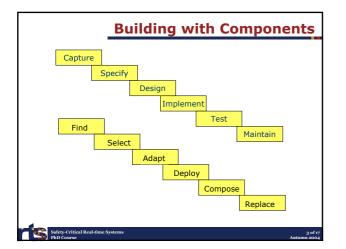
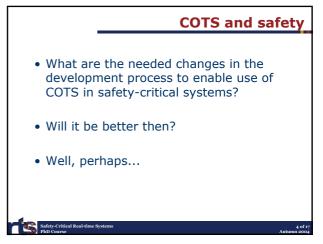
A new trend?

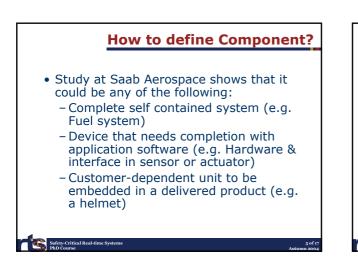


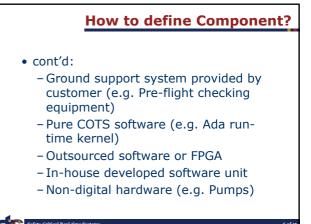
By using COTS or Nondevelopmental Item (NDI) hardware, software, and formally verified microprocessors and real-time kernels ..., one can leverage the industry's large investment ..., essentially having others perform fault removal for free. Unfortunately, the tradition for building safety-critical systems ... is just the reverse...

[Lala and Harper 1994]









In SE literature

• COTS typically refer to bought-in components with no access to source code

- Mostly on mechanics on deploying and composing components
- Recent debate on how to adapt the development process and metrics

In systems safety

- The first five types of component:
 - Change of supplier means a "new" components. All assurance steps have to be repeated.
- For pure COTS software, one has to ensure that additional functions present in the product are not detrimental to safety!

