



https://en.wikipedia.org/wiki/Deepwater_Horizon#/media/File:Deepwater_Horizon_on_fire.jpg



<https://www.youtube.com/watch?v=s0ZnTL1fMo>

Case Studies

- Watch the videos and take note of the series of failures that culminated in the disaster in each case
- <http://www.csb.gov/videos/deepwater-horizon-blowout-animation/>
- <https://www.youtube.com/watch?v=s0RZnTL1fMo>

Exercise:

- Split your team into two sub-teams A and B
- On the handout sheet with your team number and names, answer the following questions:
 1. Which failures occurred that contributed to the BP blowout preventer failure and could designers have anticipated any of these?
 2. Which failures occurred that contributed to the Concorde crash and could designers have anticipated any of these?
 3. Identify at least 2 instances where failsafe design was used and where it could have been used but was not.
 4. Contrast the design and implementation of the BP Horizon blowout preventer with the design and implementation of the Concorde.

Be prepared to present your answers and please hand in your sheet at the end of class.