


Passover in Costa Rica

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Costa Concordia



- Costa Concordia was a cruise ship built in January of 2004 as a newer model of Costa Fortuna and Costa Magica.



YouTube

Costa Concordia

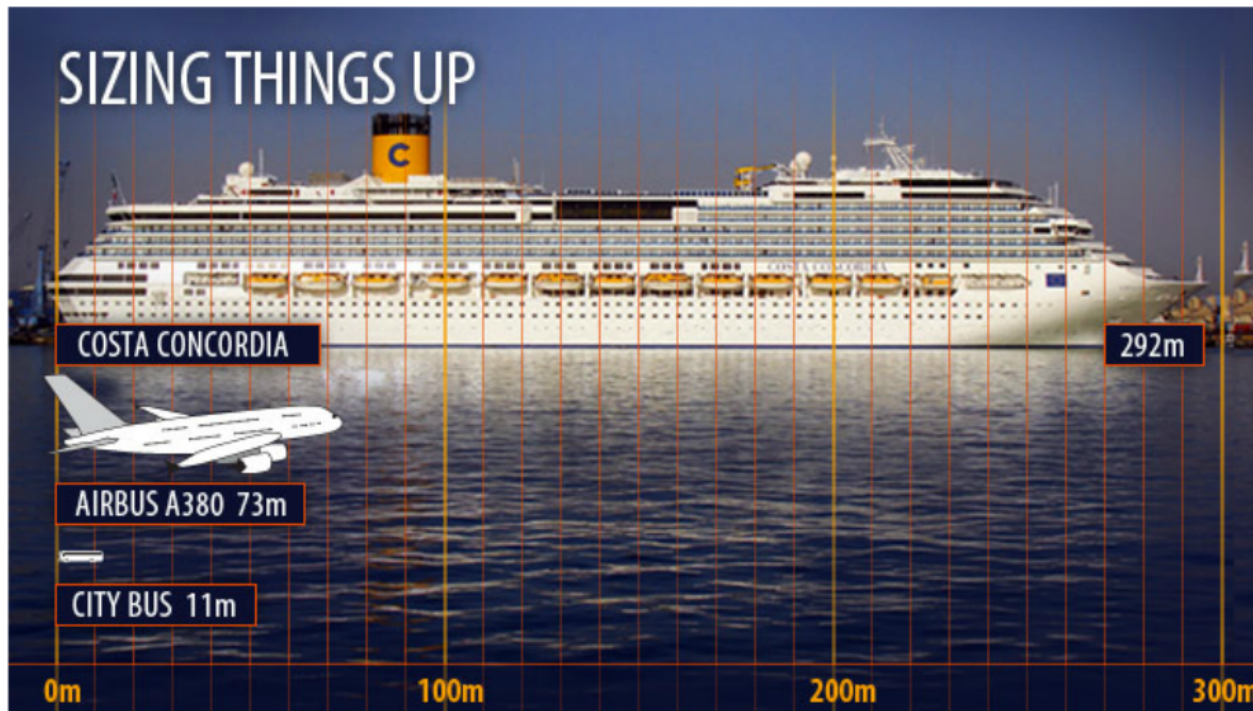


- Costa Concordia was a cruise ship built in January of 2004 as a newer model of Costa Fortuna and Costa Magica.
- Designed for all year round cruising
- Capacity of 3780 passengers
- Part of the Carnival Corporation cruise line

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Costa Concordia Dimensions



- Largest Italian cruise ship in history
- Length of 950 feet, a Beam of 118 feet, and draft of 26 feet.
- 13 decks
- 100,000 tons



Disaster

January 13, 2012

- The ship hits a rock on the coast of Giglio, damaging the hull of the ship.
- The ship capsized within an hour.
- Considered the biggest maritime evacuation in history.
- 32 people lost their lives

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Investigation

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- It was found that the ship hit the rocks because the captain changed the route.
- He ordered the ship to be steered close to the island of Giglio as a salute.
- The ship was too close to the shore and there were no appropriately detailed maps of the area.



Routes taken by Costa Concordia

- Previous cruise 14 Aug. 2011
- Previous cruise 6 Jan. 2012
- Route of disaster 13 Jan. 2012

Local times (GMT +1)

Porto Santo Stefano

22:54: Ship evacuated

Giglio Porto

22:11: Ship turns and drifts towards shore

21:45: Ship hits rocks

5km

5 miles

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Microsoft, Lloyd's List

Costa Concordia Parbuckling Project

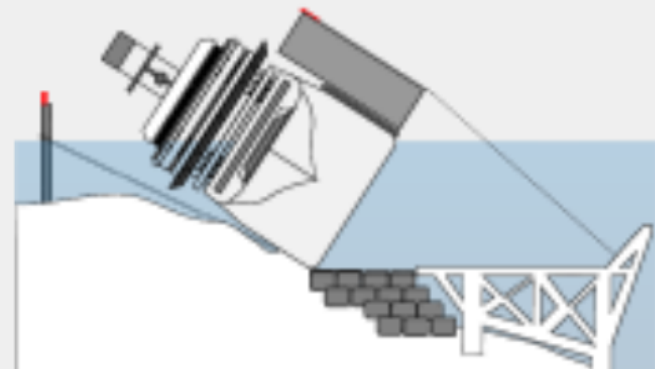
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- Nick Sloane: Senior Salvage Master
- The idea of parbuckling was to remove the ship intact and in one piece.
- This was a difficult task due to the size of the ship and the amount of time it was submerged.
- Plan took 2 years
- Never done before!



1. Secure the ship to prevent sea from washing it away.

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2. Underwater support system platform to catch Costa Concordia as it rolls upright.