

# No such thing as zero risk

## The *MT SANCHI* incident

# Amoco Cadiz

# Erika

# Ambès

# TK Bremen

Torrey Canyon

Tanio

Katja

levoli Sun

Ece

Donges

Prestige

1978 1980

1997 1999

2000 2002

2006

2007

2008

2011



# *MT SANCHI*

- Ship type: double-hulled oil tanker, Suezmax
- Flag: Panama
- Gross tonnage: 85,462
- Deadweight tonnage: 164,154 tonnes
- Length: 274 metres
- Width: 50 metres
- Date built: 2008
- Crew: 32 (3 dead and 29 missing)
- Cargo: 136,000 tonnes of condensate
- Propulsion fuel: 1,000 to 2,000 tonnes of IFO 380
- Operator: National Iranian Tanker Company

# CF CHRYSTAL

- Ship type: bulk carrier, Panamax
- Flag: Hong Kong
- Gross tonnage: 41,073
- Deadweight tonnage: 75,725 tonnes
- Length: 225 metres
- Width: 32 metres
- Date built: 2011
- Crew: 21
- Cargo: 74,000 tonnes of cereal
- Operator: Shanghai CP International Ship Management & Broker Co. Ltd

# The oil

- Cargo: 136,000 tonnes of condensate
  - Very light crude oil
  - Over 90% evaporation
- Propulsion fuel: 1,000 to 2,000 tonnes of IFO 380
  - Heavy refined oil
  - Persistent

# The incident

- On 6th January 2018, collision between the *MT Sanchi* and the *FC Chrystal* in the middle of the East China Sea
- The *MT Sanchi* was on fire and drifting, polluting the air and sea
- Extinguishing operations

# The incident

- On 10th January 2018, explosion on board
- Extinguishing operations stopped
- On 13th, team sent on board
- On 14th, the *MT Sanchi* exploded and sank in waters 115 m deep

# Surface pollution

- On 15th January the fire went out Slicks covered 60 km<sup>2</sup>
- On 16th, fragmented slicks were observed by the Japanese Coast Guard 27 km north of the source



# Fate of the oil

- No more oil visible after 2 weeks
- On 2nd February, oil first washed up on the shore of the islands and islets south of Japan
- On 22nd February, tarballs reported in the south of Korea

# In conclusion...

- A human catastrophe
- Major atmospheric pollution
- Unusual marine pollution
- A collision between two large modern vessels
- An area of intense maritime traffic
- Adverse weather conditions
- Transboundary pollution...