

Safety Critical Systems

# NOTES

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# 1 | Introduction

This is my first attempt to make clean notes about what happened in class. In this document you will find notes about Safety Critical System Class 2020

## 2 | Class Introduction

### Safety Governance, Market Focused

- People buy things even if the probabilities of death are high.
- Imperfect information. Companies not telling the truth about safety of their products
- $\theta$  Third party effect. Does apply for market forces, because it does not affect the buyer
- Some of the companies who causes death to third parties, sometimes needs to pay for what their product caused

### Tort and Insurance

- Legal fees do not improve safety
- Some companies are just fine for what their product did, but that does not improve safety
- Companies often get insurance
- Moral hazard. When companies feel very protected when they are surrounded
- Government put limits (caps) to fines

### Different Format Regulation

- Government Organizations who prevents the sales of hazardous products
  - Standards and Organizations

### Mens Rea → Guilty Mind

### 2 types of processes

1. Product base Standard
2. Process base Standard