

# Regulating a fast changing sector

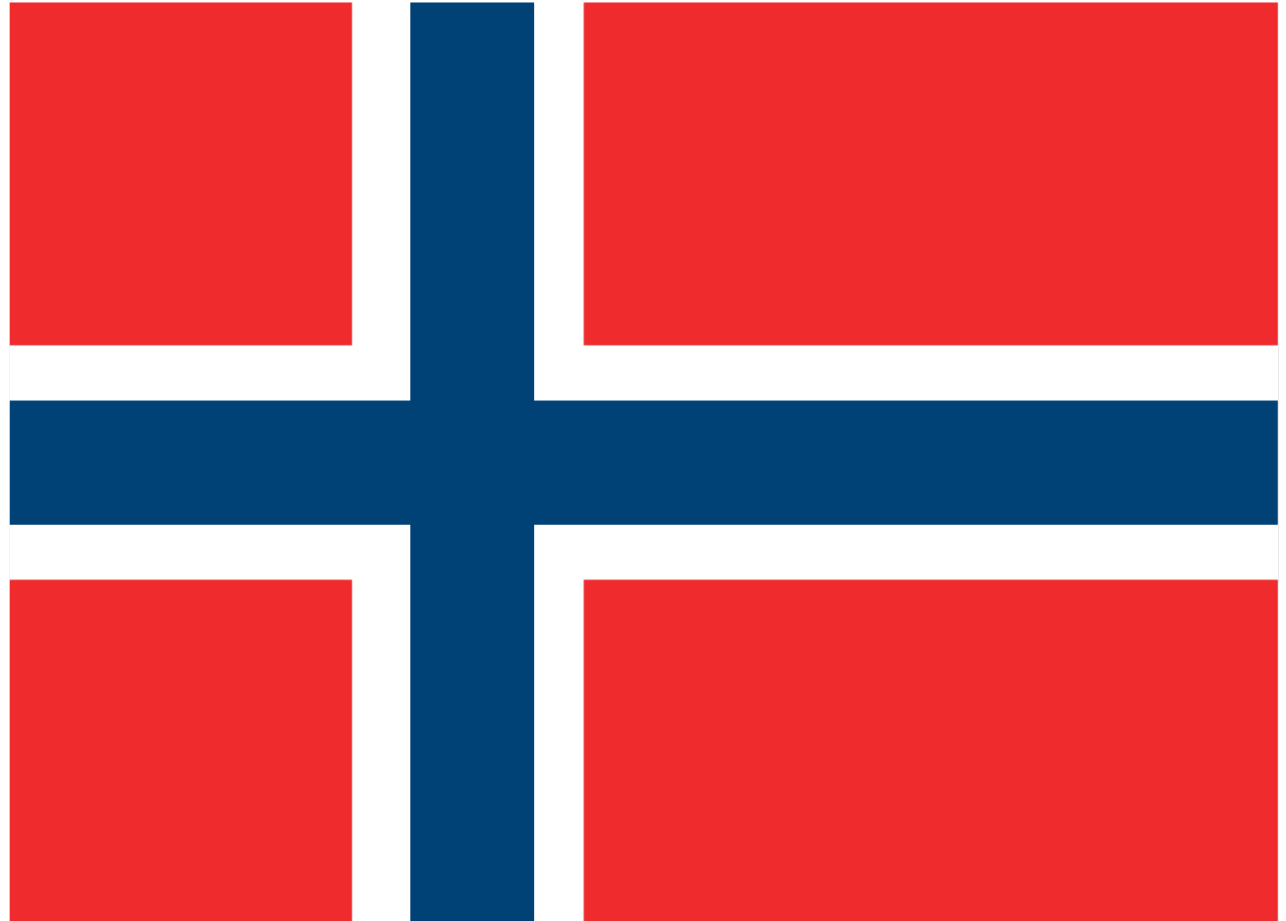
Nils Haktor Bua,  
HVL, Haugesund 08.11.2019





# The Norwegian Maritime Authority

- Flag administration
- Ship register (NIS/NOR)
- Regulation
- Ship safety and security





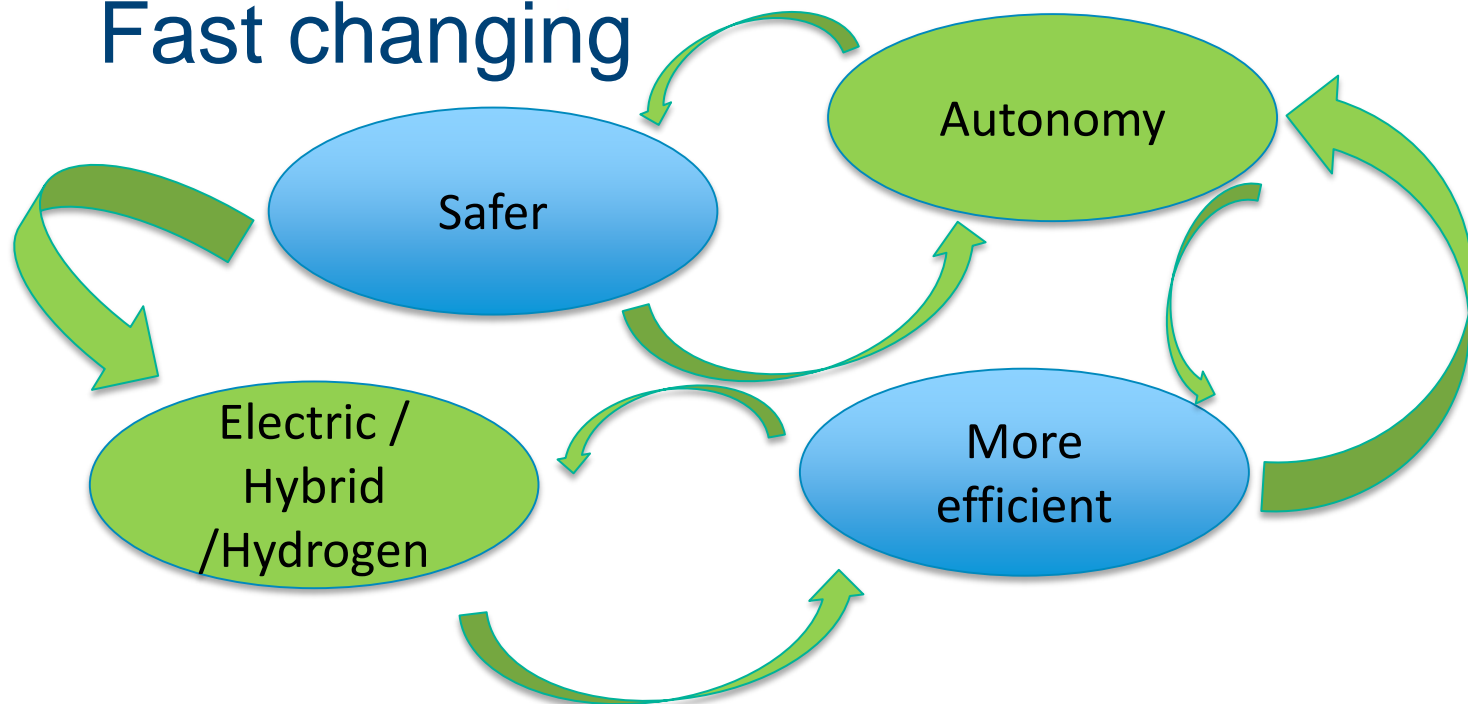


# The customer journey

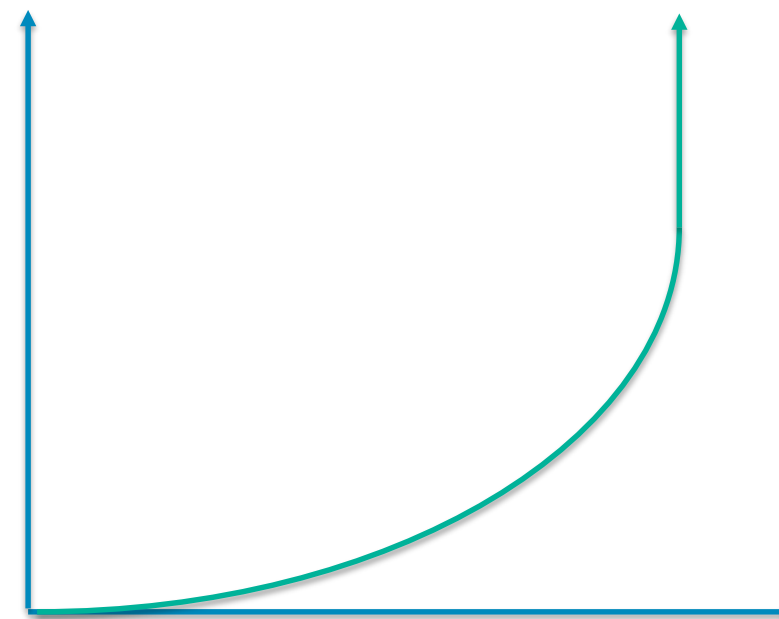




## Fast changing

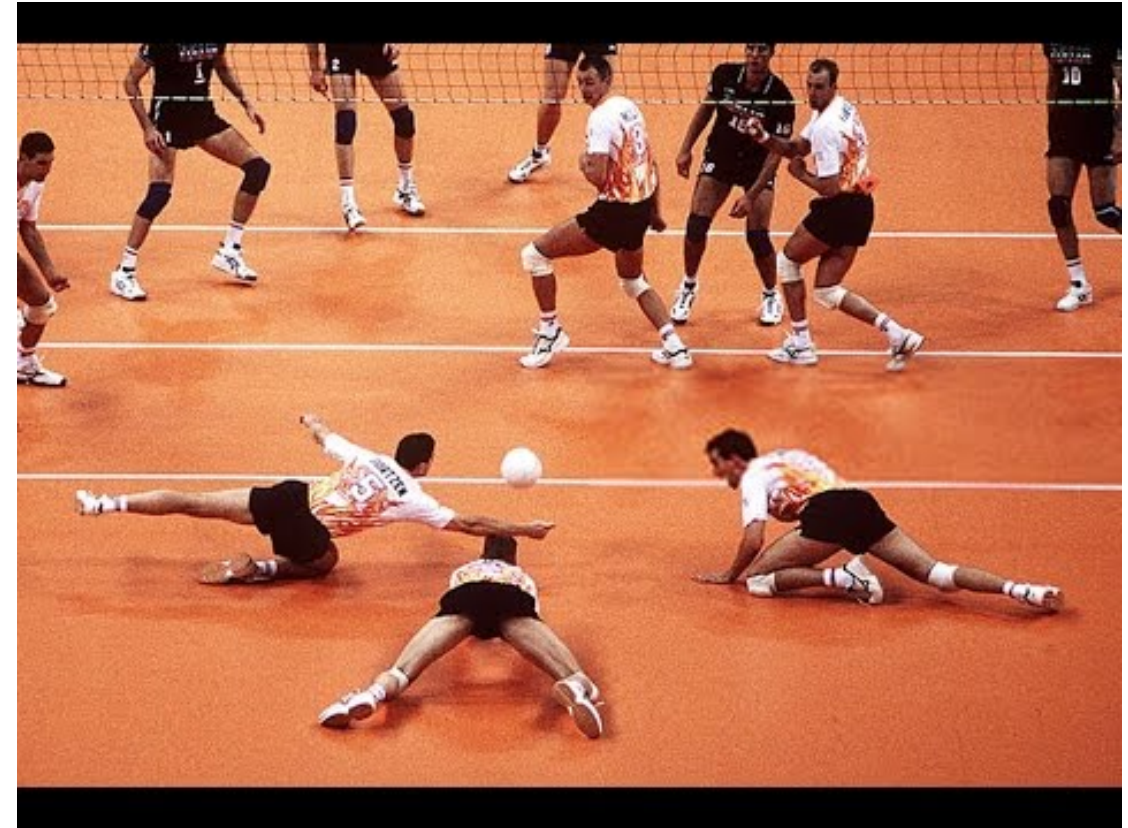
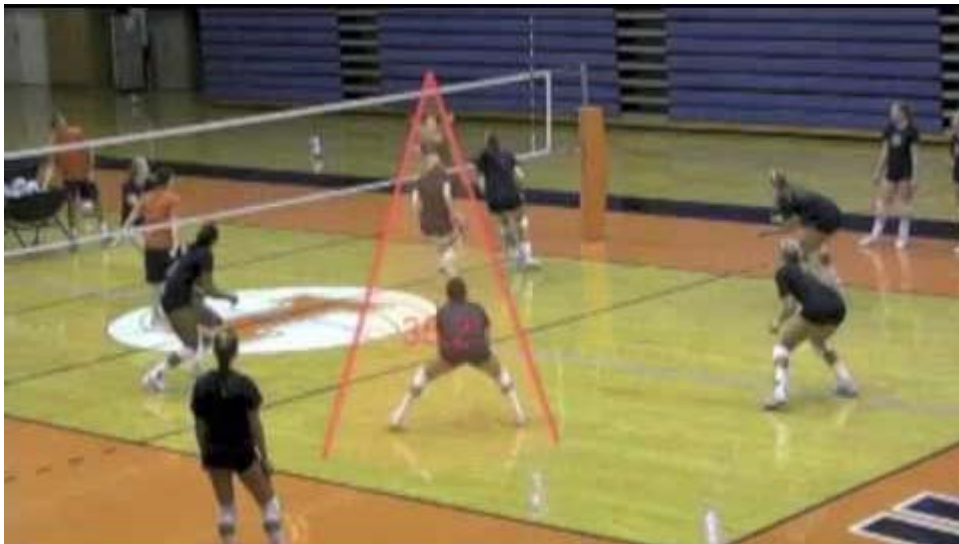
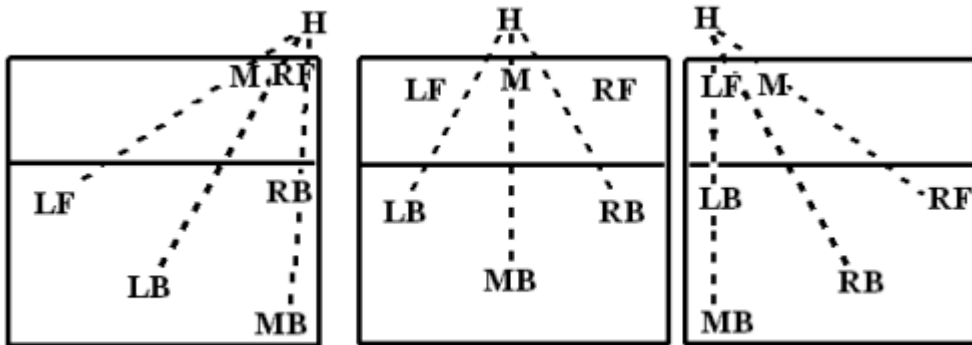


Regulations outdated when made



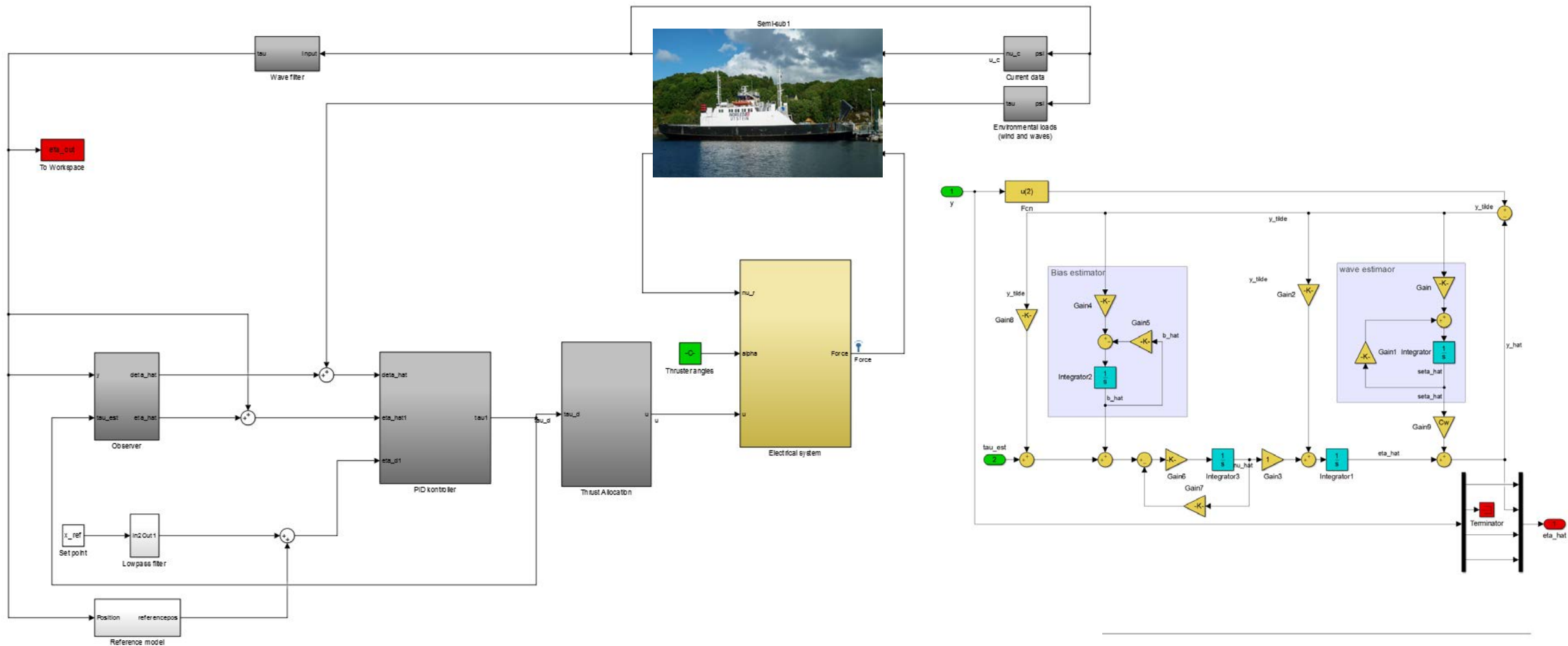


# If we knew how it would be..





# Is it really that hard?



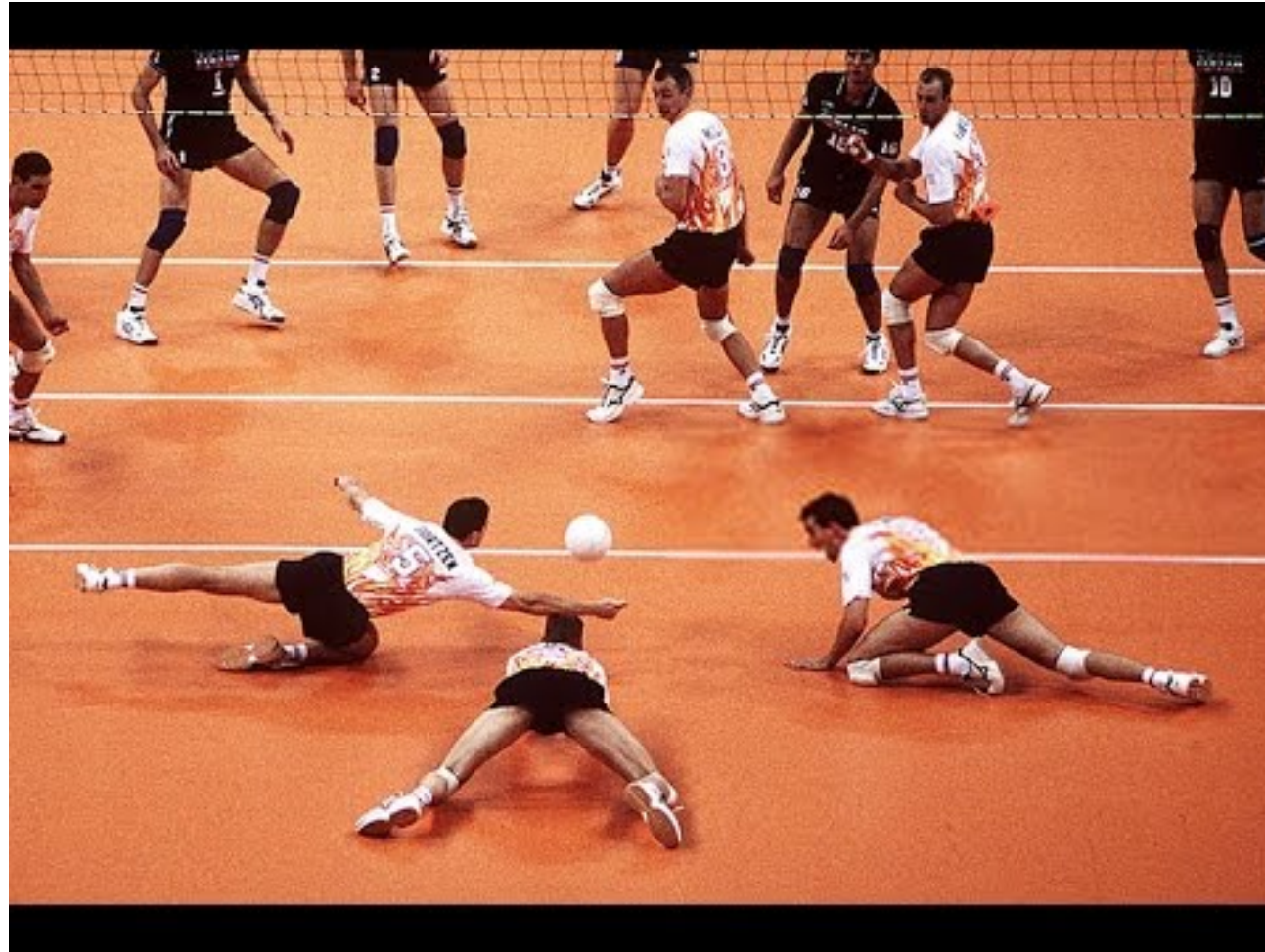


# As safe or safer



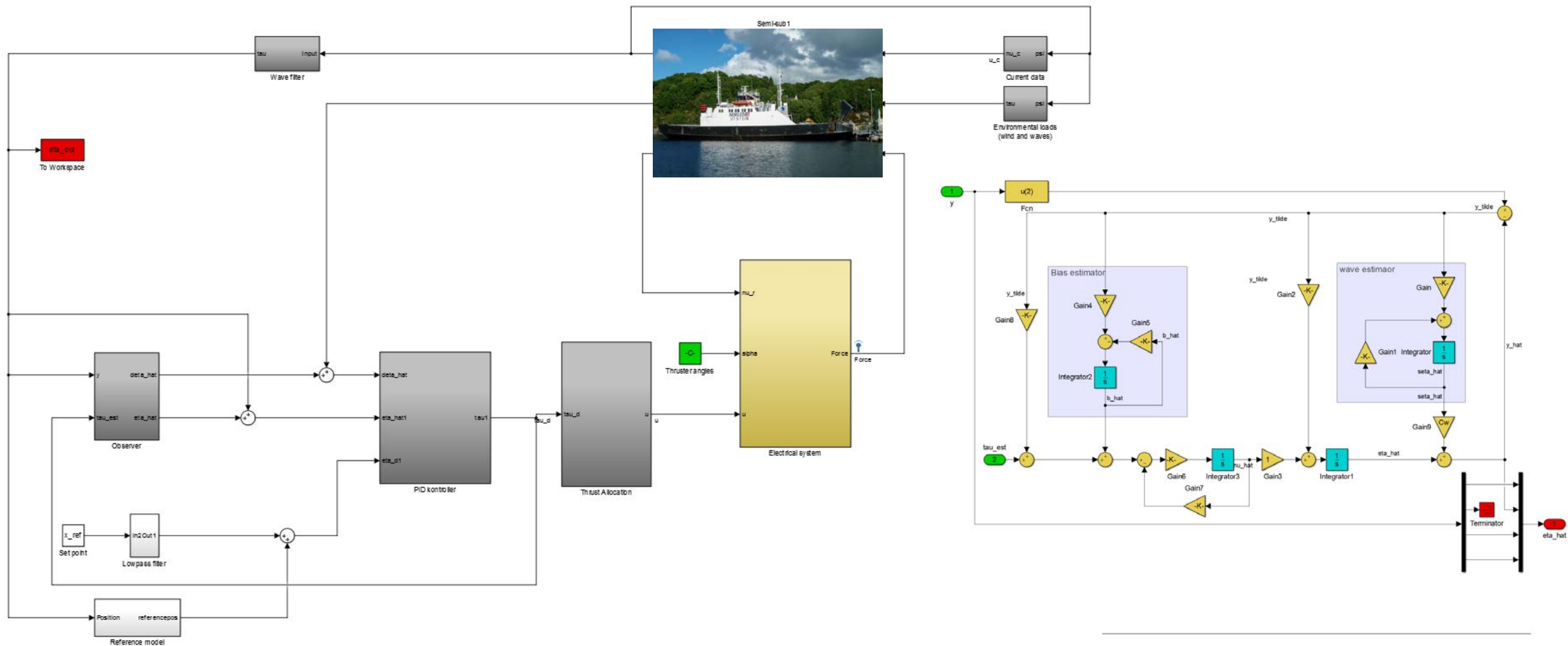


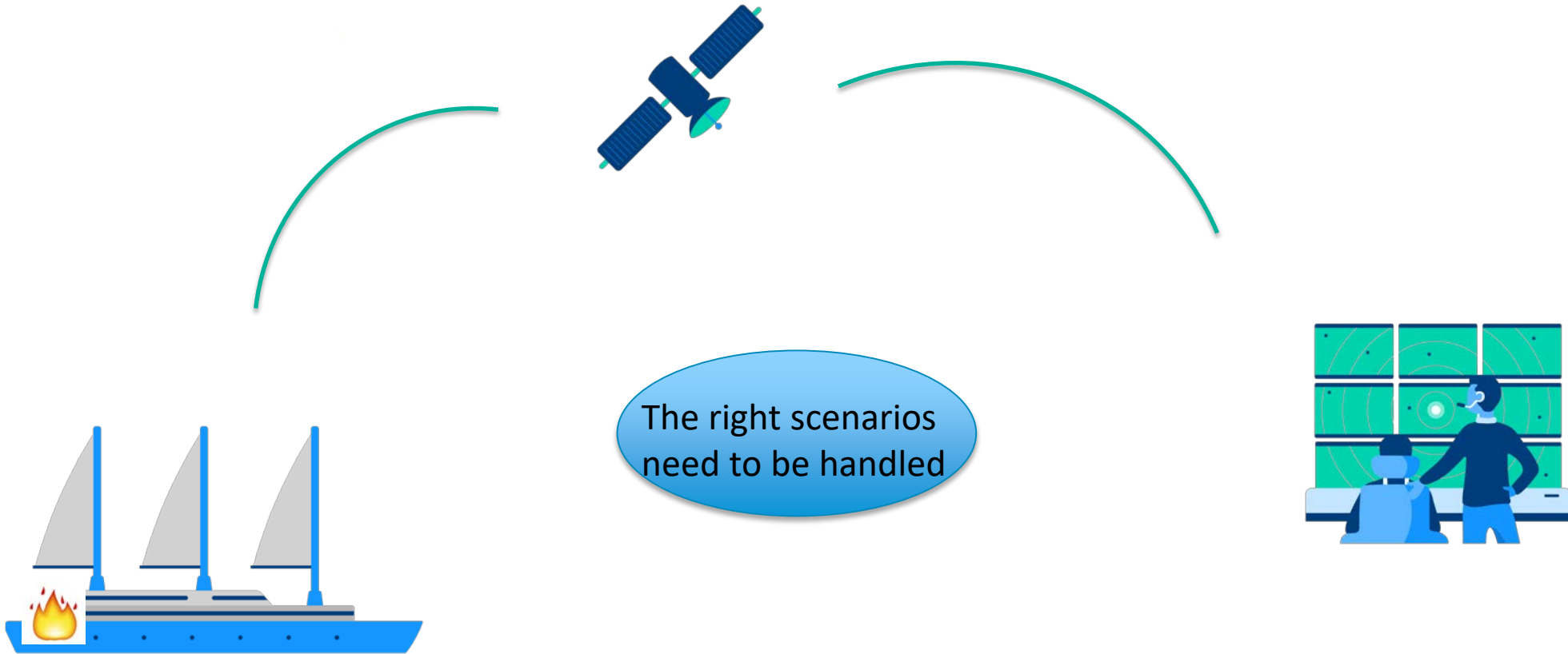
# We need to design for the unknown – or at least evaluate the risk



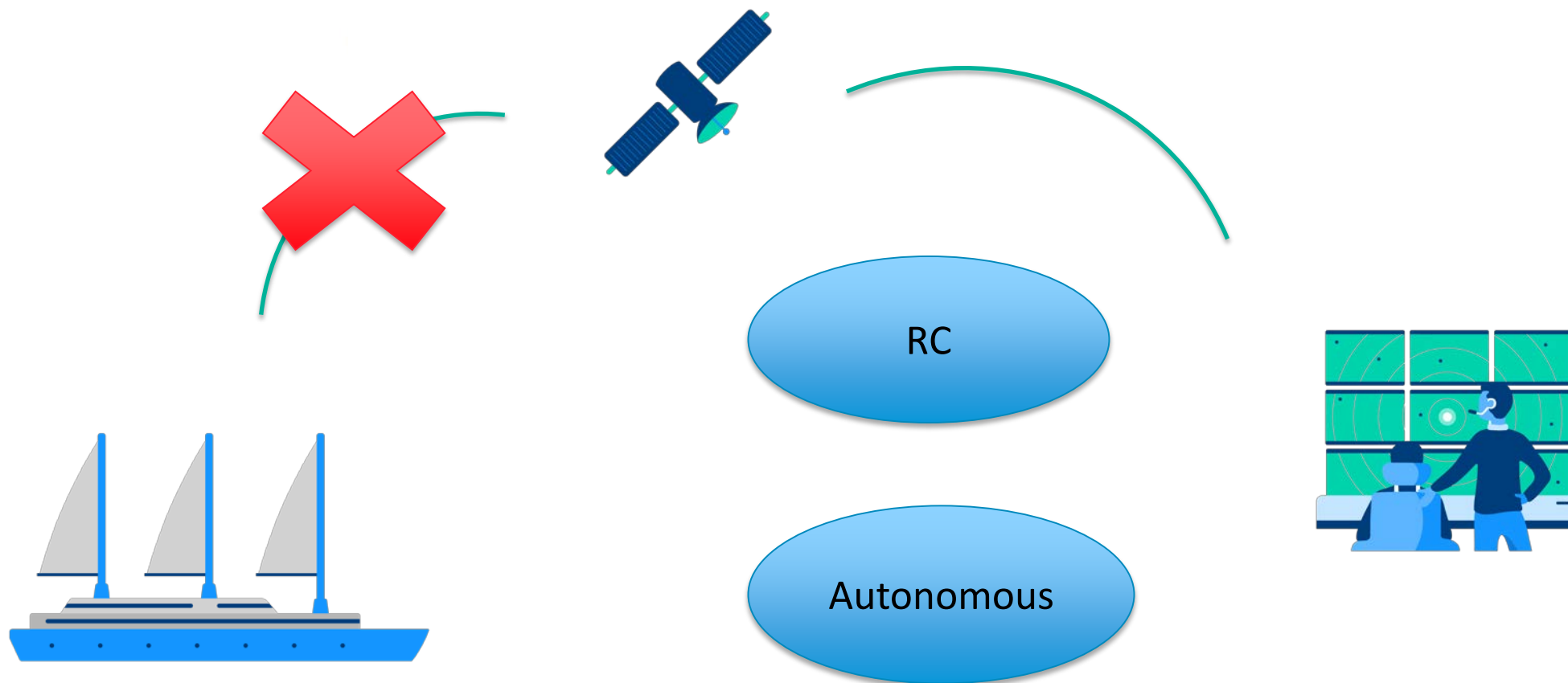


# What is happening when..





The right scenarios  
need to be handled



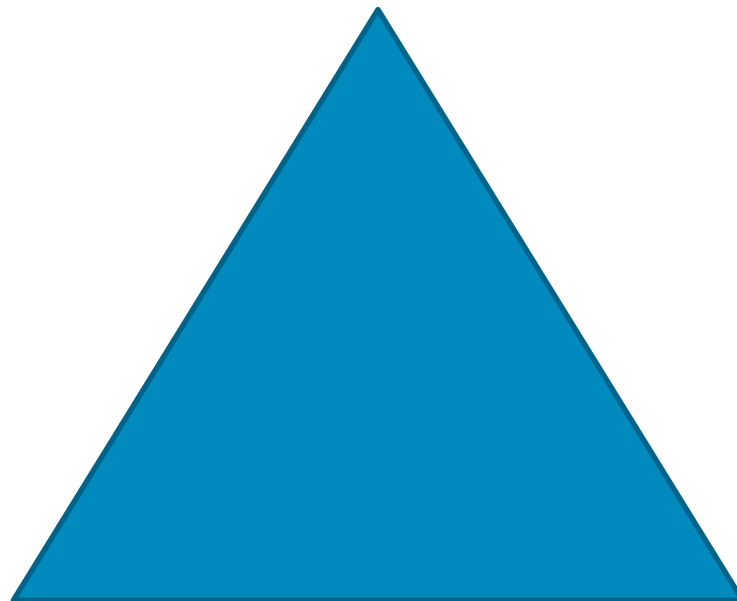


# The CIA-model



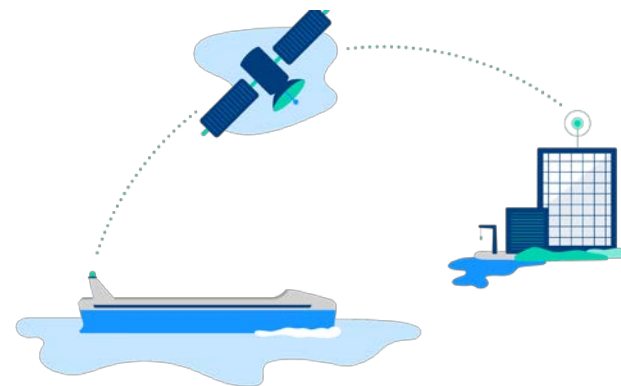
## Confidentiality

Keep data safe / restricted access



## Availability

Available data for the right use



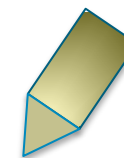
## Integrity

The right data

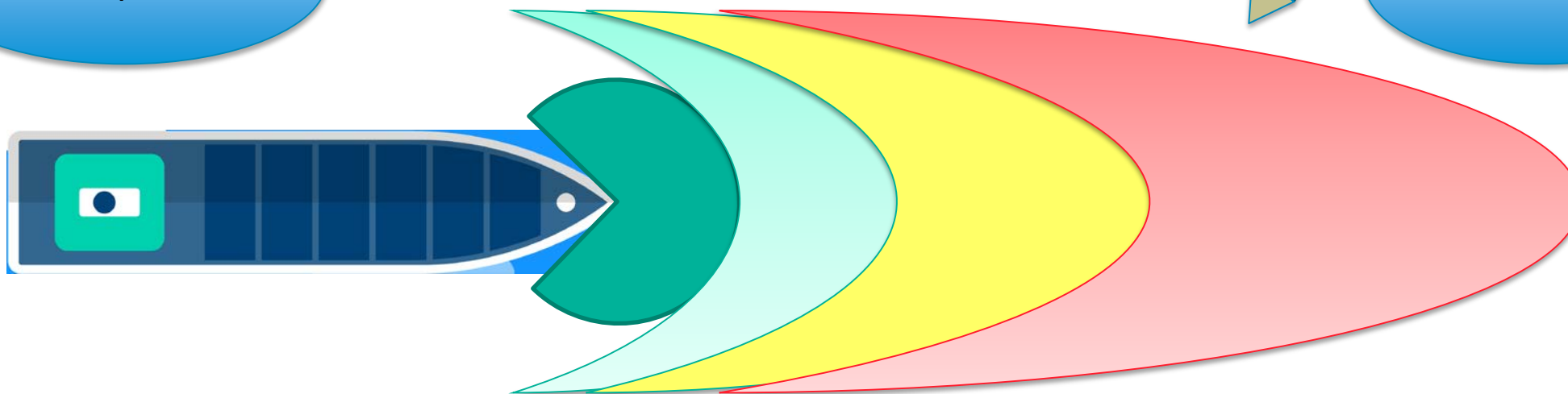


# What do you design for?

Consequence?



Avoid?



Also relevant when it comes to CS



# Functions





Thank you!

