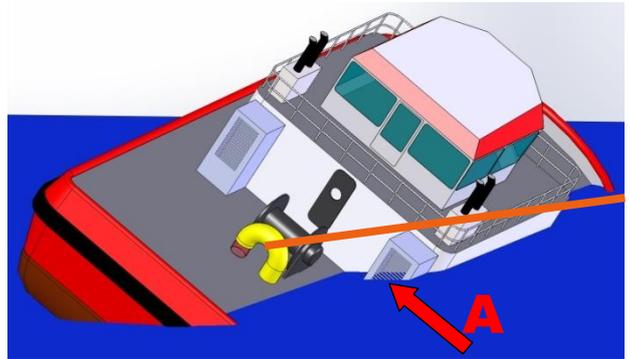


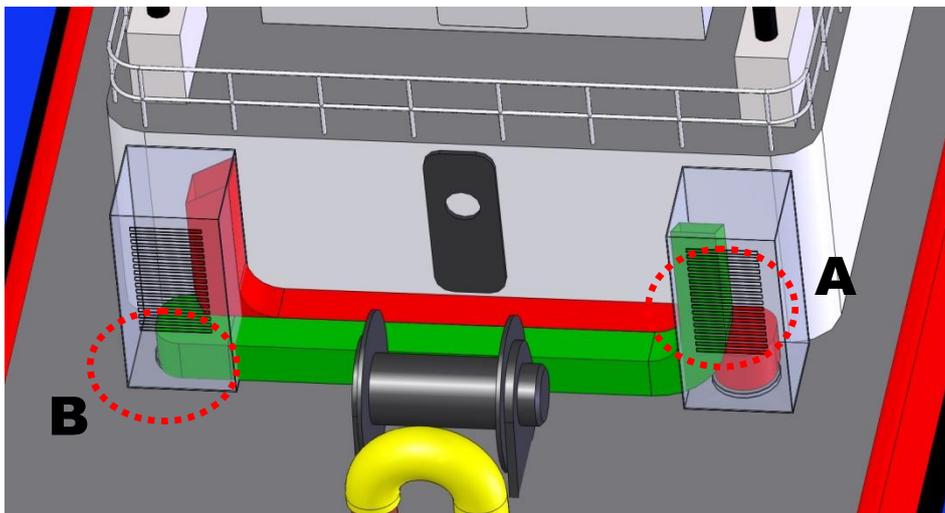
Background: Capsizing and sinking tugs by flooding Engine Rooms (ER)

- When a tug heels to large angles, rapid flooding occurs through deck ER vent (A)
- Flooding of large ER space leads to rapid sinking / capsizing with loss of lives.
- Although ER vents have been moved up to increase the heeling angle, there is presently no solution to prevent flooding a large angles up to 90° or higher.



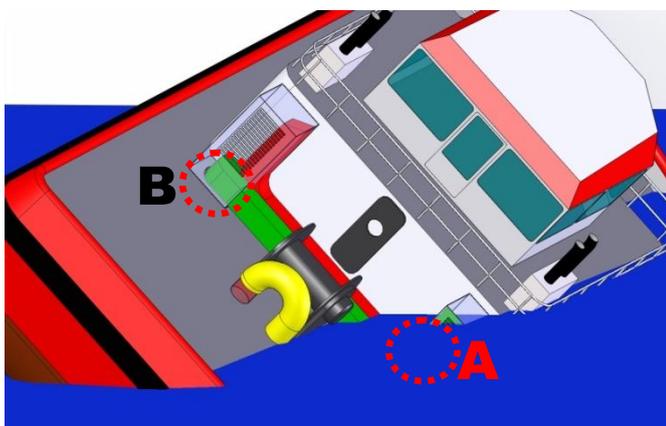
SAFERVENTS offers practical solution to prevent ER flooding through ER vents

- Safe and simple solution up to heeling angles of 90° or even more.
- Absolutely reliable solution without mechanical moving parts.
- Easy to integrate in design with low installation cost (even retro-fitting possible).

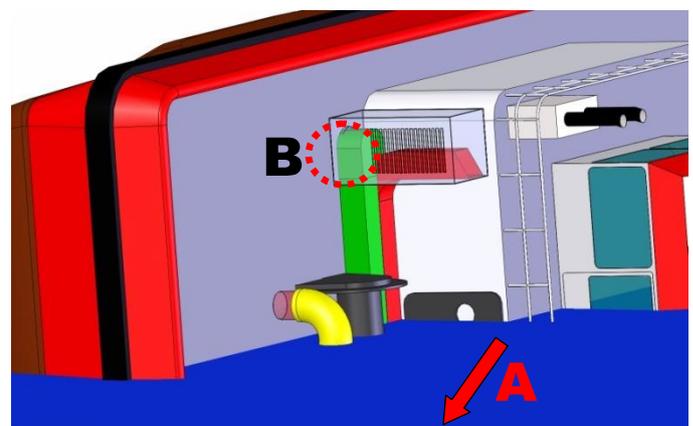


Safe and simple solution. Both deck vents are connected by watertight red and green cross pipes; 'Green' from the SB deck vent (A) to the PS opening into the ER room (B). (and 'Red' vice-versa).

**No mechanical parts
Always functioning !!**



Although SB ER vent (A) submerges, no water flows through green pipe into ER.



Even at 90° heeling angle, absolutely no water enters through large ER pipes

SAFERVENTS are **patented** technology www.SAFERVENTS.com
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