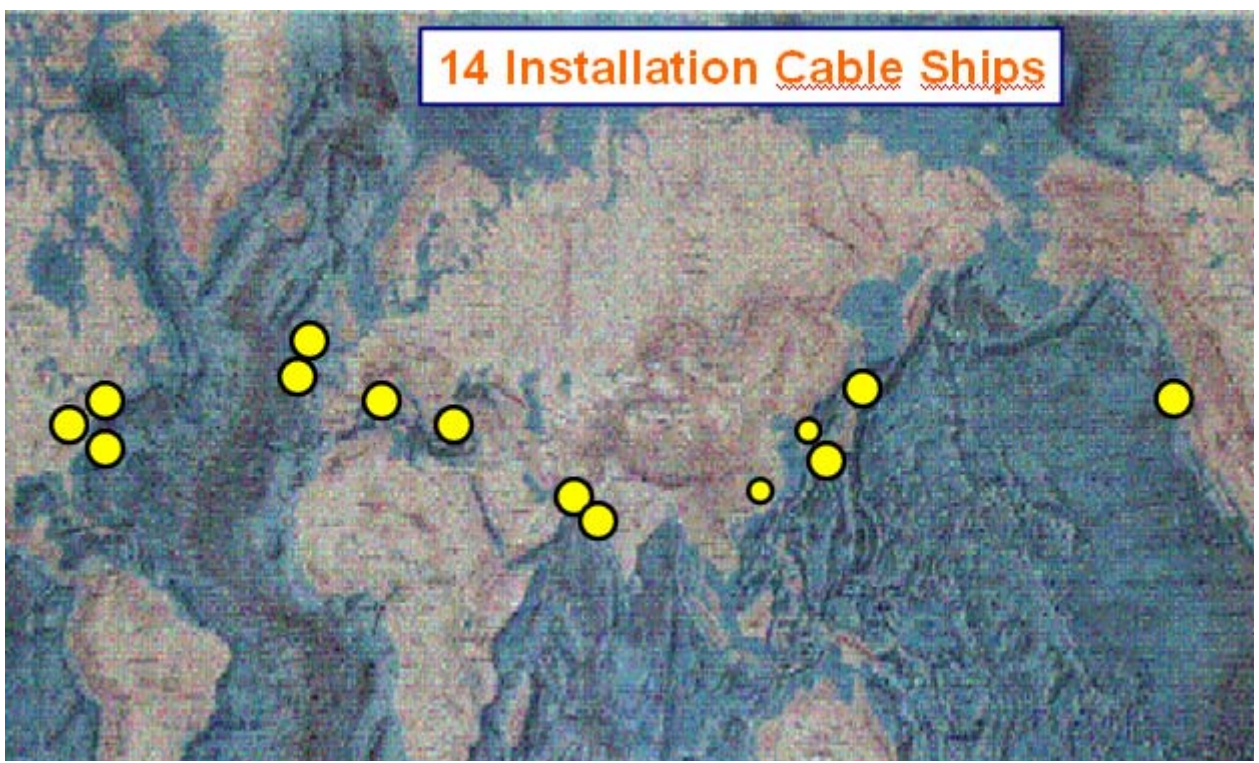
Expensive mobilization for cables ships



23 Maintenance Cable Ships



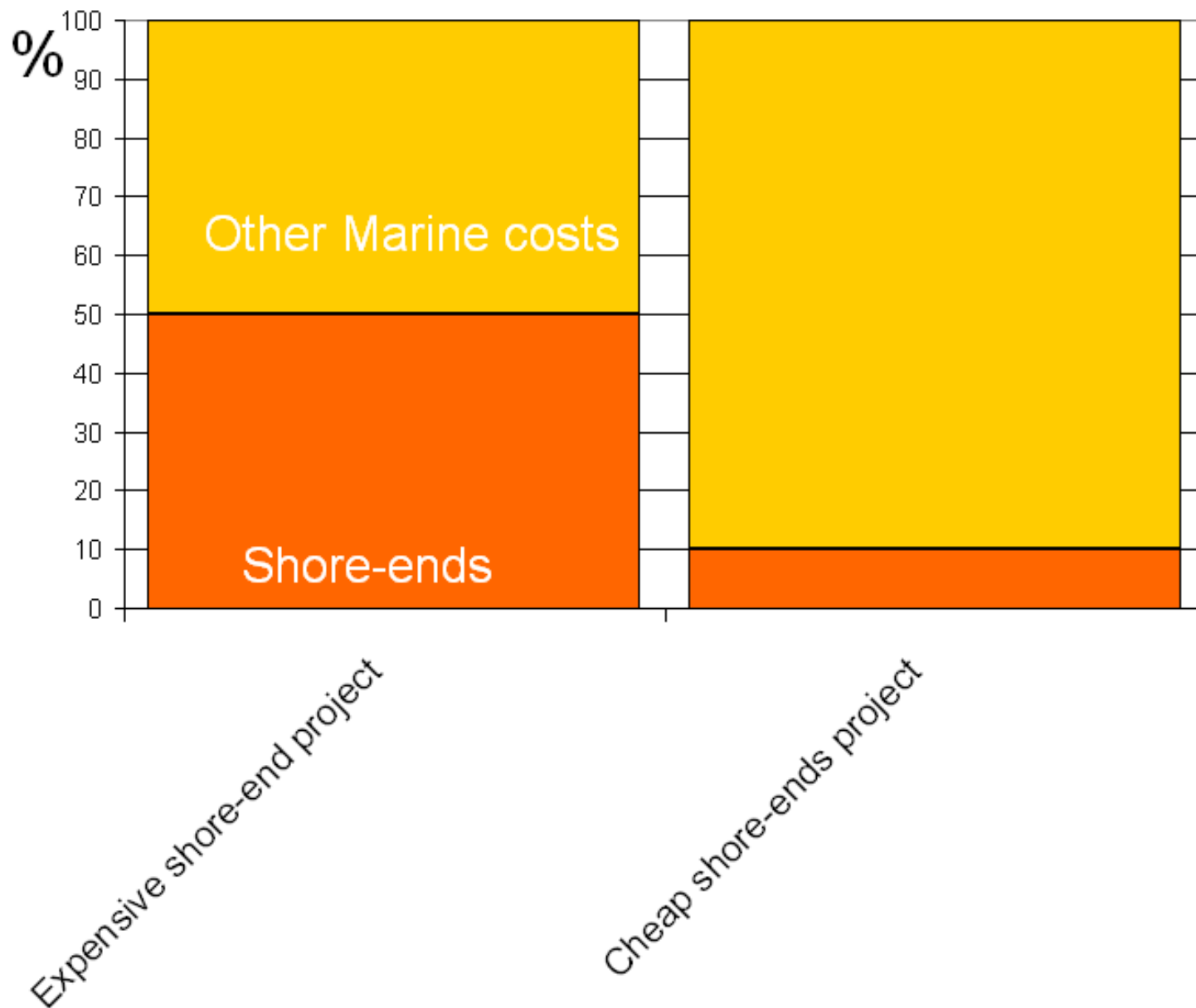
14 Installation Cable Ships



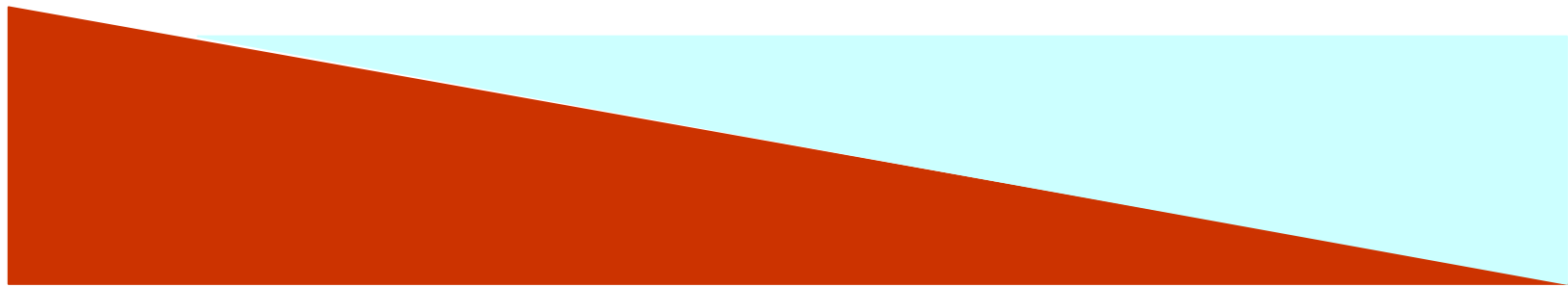
Take advantage
of vessel's
position

3/ Reducing costs for shore-ends

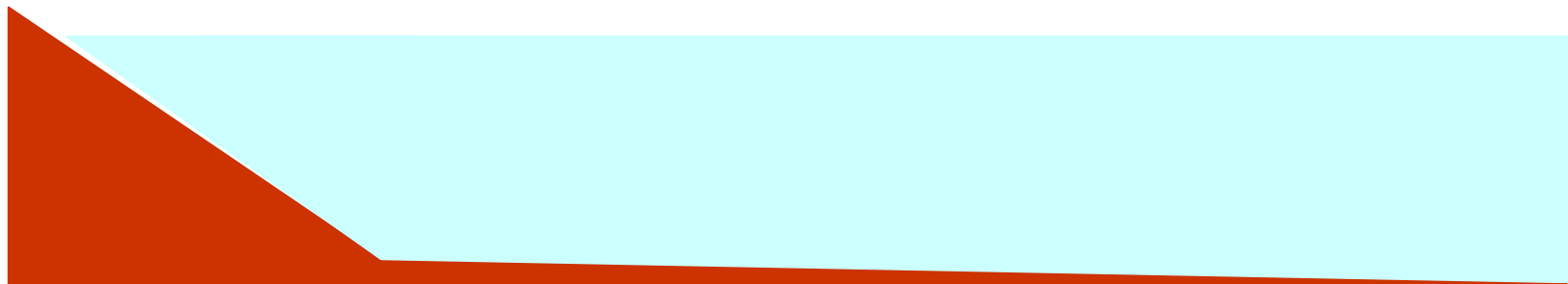
The share of shore-end costs



Costs for shore-ends

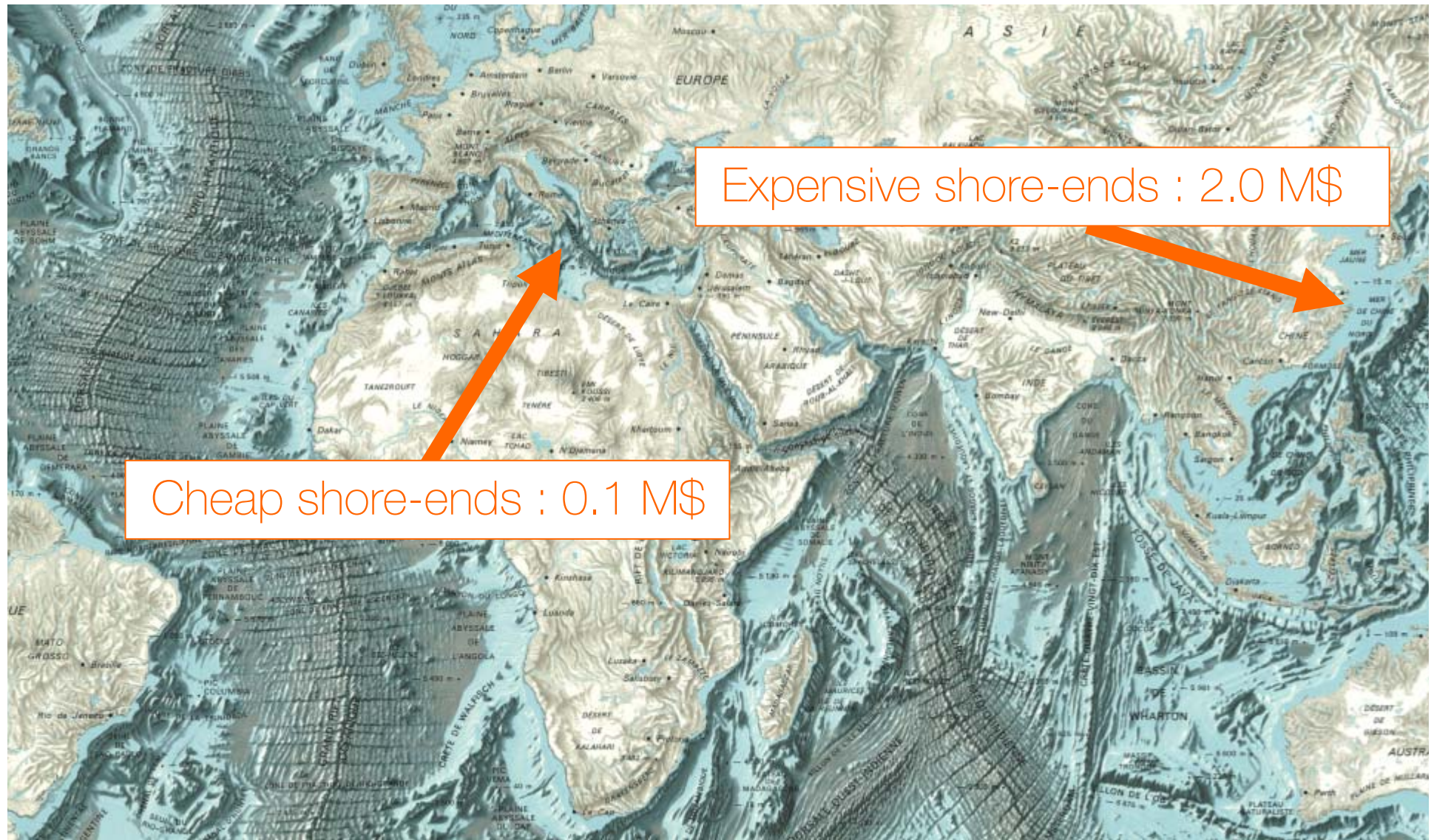


Expensive shore-ends



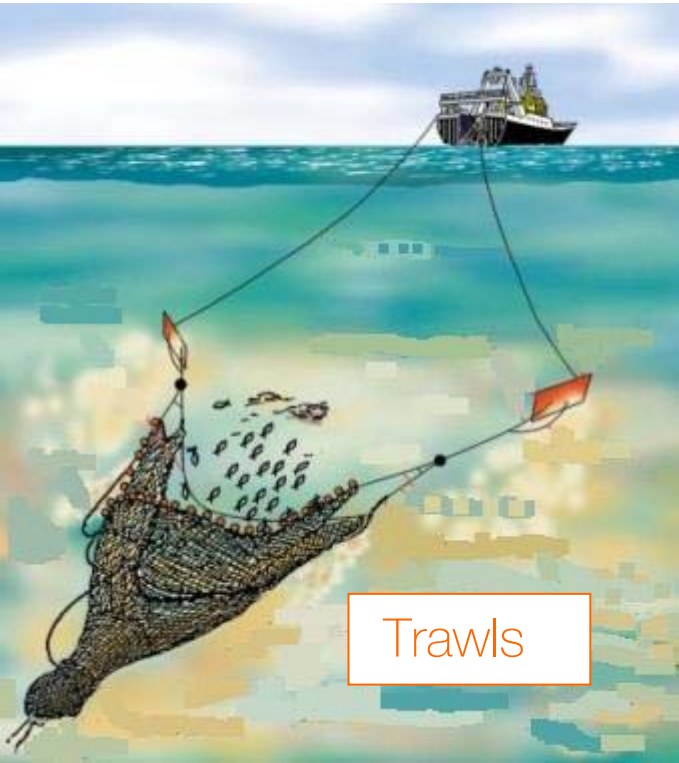
Cheap shore-ends

Costs for shore-ends



4/ Reducing costs for protections

Protection for what risks ?

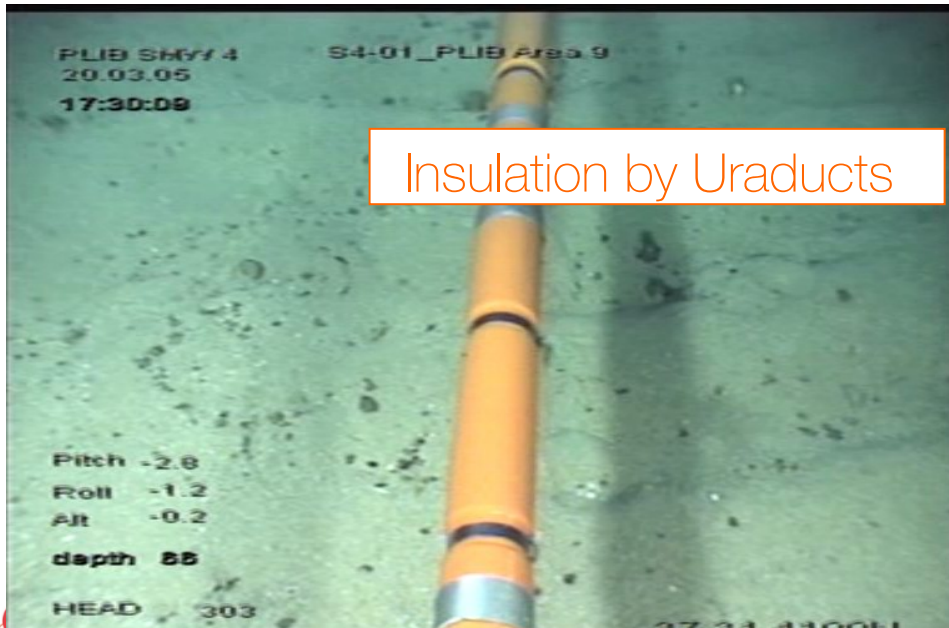
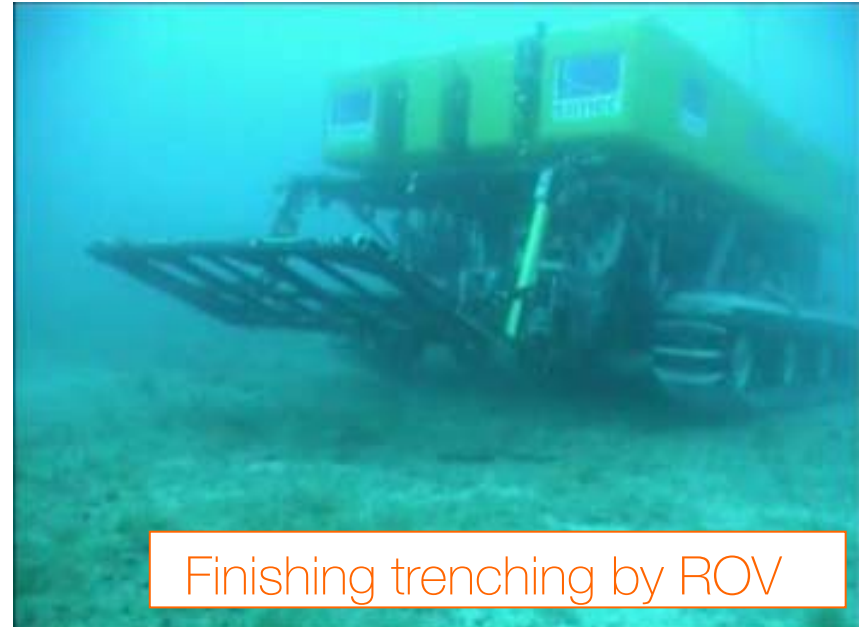


Trawls

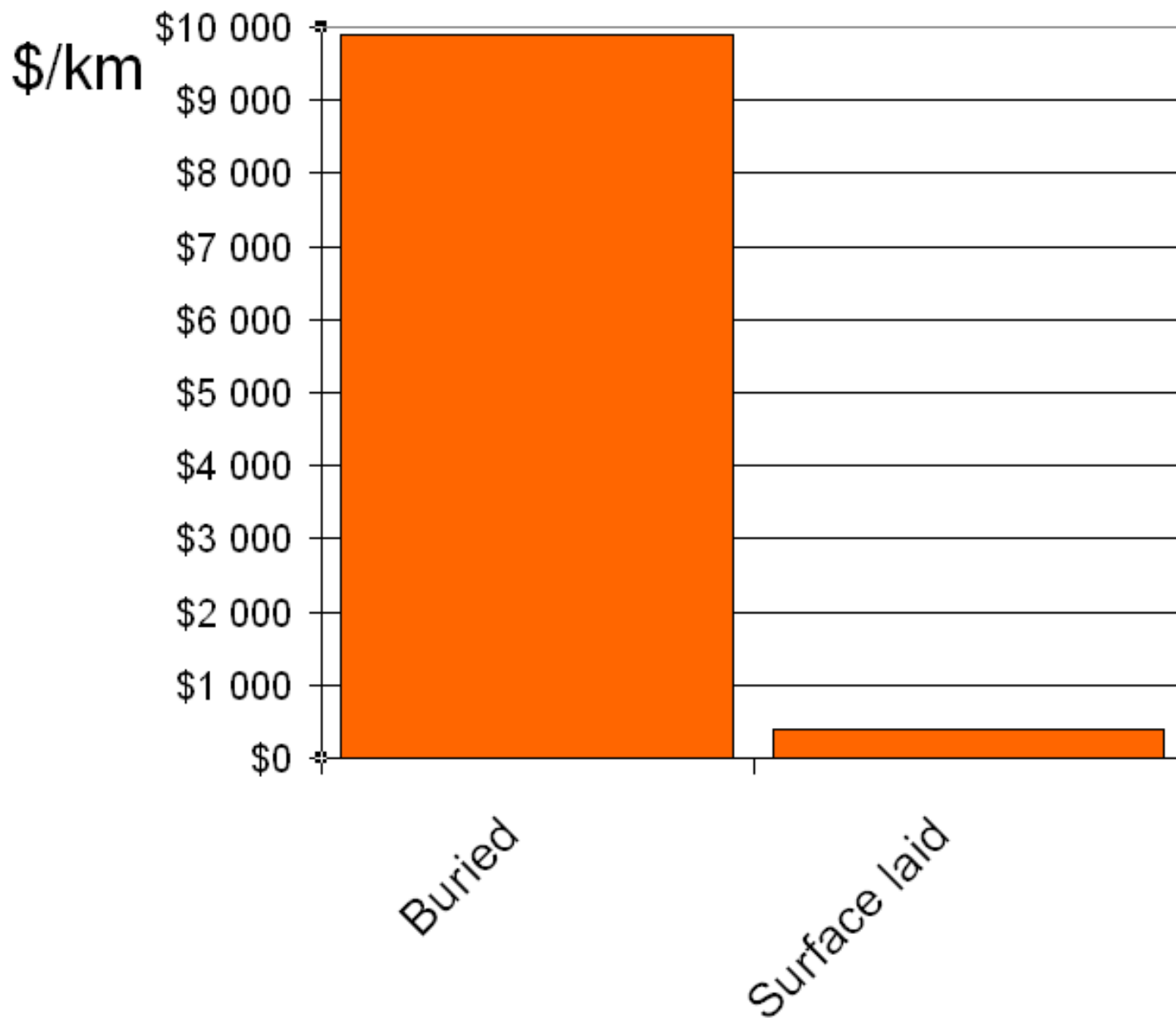


Anchors

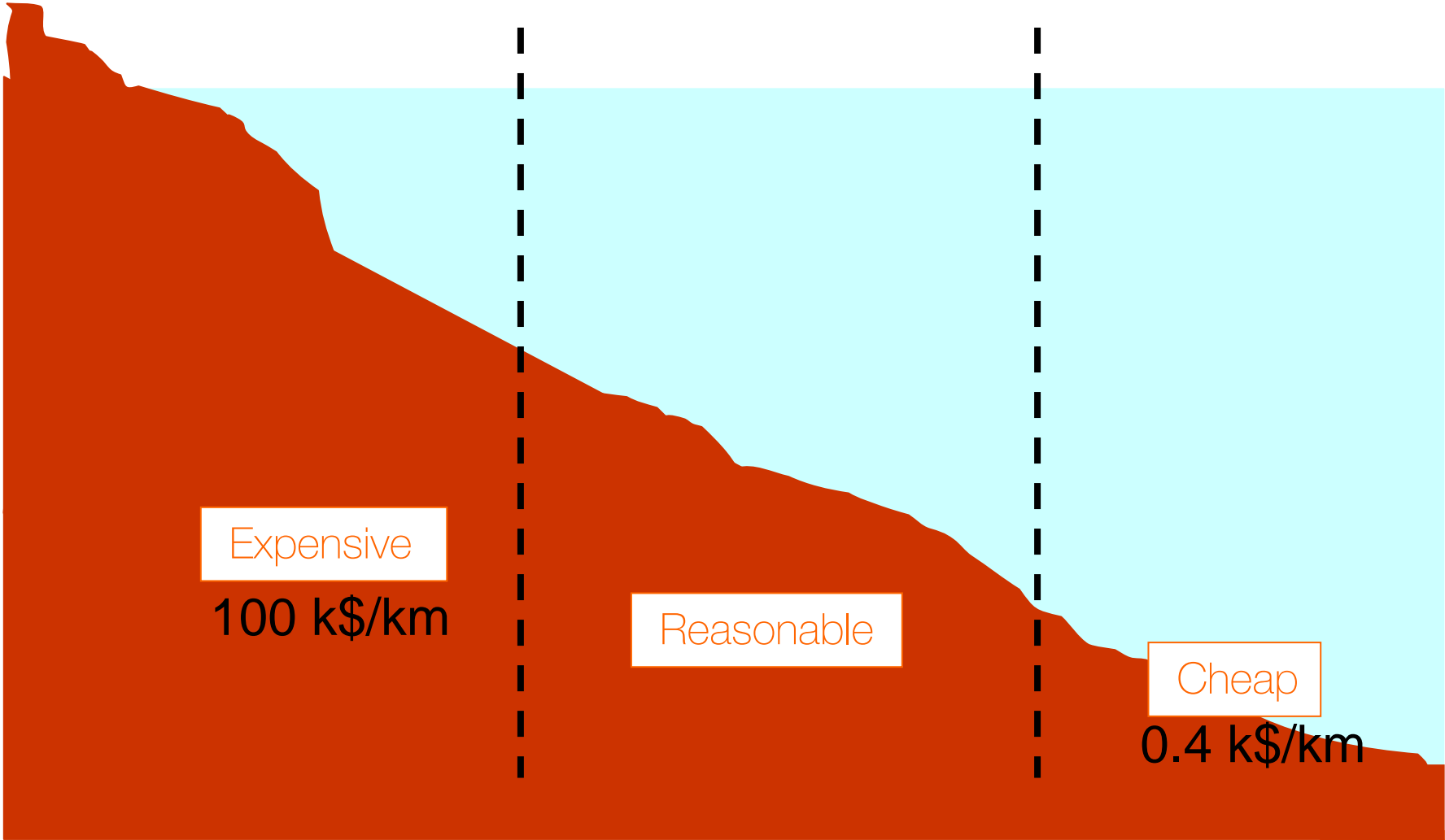
Costs for protection



Reduction from surface lay



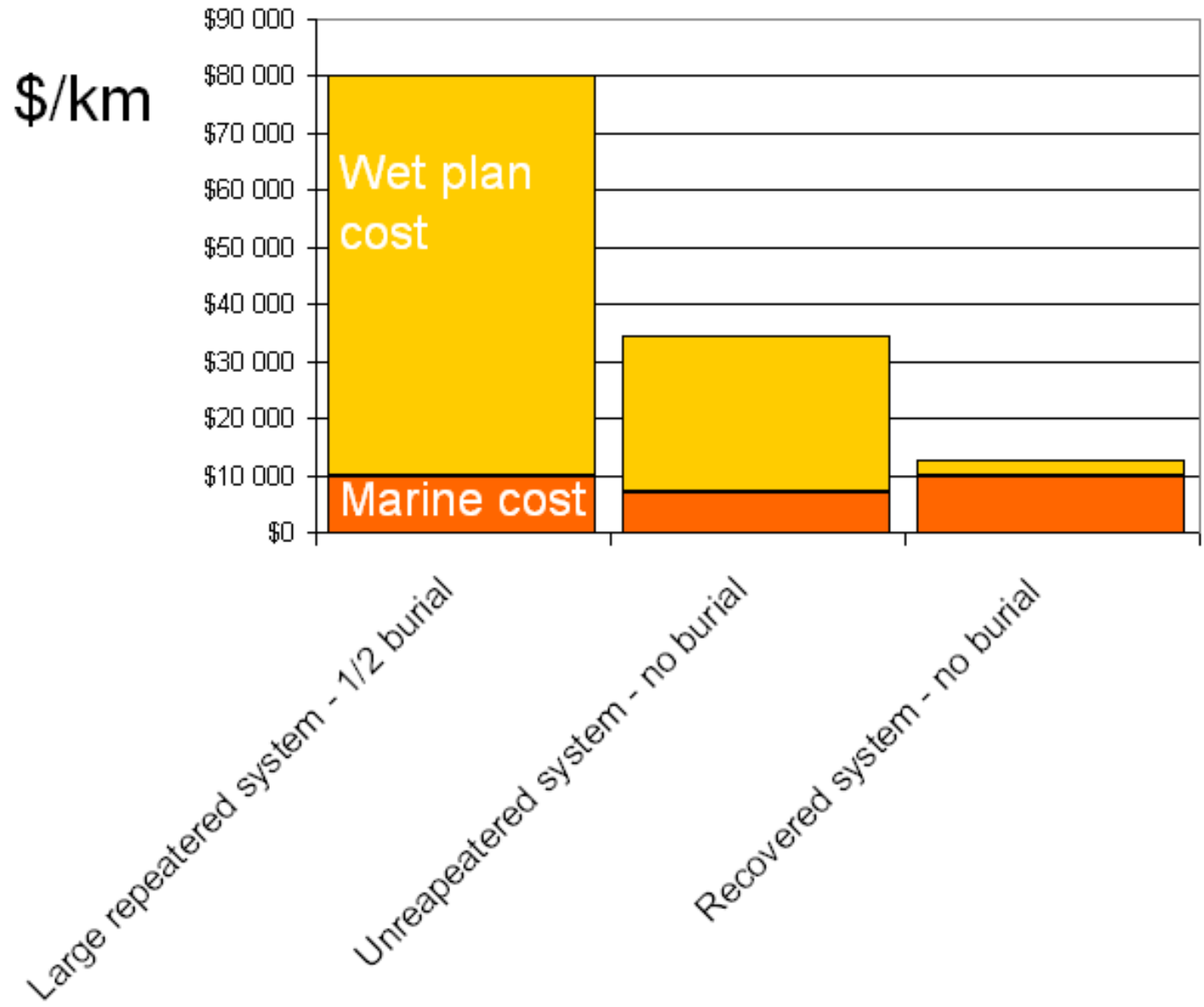
The water depth installation costs



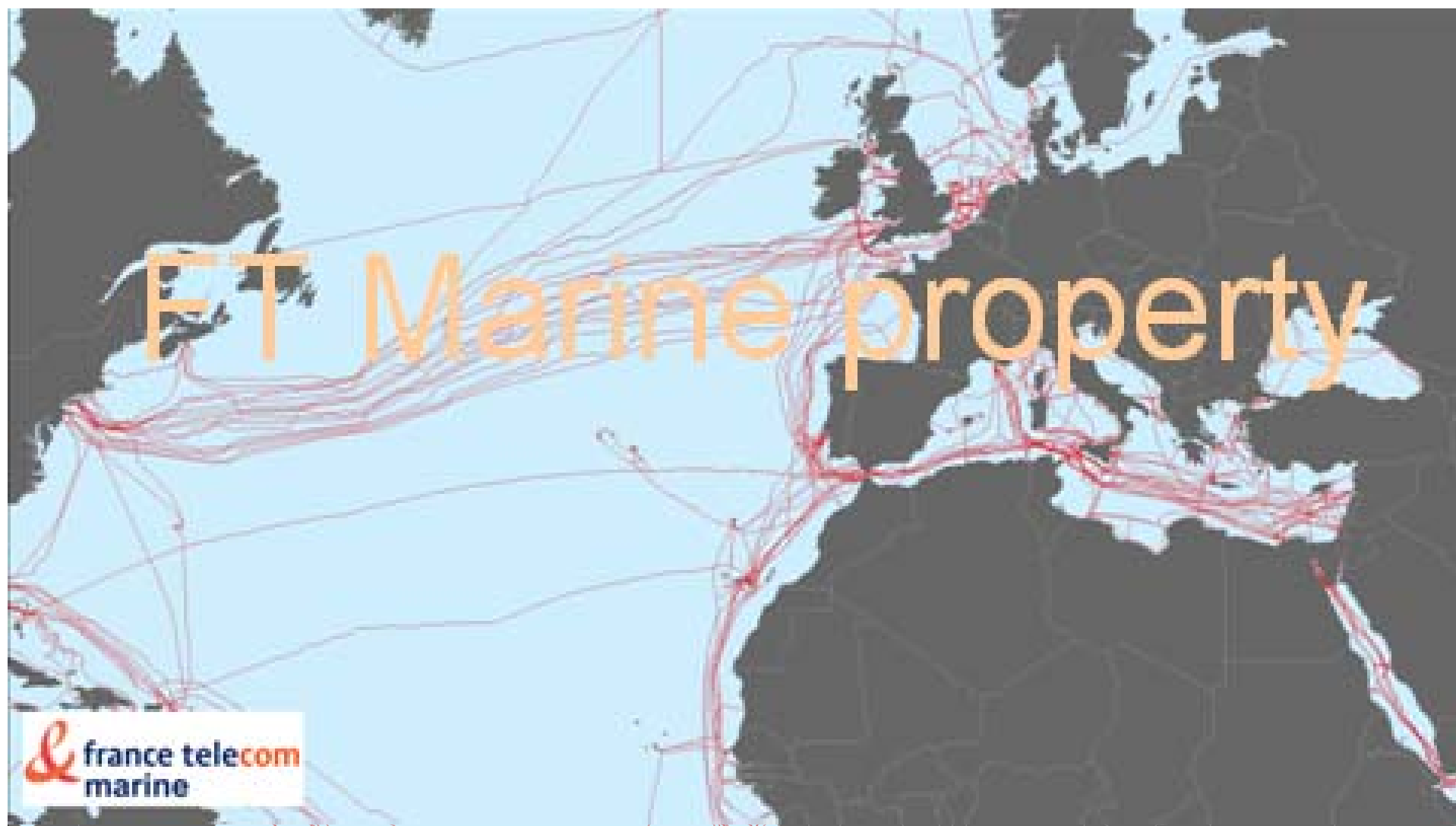
5/

Reduction of costs
from re-use

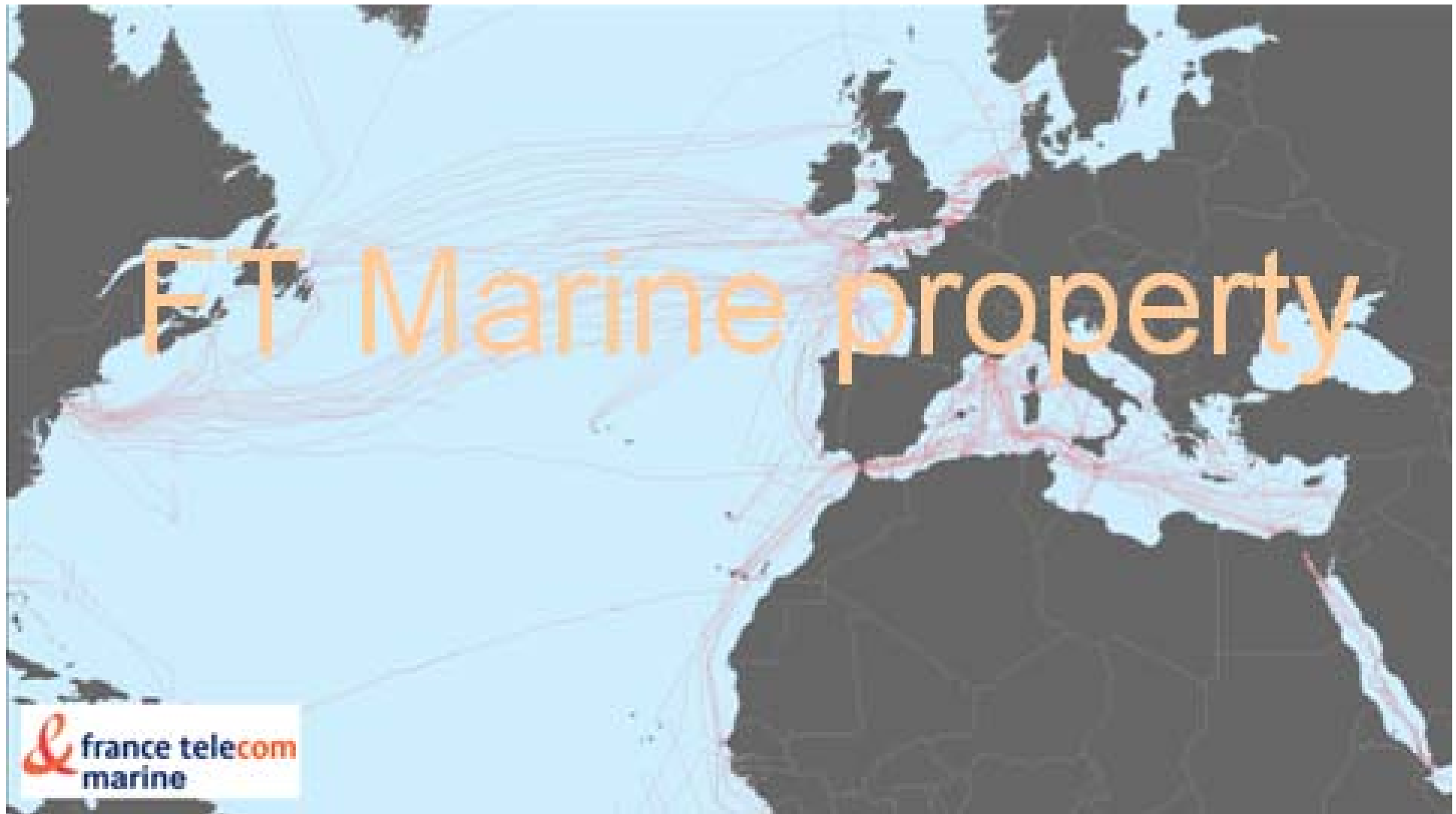
Reduction from re-use



« In service » cables



« Out of service » cables



Condition of recovered cable



10 years old
LWP cable
during
recovery

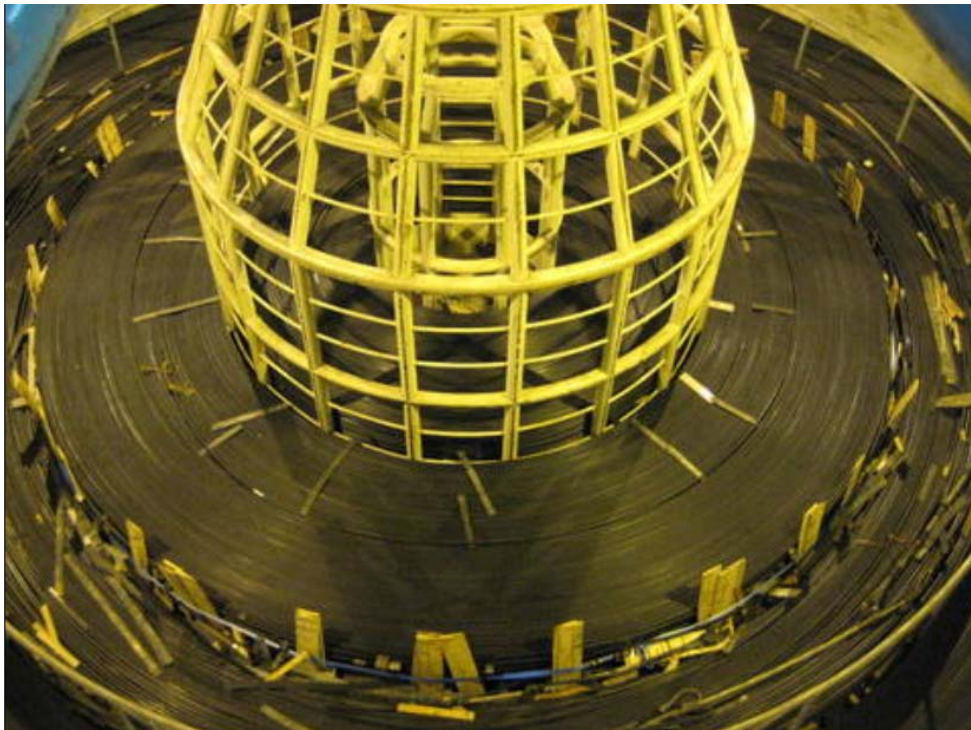
Condition of recovered cable



10 years old
repeater
during
recovery



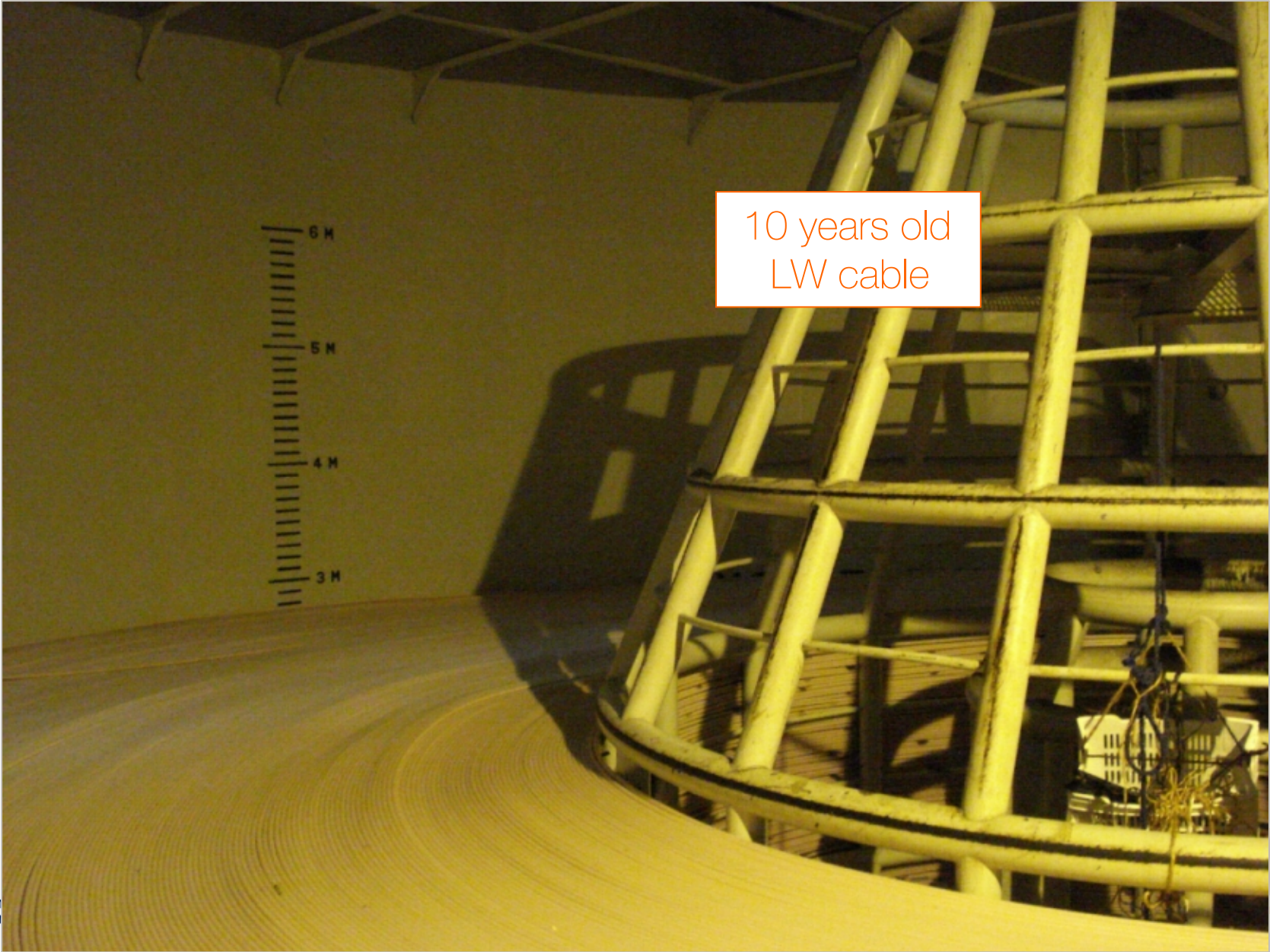
Condition of recovered cable



10 years old
LWP cable

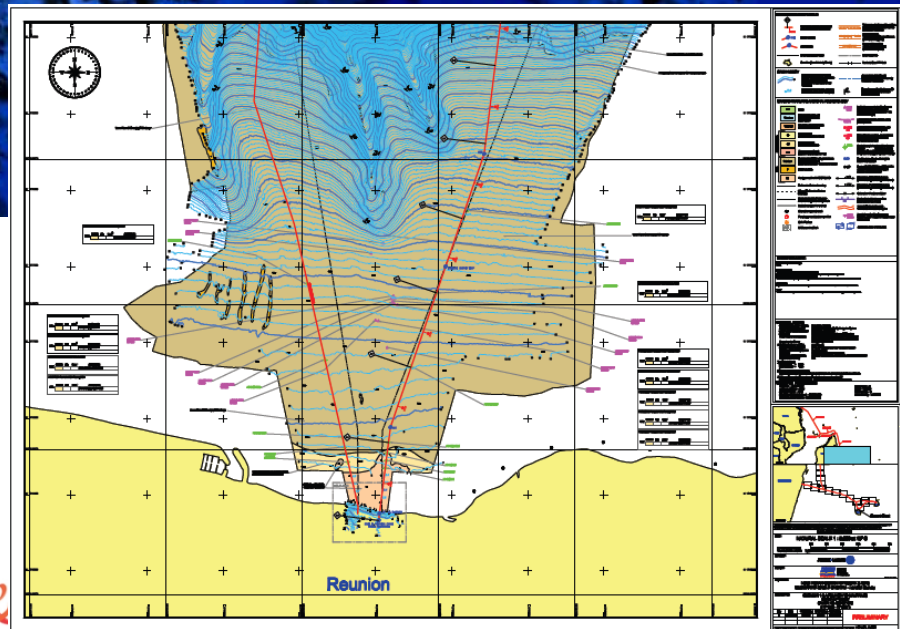
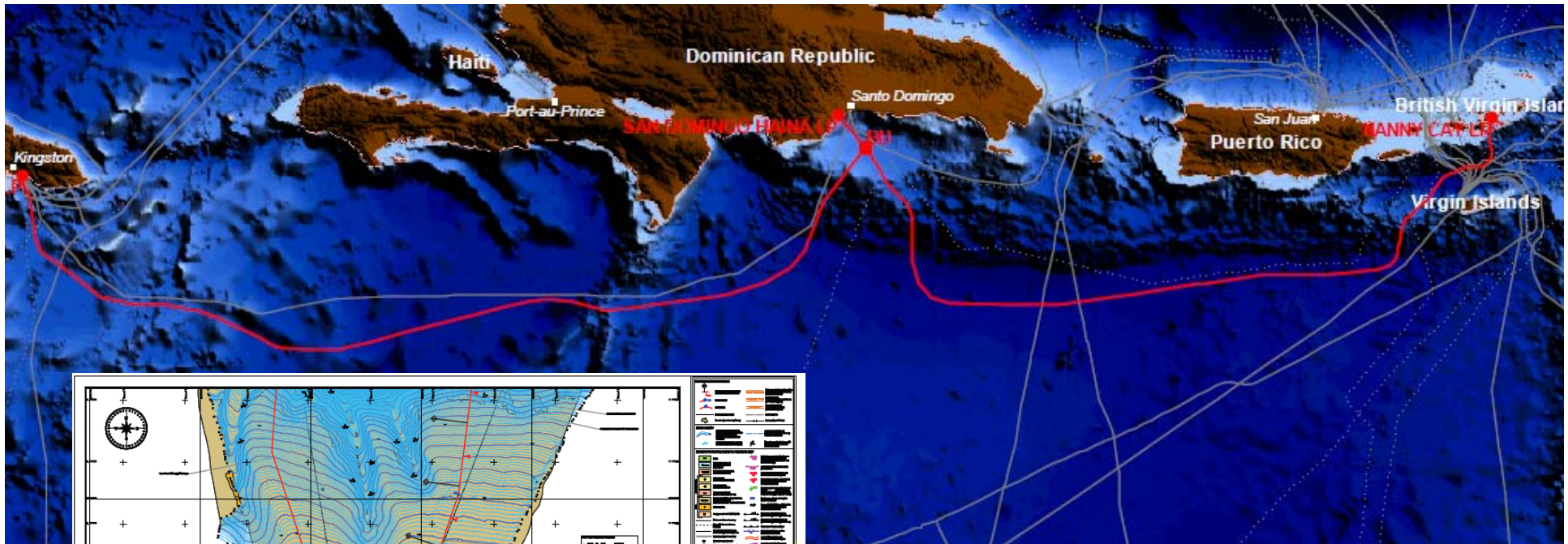


Condition of recovered cable

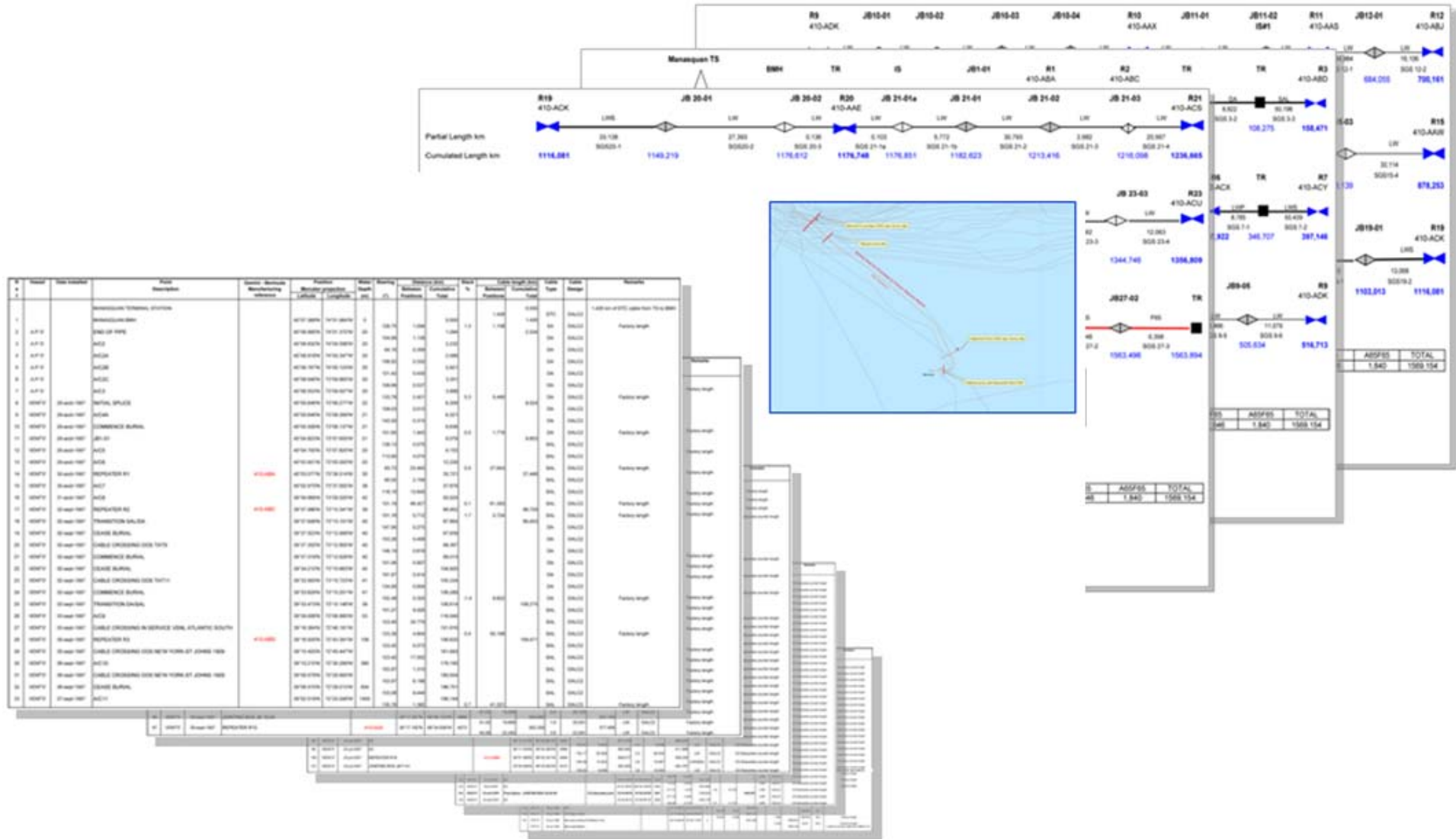


6/ Reduction of costs by engineering

Reducing cost by engineering

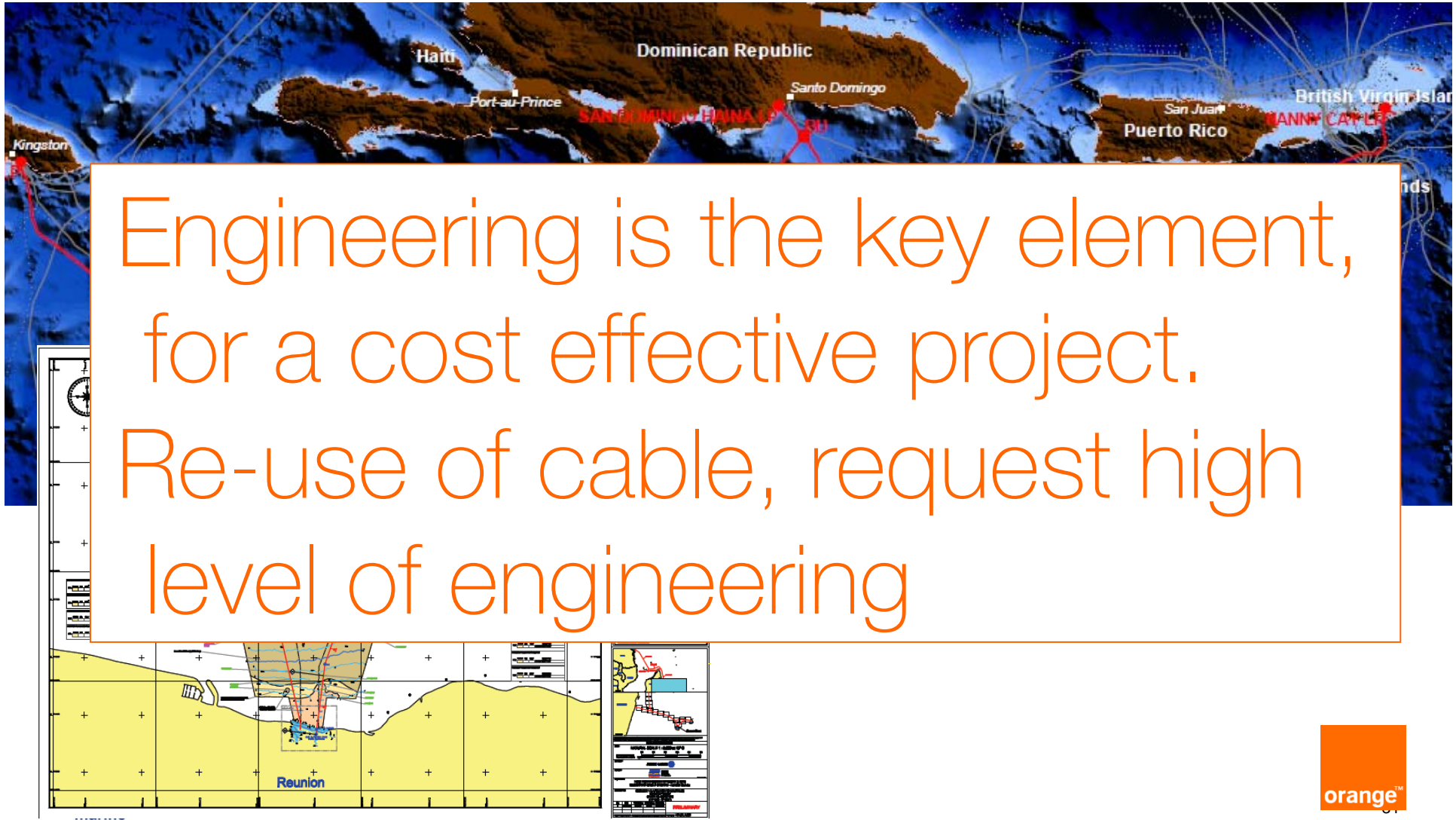


Reduction cost by engineering



7/ Conclusion

Conclusion



Thank you

