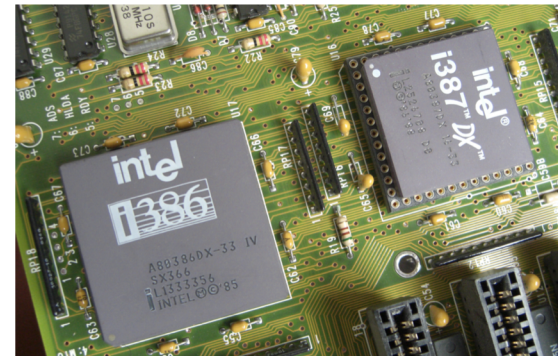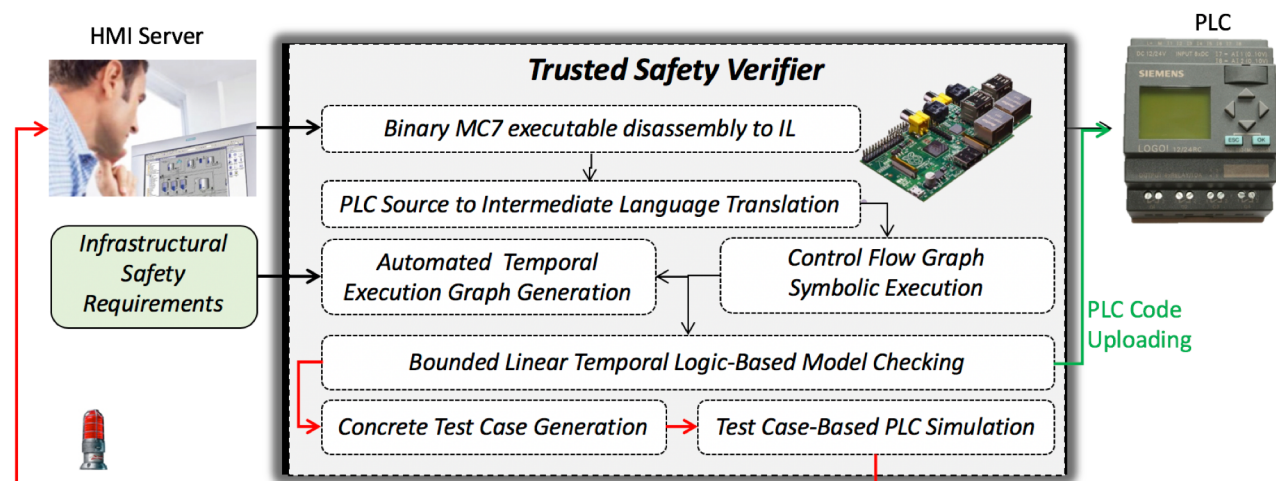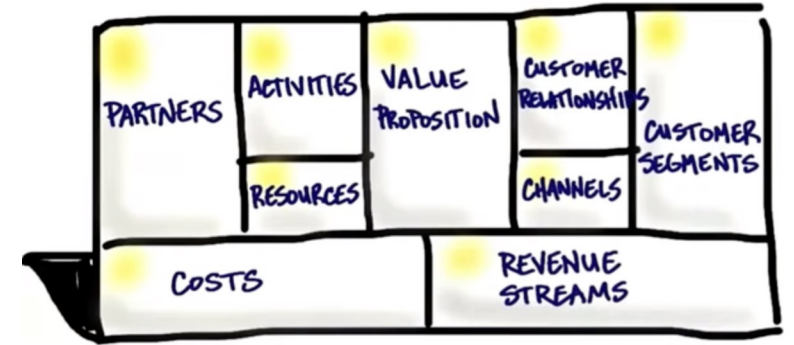# Sekurity LLC

- Need: Security Protection of the ICS Networks and Controllers
  - Against attacks such as BlackEnergy3 (Ukraine) and Stuxnet (PLC worm)
- Solution:
  - Physics-aware controller software security analysis using formal methods
  - Intrusion detection based on the physical plant sensor-actuation signals

Journey...

- 2014
  - Joined Rutgers University
  - Our PLC code analysis paper published at NDSS
  - NSF CPS grant approved (w/ Kate Davis and Pete Sauer)
  - DOE CREDC grant approved with tech-transfer focus
- 2015-2017
  - Started tech-transfer with Siemens (in parallel to NSF project)
  - 3 internships @ Siemens

- 2018
  - Founded Sekurity LLC
  - Completed NSF I-Corps program
  - Completed DHS SBIR Phase I
  - Current: 3-year DOE project
  - First paying customer: Siemens
  - Second upcoming: MITRE
  - Invited to submit Phase II proposal
  - ...