

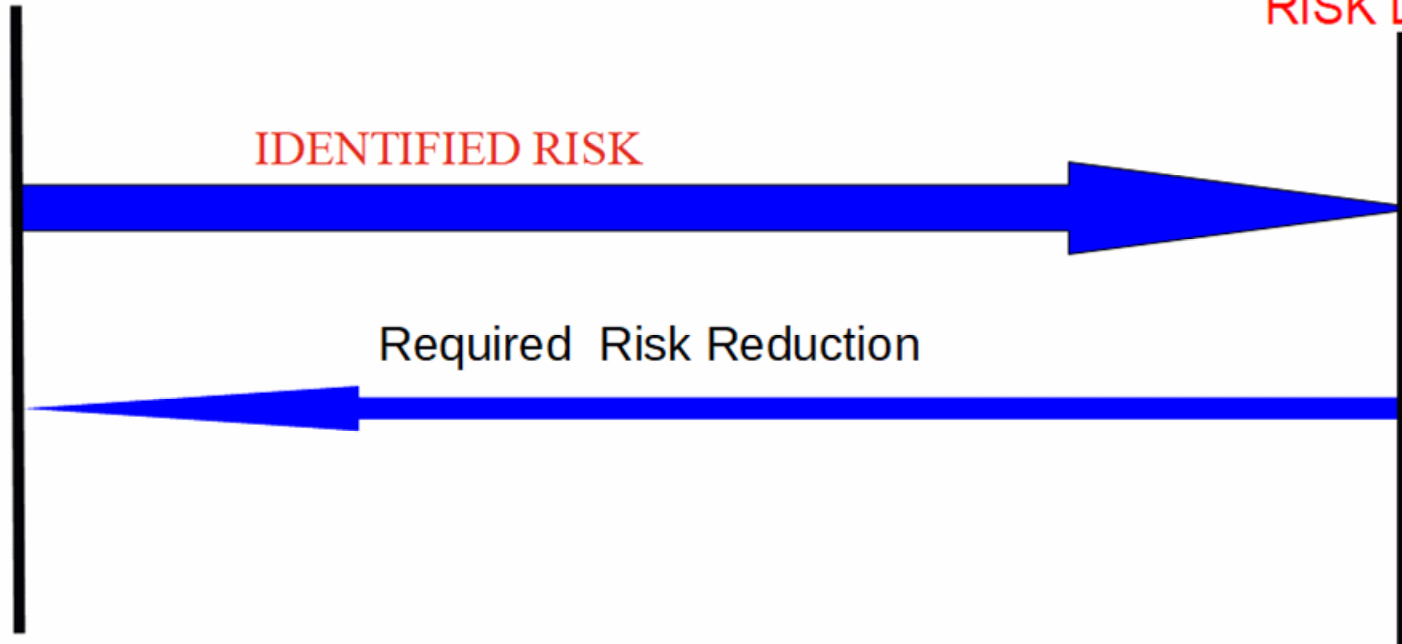
BS EN 61511:

*Hazard & Risk Analysis*

*HAZOP study (or similar) identifies a risk*

TOLERABLE RISK LEVEL

UNACCEPTABLE  
RISK LEVEL



*HAZOP study then list all the barriers and safeguards*

# The “Risk Gap”

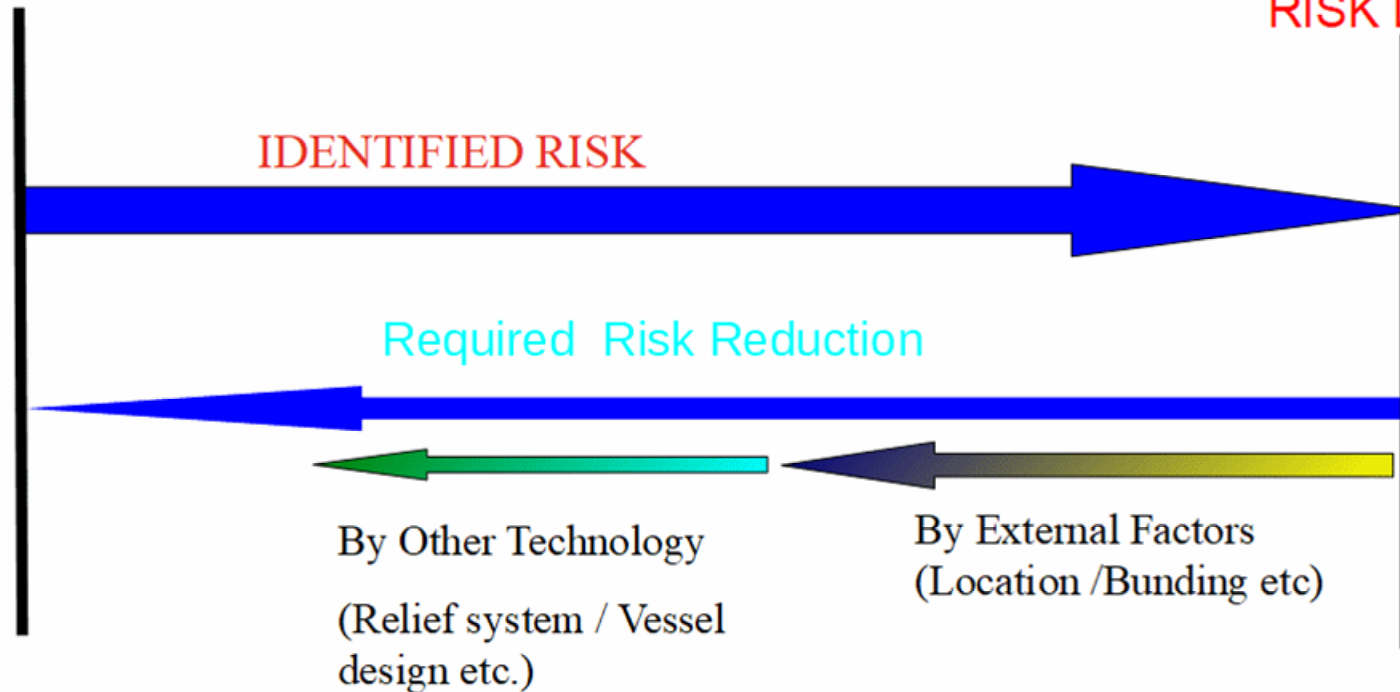


BS EN 61511:

*Hazard & Risk Analysis*

TOLERABLE RISK LEVEL

UNACCEPTABLE RISK LEVEL

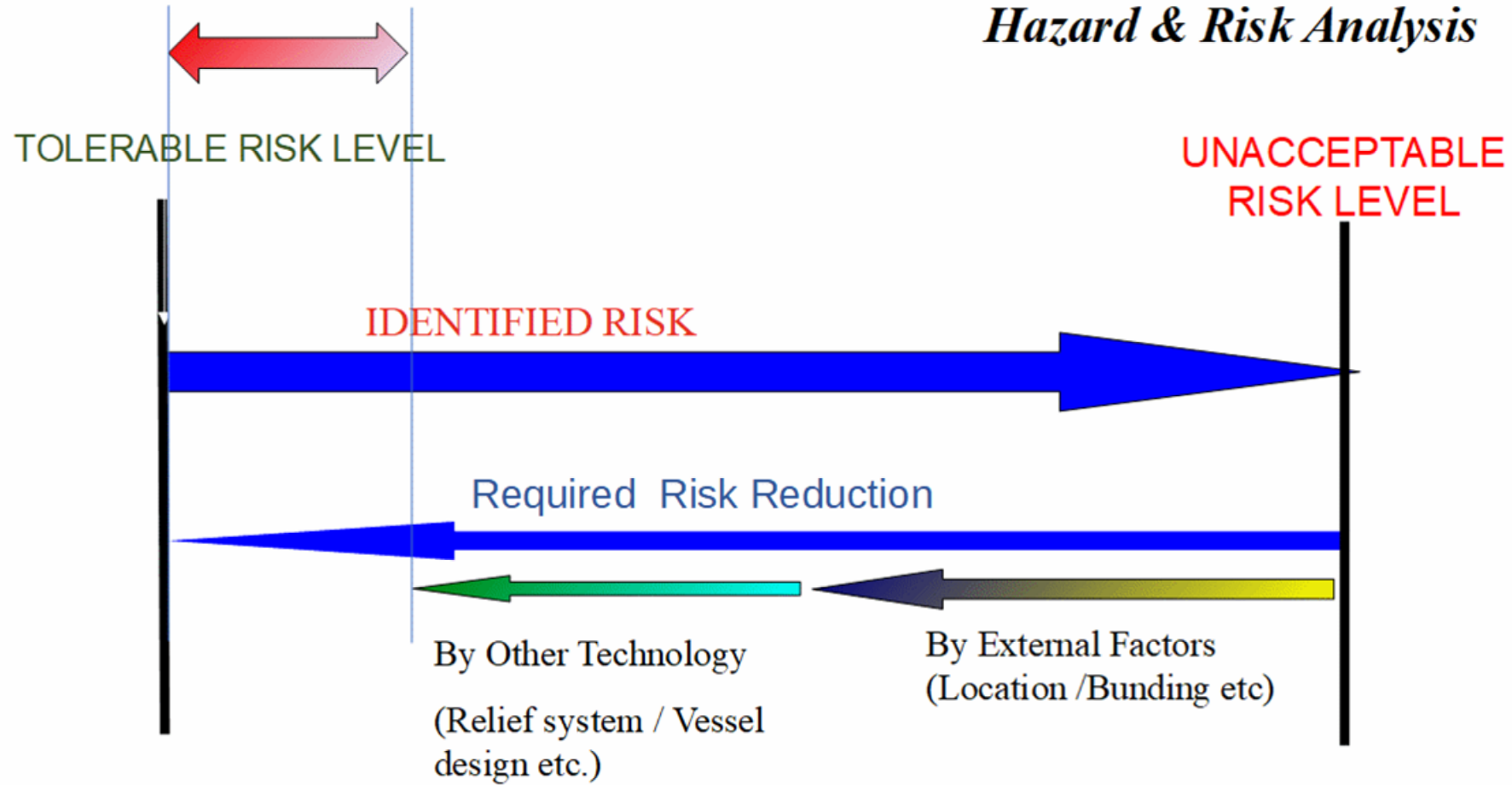


All the barriers and safeguards from the HAZOP study are then evaluated:  
*.....but there is still a gap to reach what is Tolerable*

# The “Risk Gap”

BS EN 61511:

*Hazard & Risk Analysis*

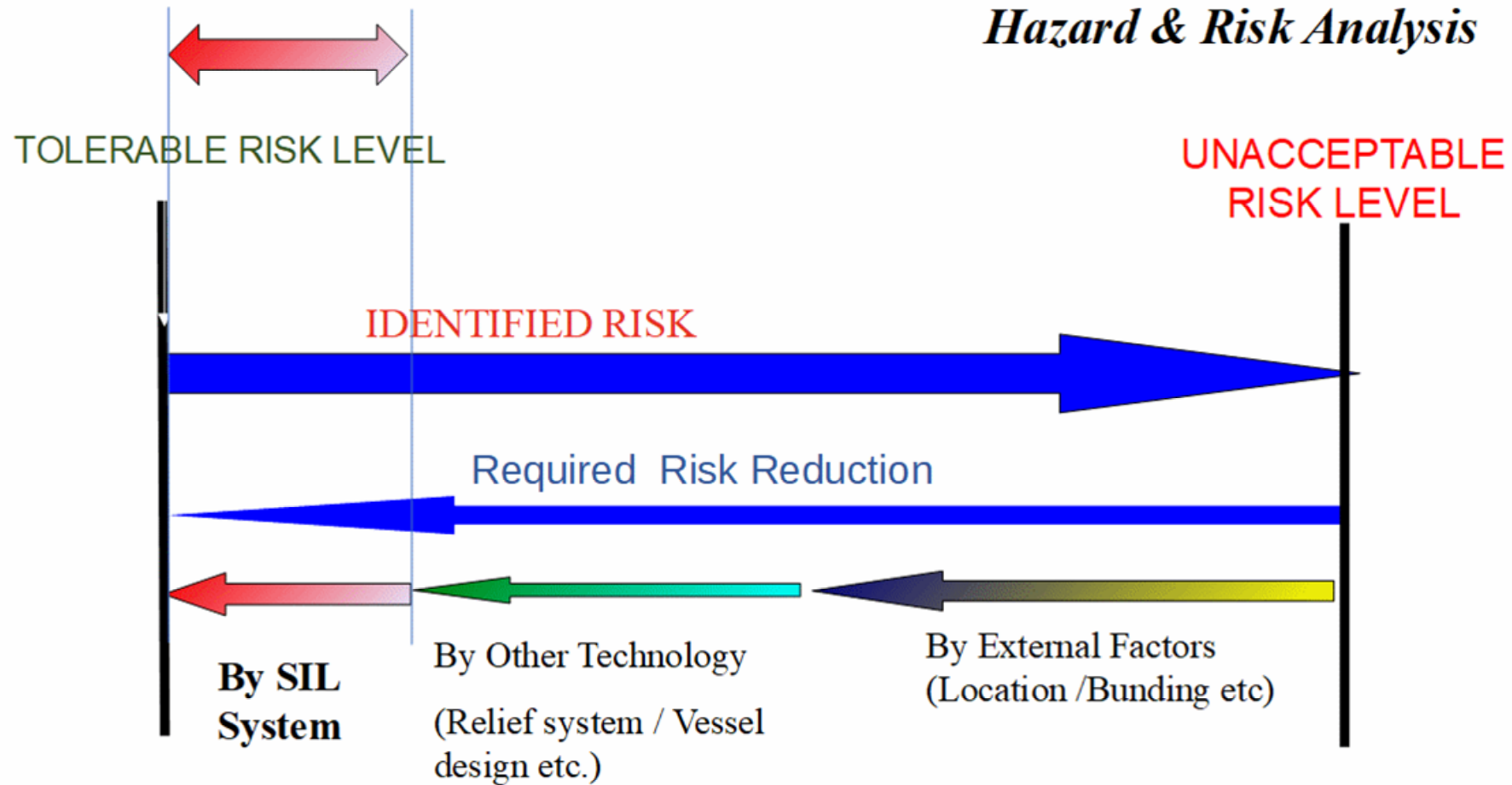


*The SIL rating is decided by the size of the “gap”:*

# Is "Risk Gap" > 10 ? Then a SIL is needed

BS EN 61508:

*Hazard & Risk Analysis*



# SIL covering the gap

