

PORT OF GIBRALTAR

Case Study – LNG Bunkering



Why Gibraltar?

Gateway to the Mediterranean



Port of Gibraltar - Background

- Gateway to the Mediterranean
 - 80,000 ship transits / year
 - 7,000 bunker calls
 - 200 + cruise ships visits
 - 300 + super yacht visits
 - Neighbouring ports

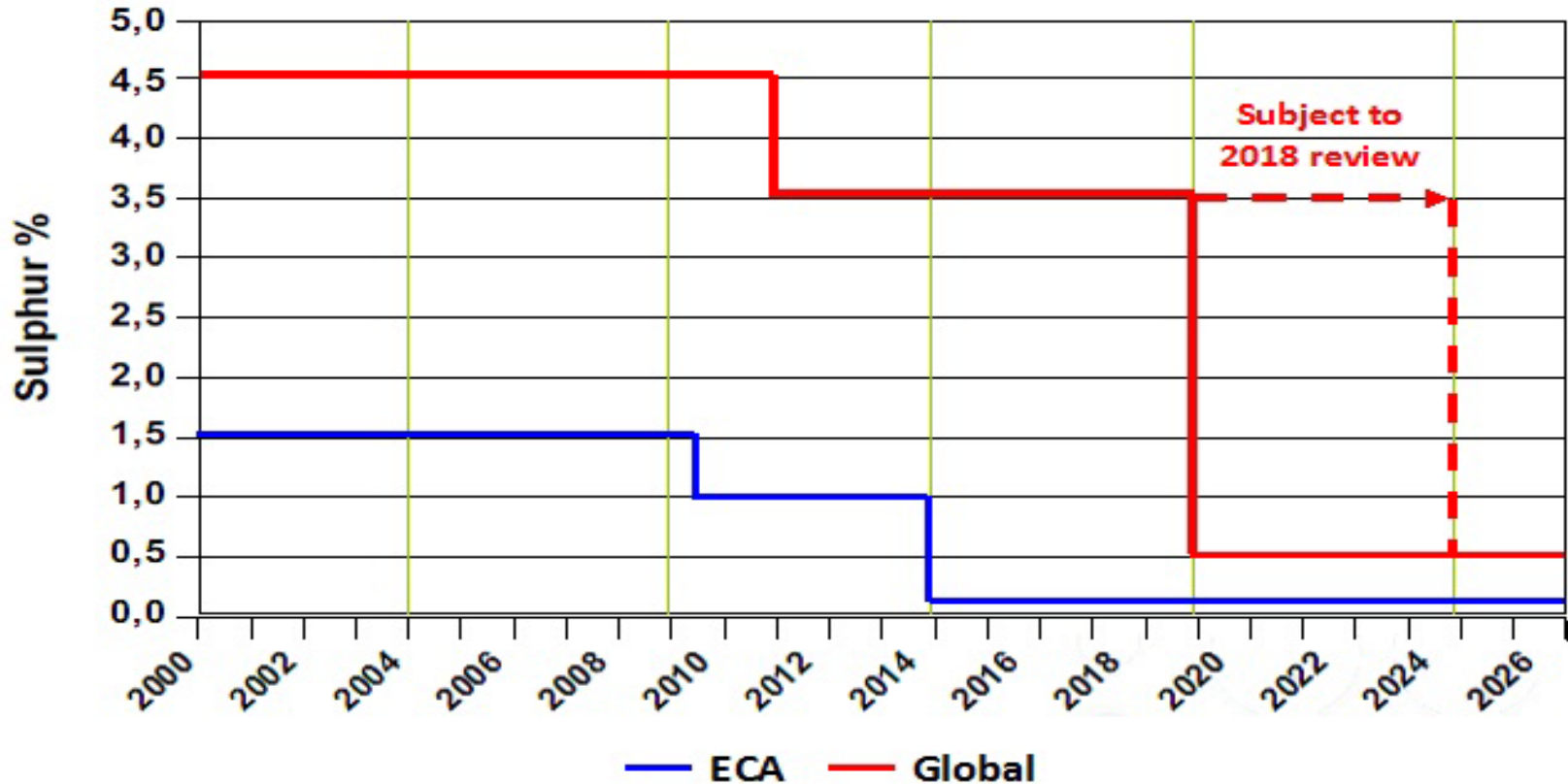


A bright future!

Bunkering in Gibraltar



The Wind of Change



Broader Marine Services

- **Underwater Cleaning & Inspection**
- **Containers Loading & Unloading**
- **Ship Repairs & Maintenance**
- **Provision of Stores & Spares**
- **Owners Matters**
- **Crew Change**
- **Flag Change**
- **Survey**
- **Lubs**

The Case for LNG Bunkering

- Trends and Forecasts
- Environmental Concerns
- Financial Pressure
- Provision of Wider Services
- Reputation as Centre of Excellence

The Case against LNG Bunkering

- Shipping / Trade patterns
- Upfront Costs
- Environmental / Safety concerns

But:

Synergies if linked with another project?

LNG IN GIBRALTAR?

LNG



Rocky road for LNG?

IMO has adopted a code to regulate the use of liquefied natural gas as a fuel, but a row in Gibraltar highlights the type of opposition that could lie ahead

The International Maritime Organization (IMO) has taken a major step to facilitate the use of liquefied natural gas (LNG) as a

using low-flashpoint fuels) to add new regulations to require ships constructed after the expected date of entry into force of 1 January 2017 to comply with the requirements of the IGF Code,

the secondary means of venting cargo tanks in order to ensure adequate safety against over- and under-pressure in the event of a cargo tank isolation valve being damaged or inadvertently

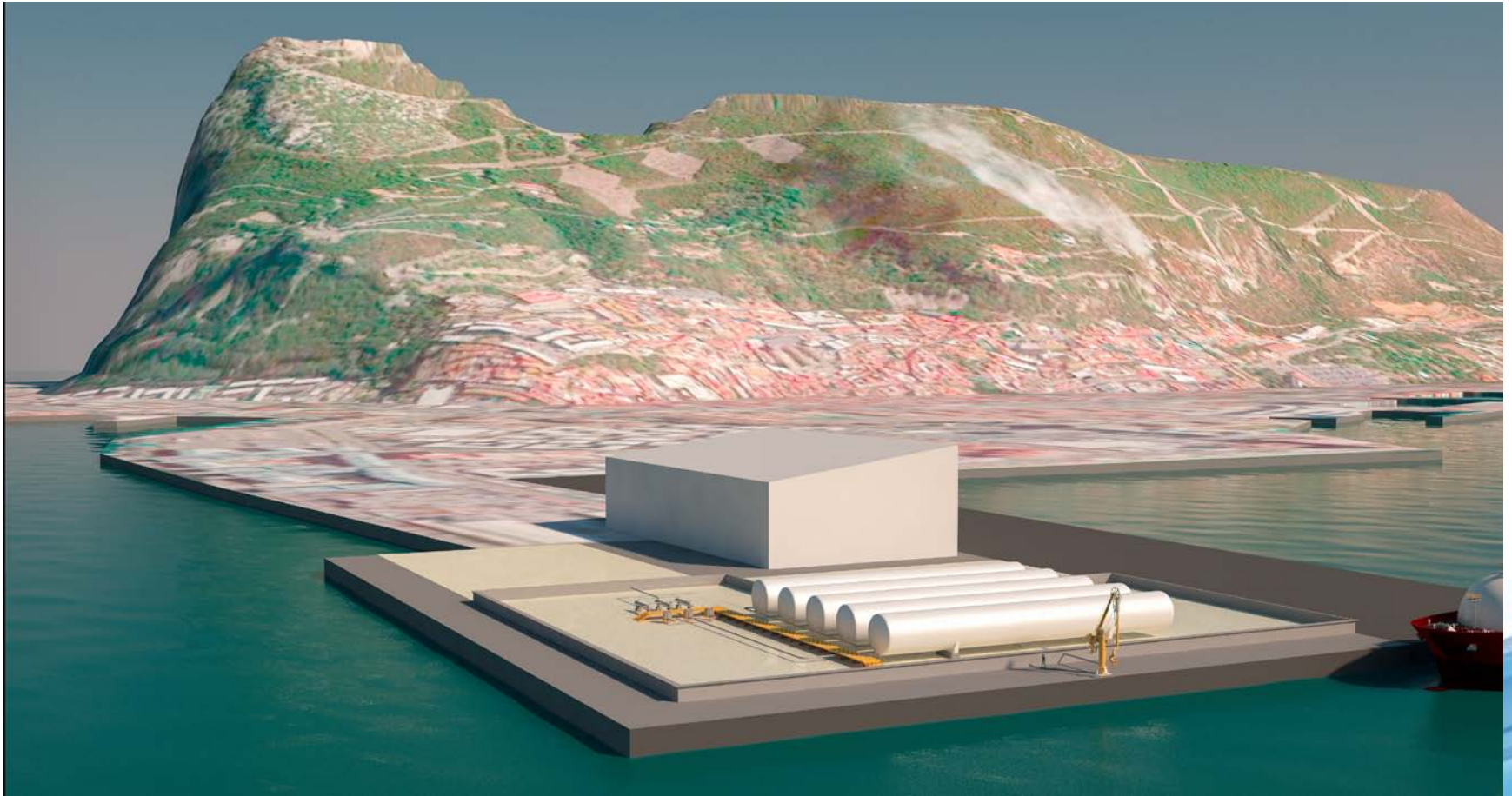
The Case against LNG Bunkering

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New Project – LNG fired Power Station



Gibraltar Harbour (North)



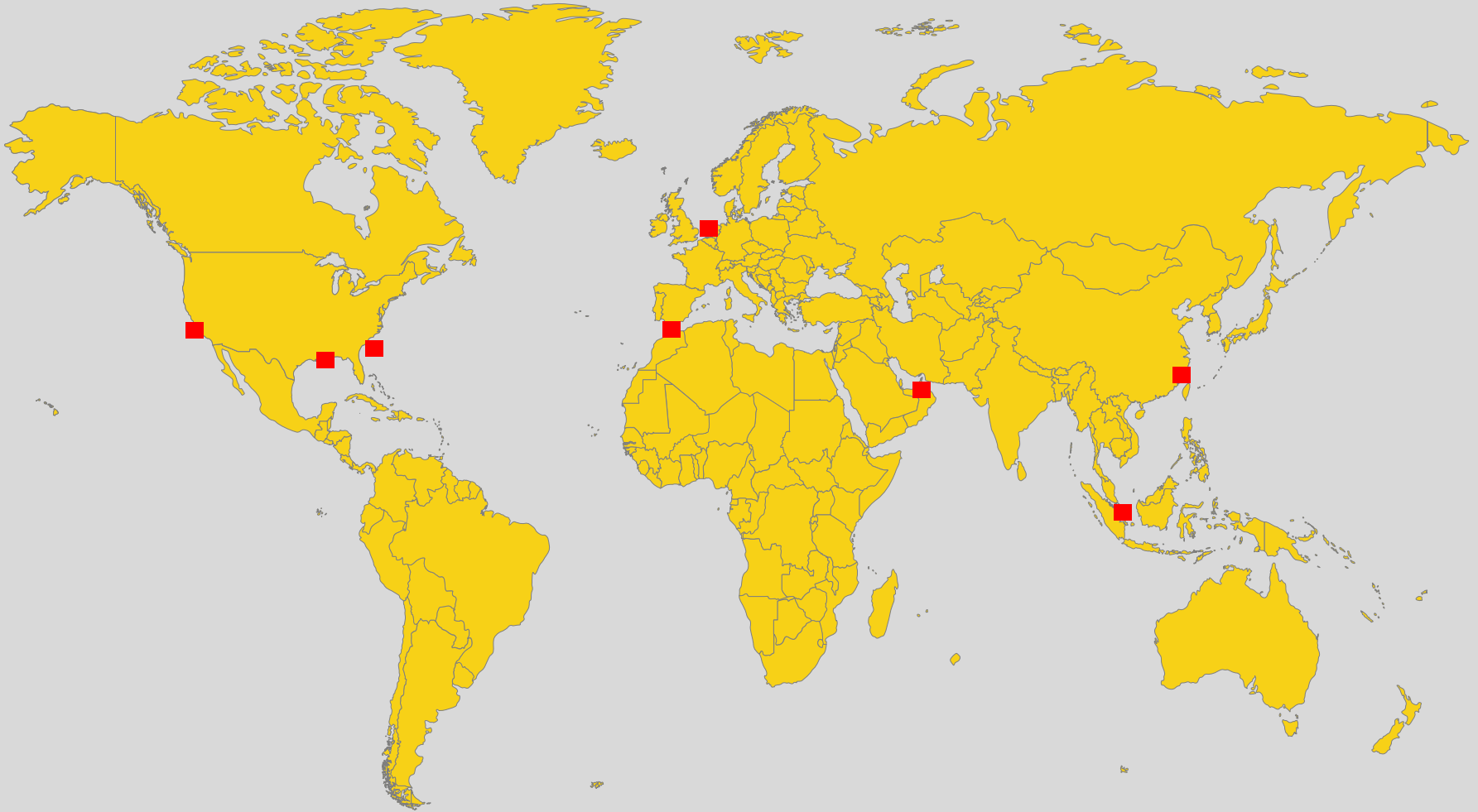
LNG Supply Vessel



The (Strengthened) Case for LNG Bunkering

- Risk Reduction – affordable solution
- Local bunker market knowledge / Shell's LNG expertise
- Hub within wider network
- Scope / poised for growth and development
- Environmental benefits

BUILDING A GLOBAL NETWORK



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The Past, Present ...and the Future?



Questions?

