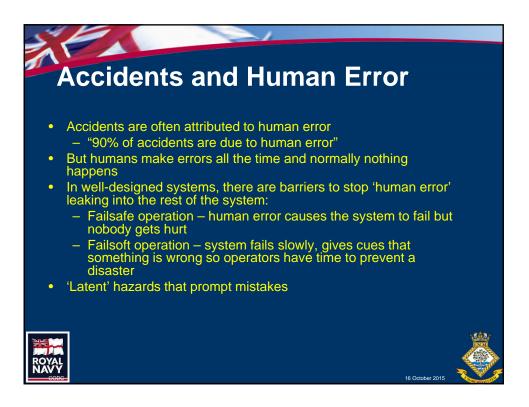
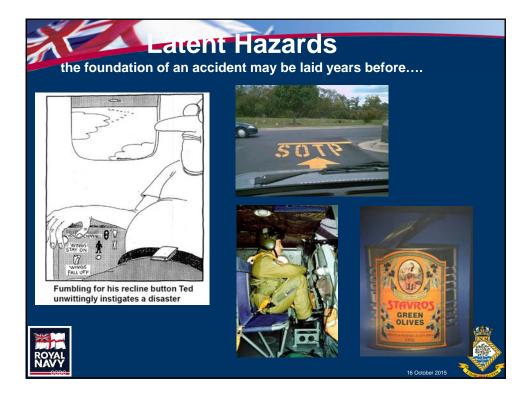
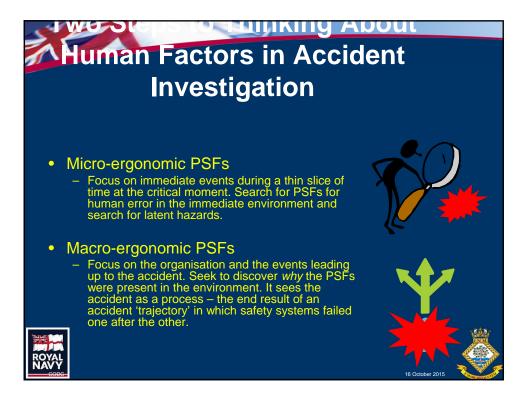
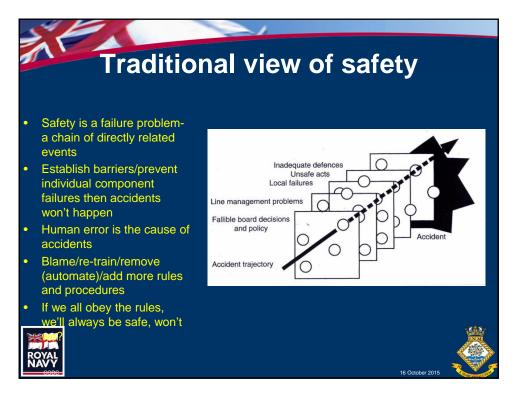


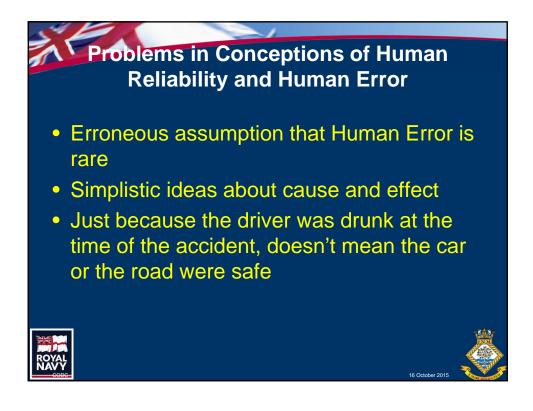
## Sources of Risk in Complex systems Hardware - normally low risk People - often get the blame System Crashes? Human Yes Interfaces: No Error? - New components incompatible Yes В А with old ones. No С D - Old components incompatible A - Blame the user with new ones. B - 'Unknown Unknown' Some components not C - Blame something else compatible with people D - Taken for granted



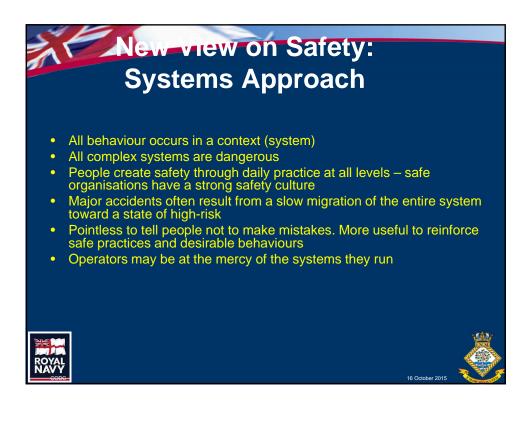


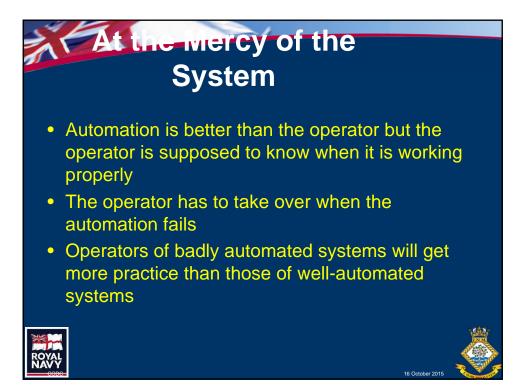


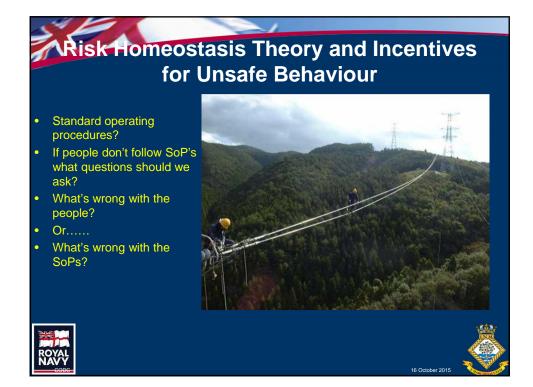










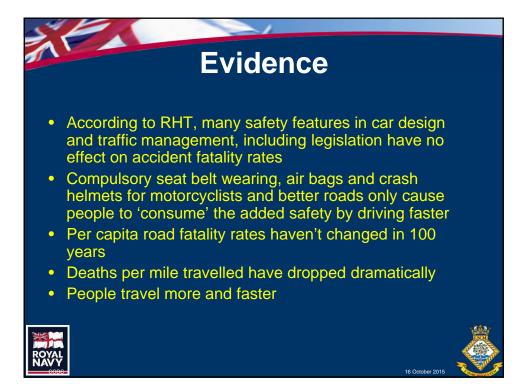


## **RHT and Accidents**

- Risk homeostasis theory was developed in the context of accident investigation
- It challenges the assumption that when we make one part of a system safer the number of accidents will drop
- RHT holds that people have a target level of risk that they are comfortable with. If there is a discrepancy between the target level of risk and their perceived level, they modify their behaviour accordingly
- What seem to be 'violations' are, to personnel, simply normal behaviours within their own 'comfort zone'









## Accident Case Study No 1: Herald of Free Enterprise



