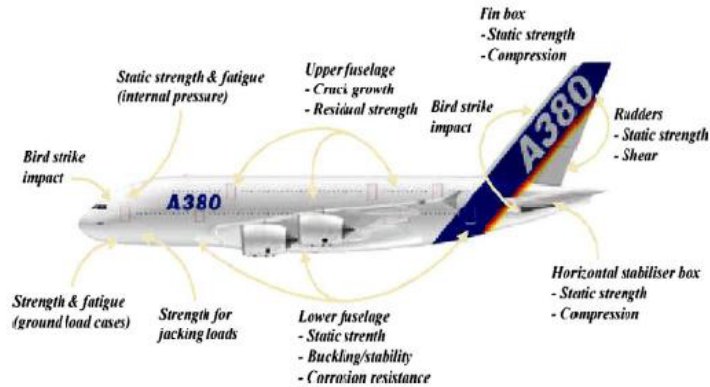
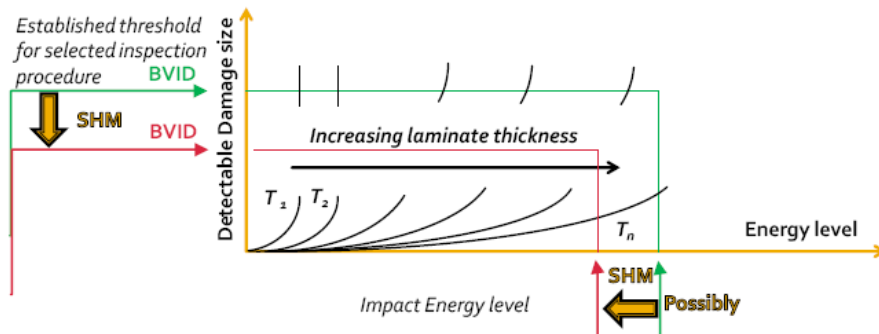
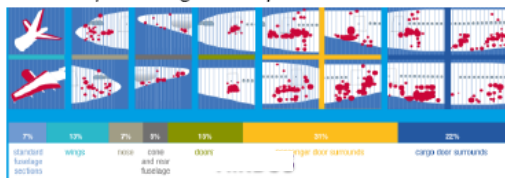


Damage Tolerance Assessment

- **Damage Tolerance** : ability of the design to prevent structural cracks from precipitating catastrophic fracture when the frame is subjected to flight or ground load
- **Fail-safe**: structure must be evaluated to assure that catastrophic failure is not probable after fatigue
- **Safe-life**: structure has been evaluated to be able to withstand the repeated loads or variable magnitude expected during its service life without detectable cracks



Types of Impact on Aircraft



Will the use of sensors on panels provide the information we need to reduce the maintenance costs and weight while increasing/maintaining safety?