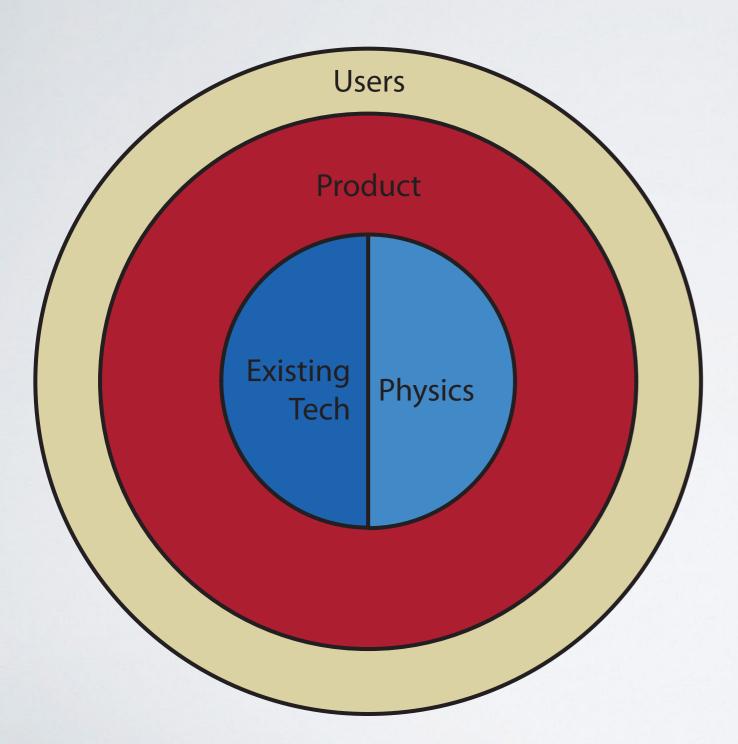
HARDWARE DEVELOPMENT PROCESS

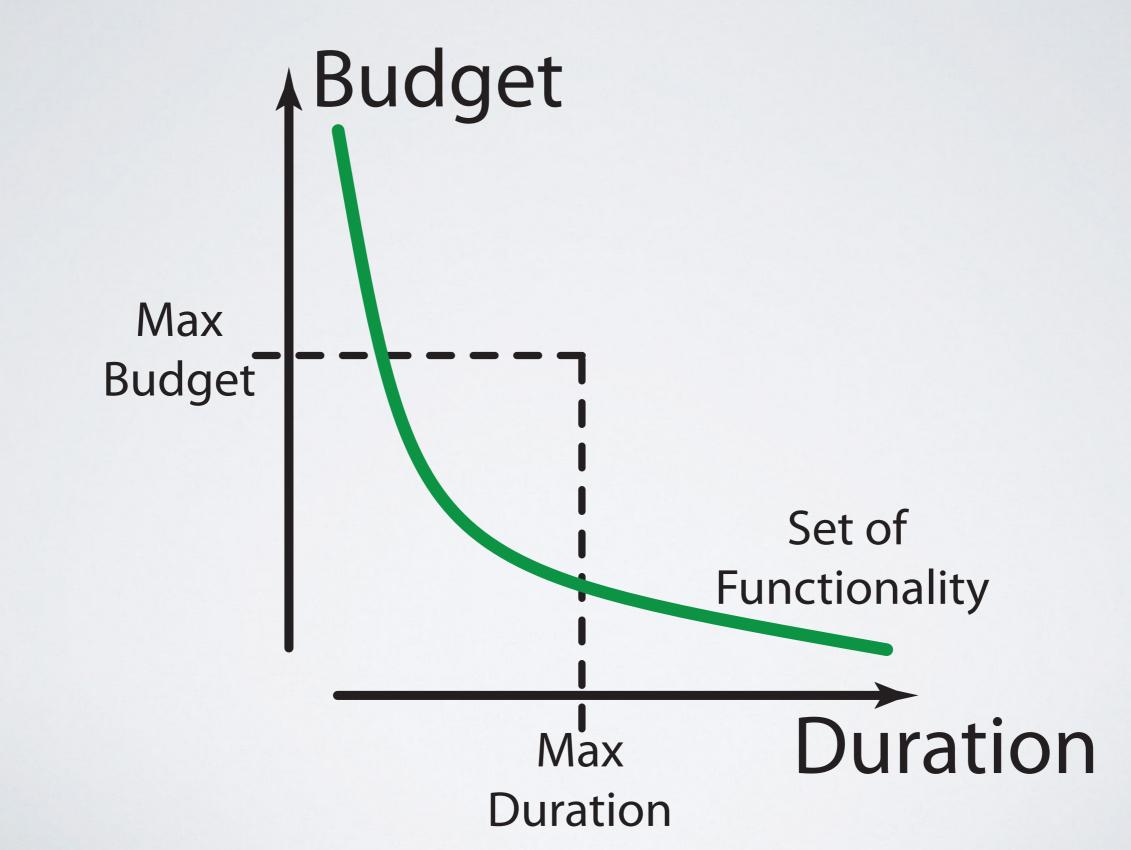
The Engineer Accelerator Malcolm Knapp

WHAT IS THE GOAL OF THE HARDWARE DEVELOPMENT PROCESS?



TO REALIZE A SPECIFIC FUNCTIONALITY WITHIN A CERTAIN TIME AND BUDGET

COST/DURATION TRADE OFF



WHAT IS THE GOAL OF THE HARDWARE DEVELOPMENT PROCESS?

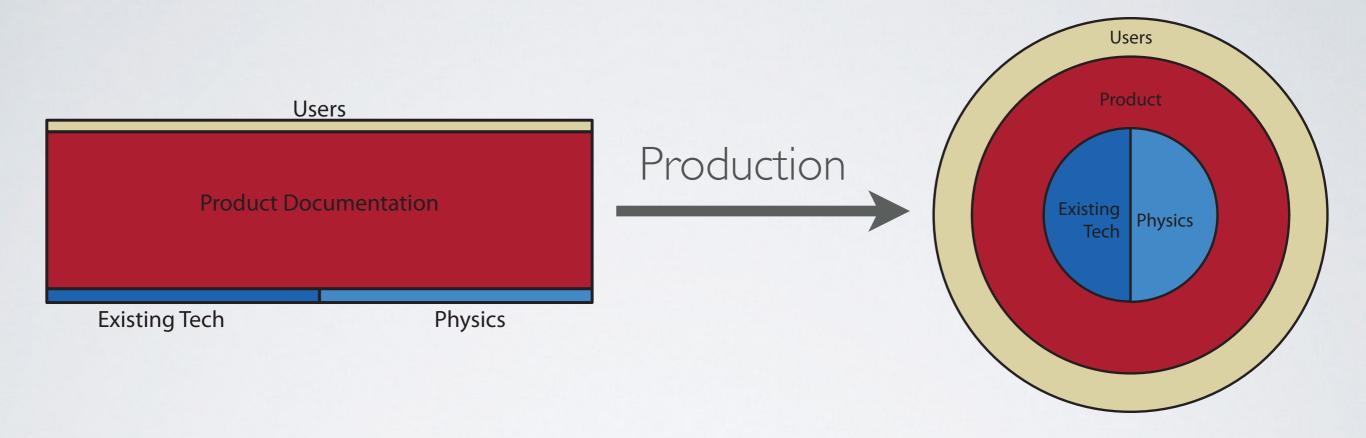
Product Documentation

Existing Tech

Physics

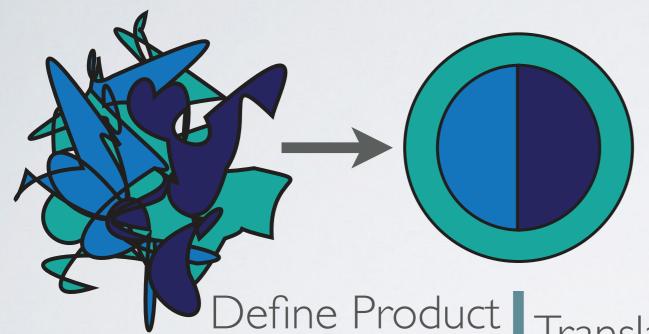
TO CREATE SET OF DOCUMENTATION THAT ACCURATELY REPRESENTS A PRODUCT WITH A DESIRED FUNCTIONALITY

WHAT IS THE GOAL OF THE HARDWARE DEVELOPMENT PROCESS?



TO CREATE SET OF DOCUMENTATION THAT ACCURATELY REPRESENTS A PRODUCT WITH A DESIRED FUNCTIONALITY

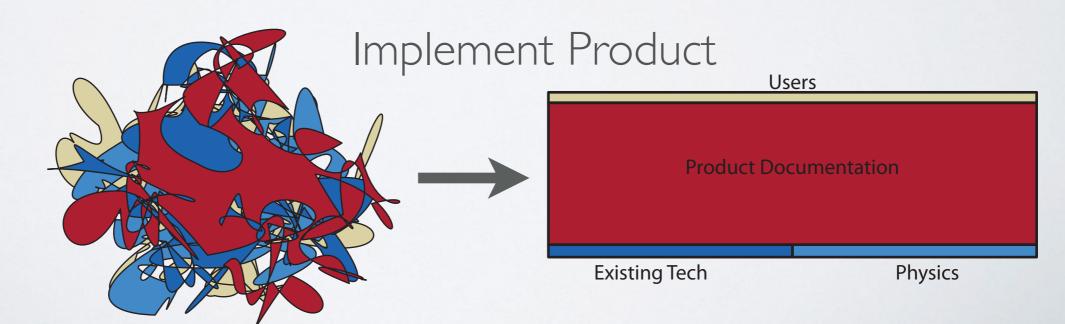
WHAT IS THE HARDWARE DEVELOPMENT PROCESS?



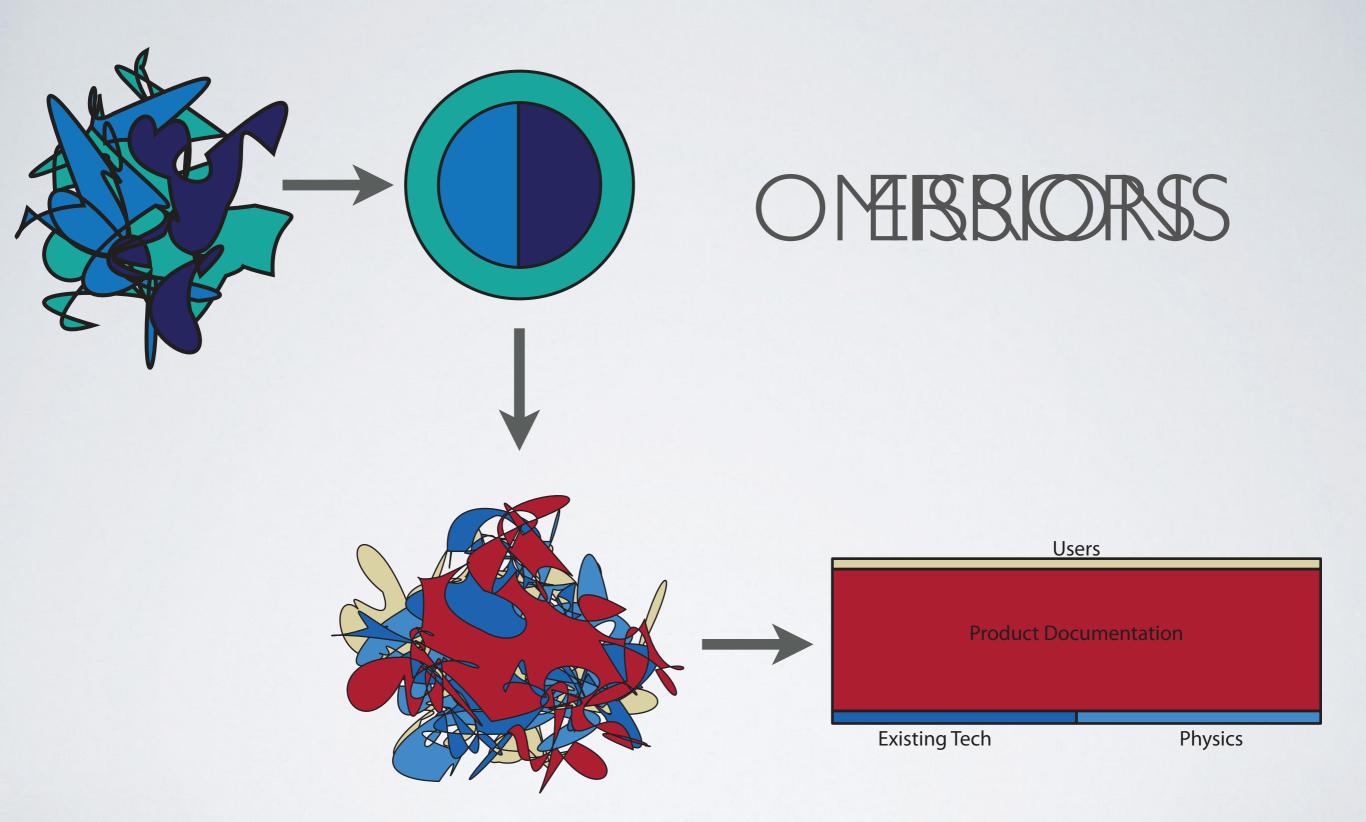
IT IS THE FILTERING AND ORGANIZATION OF RELEVANT INFORMATION

Define Product Translate Definition

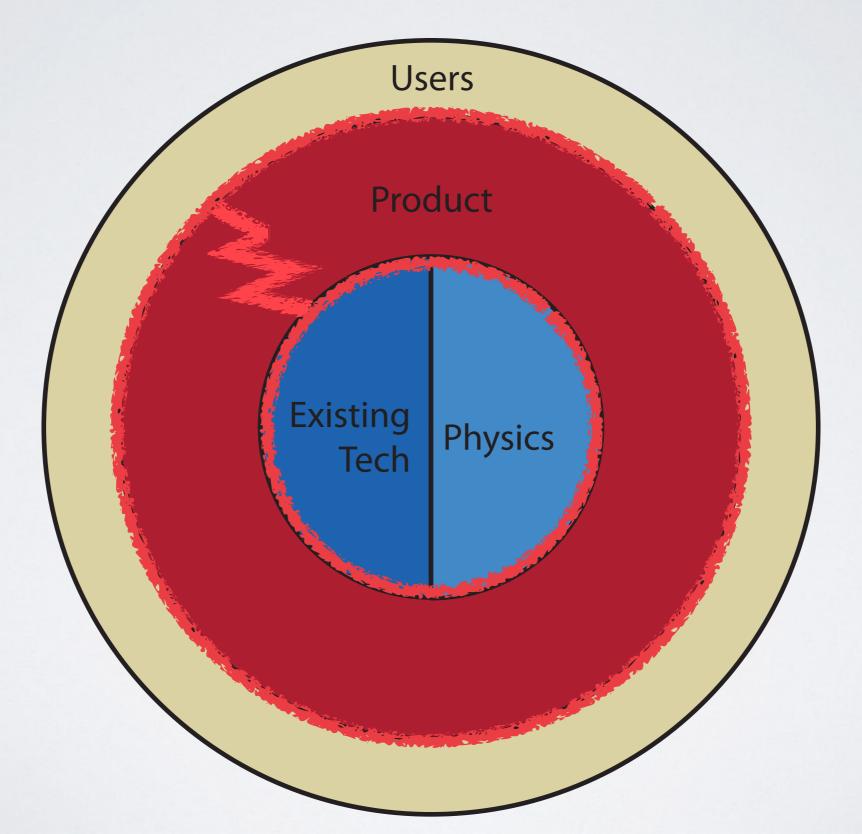
Object Space



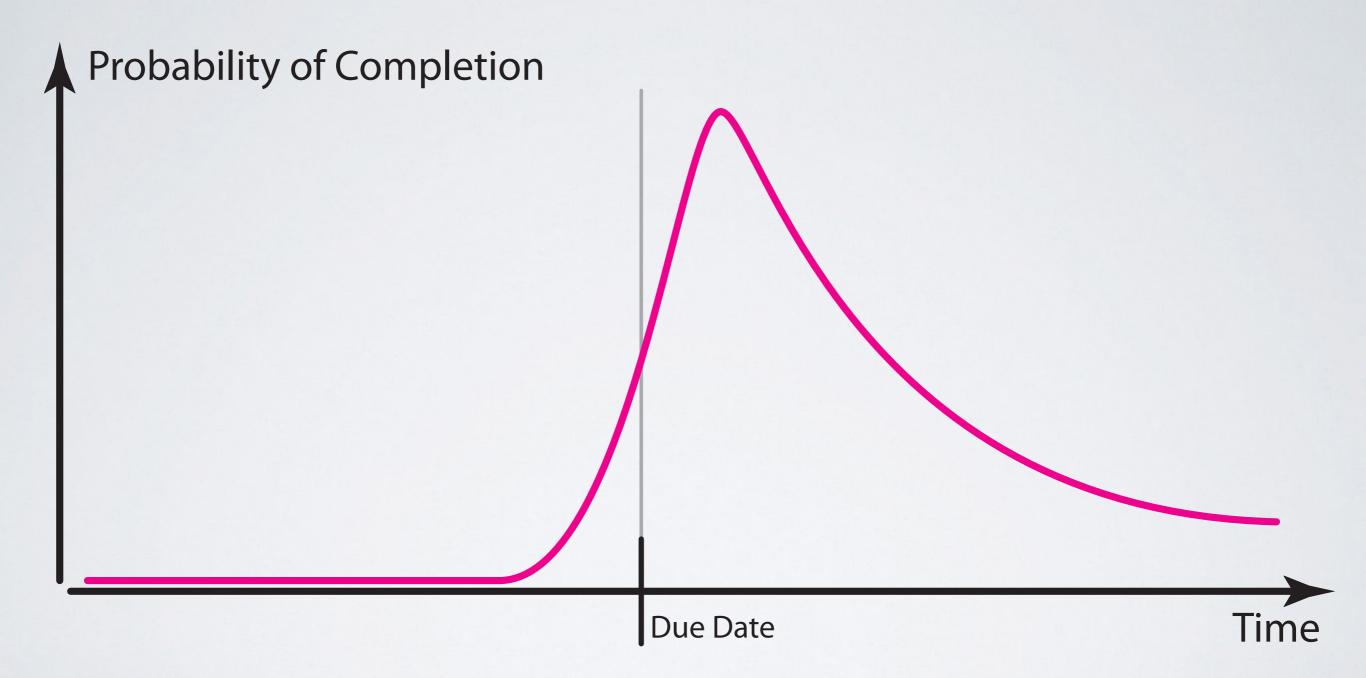
THIS IS PROCESS IS MESSY



DESIGN CONFLICTS



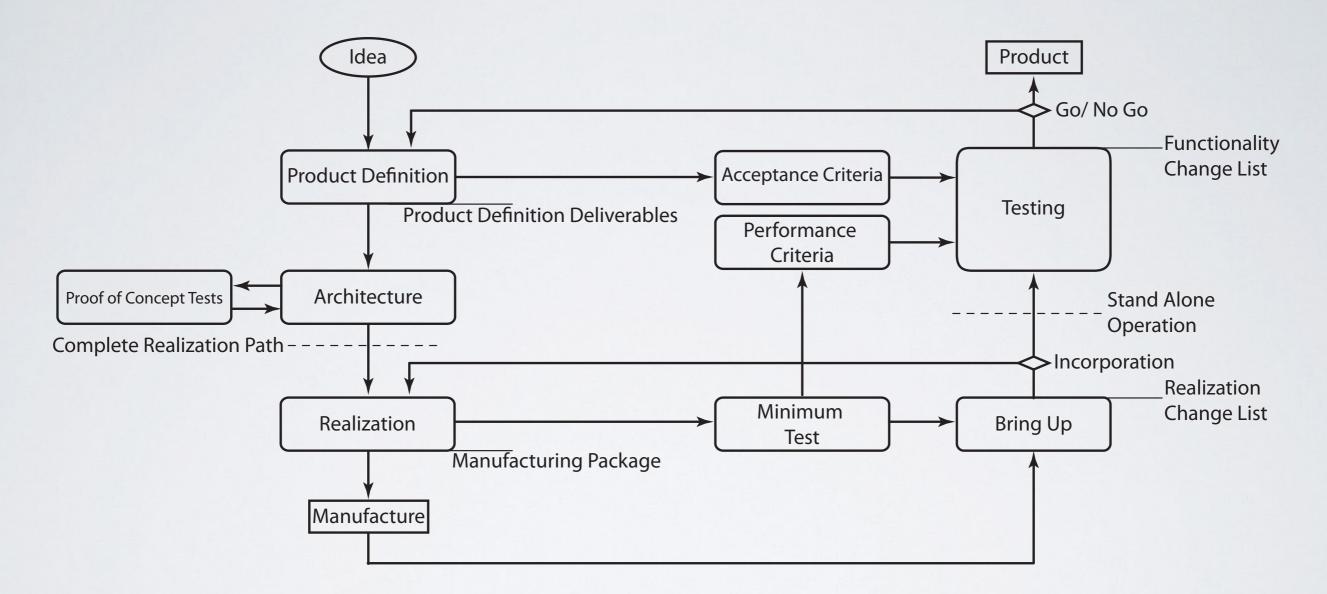
DELAYS

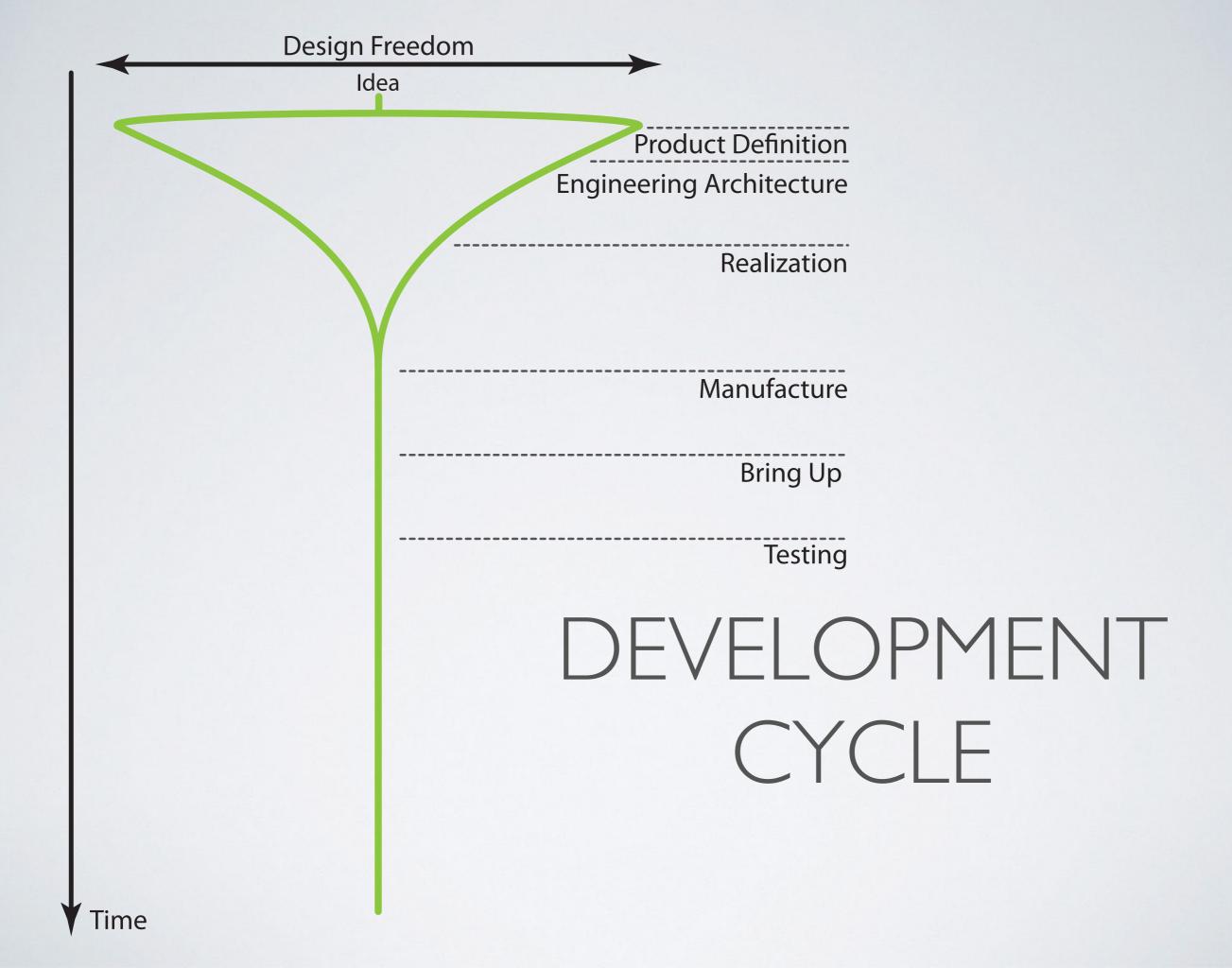


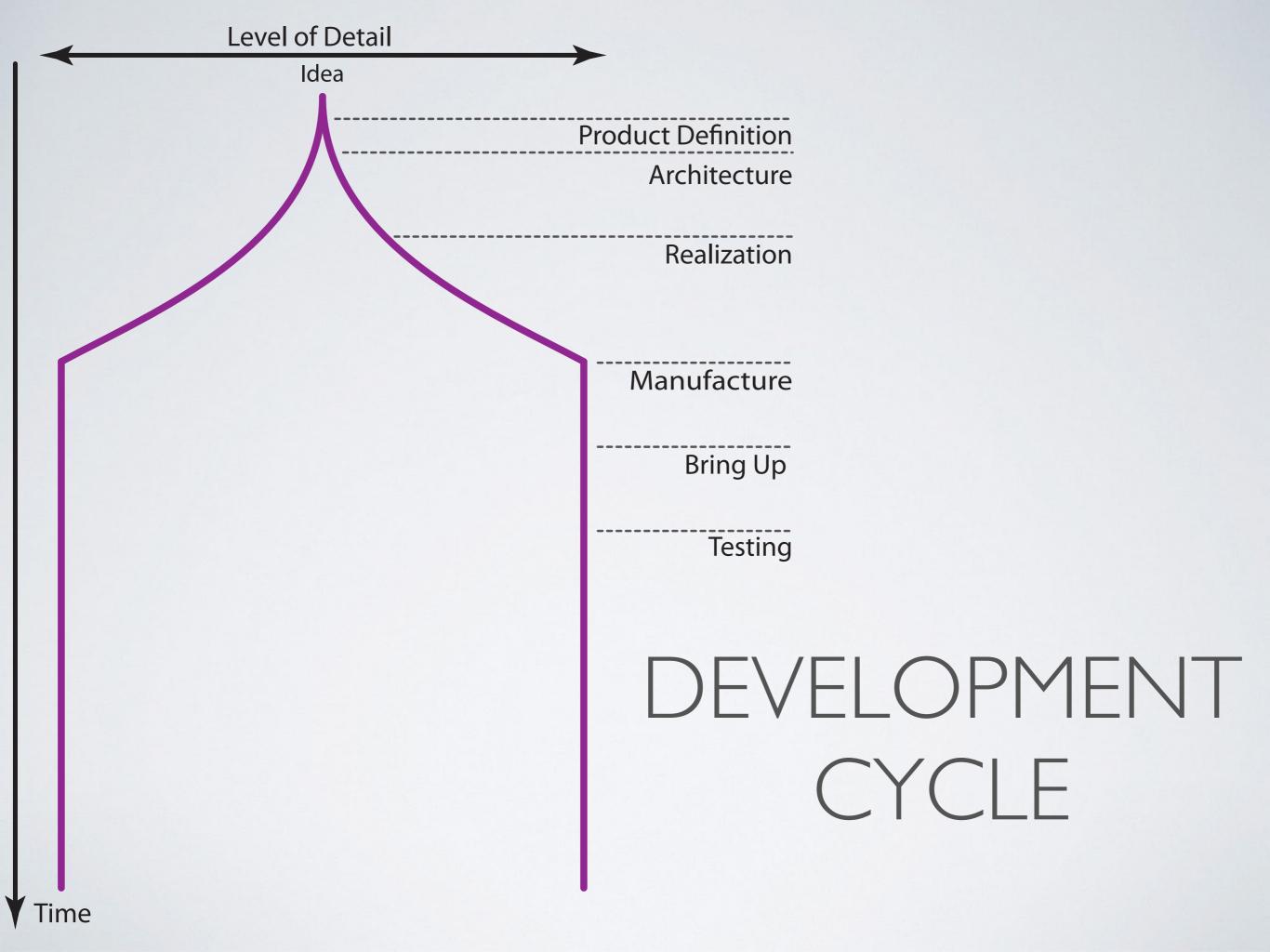
MITIGATION

- Structured Process
- Formalized Communication
- Standardized Documentation
- Design Reviews

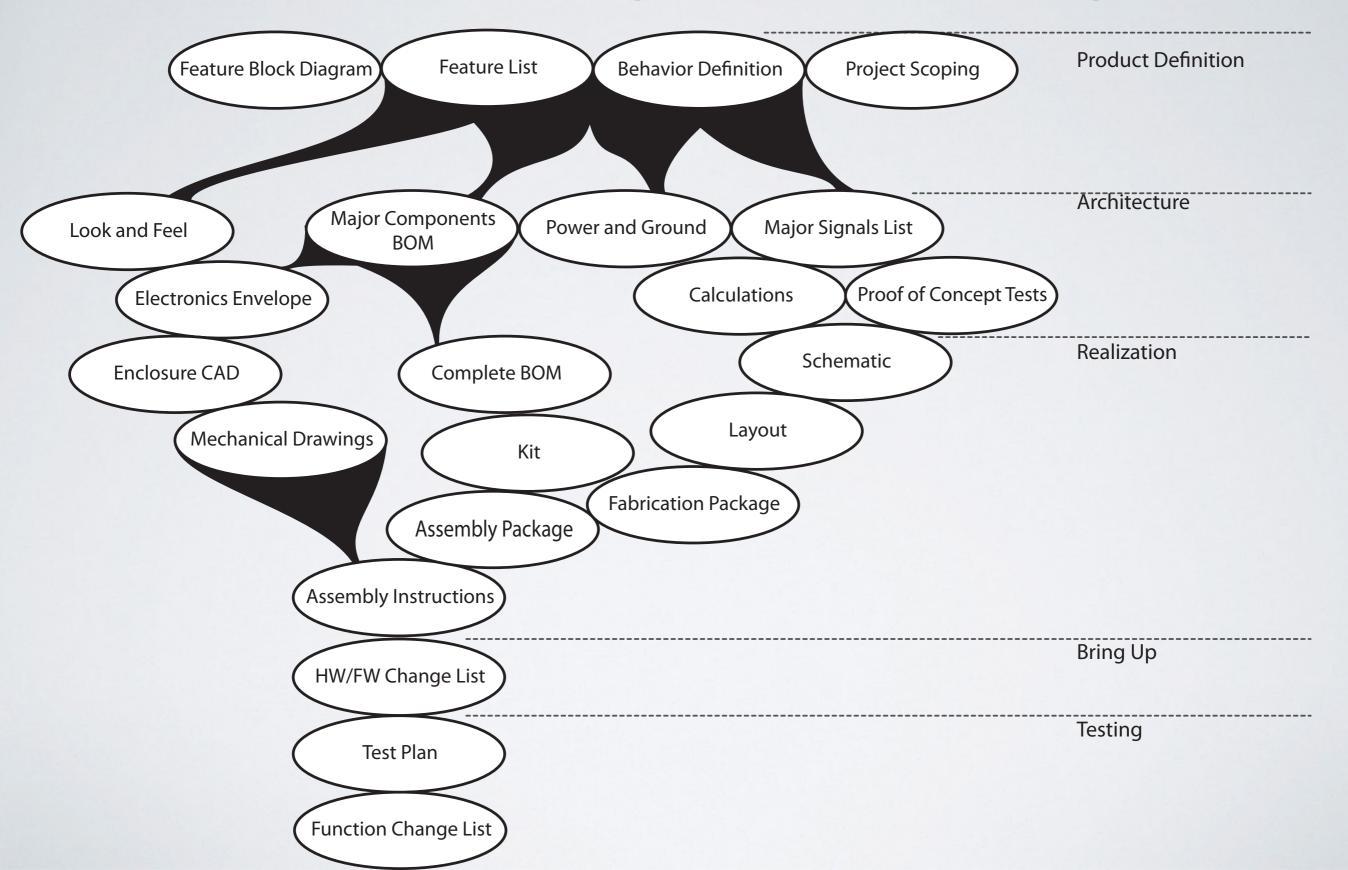
DEVELOPMENT CYCLE

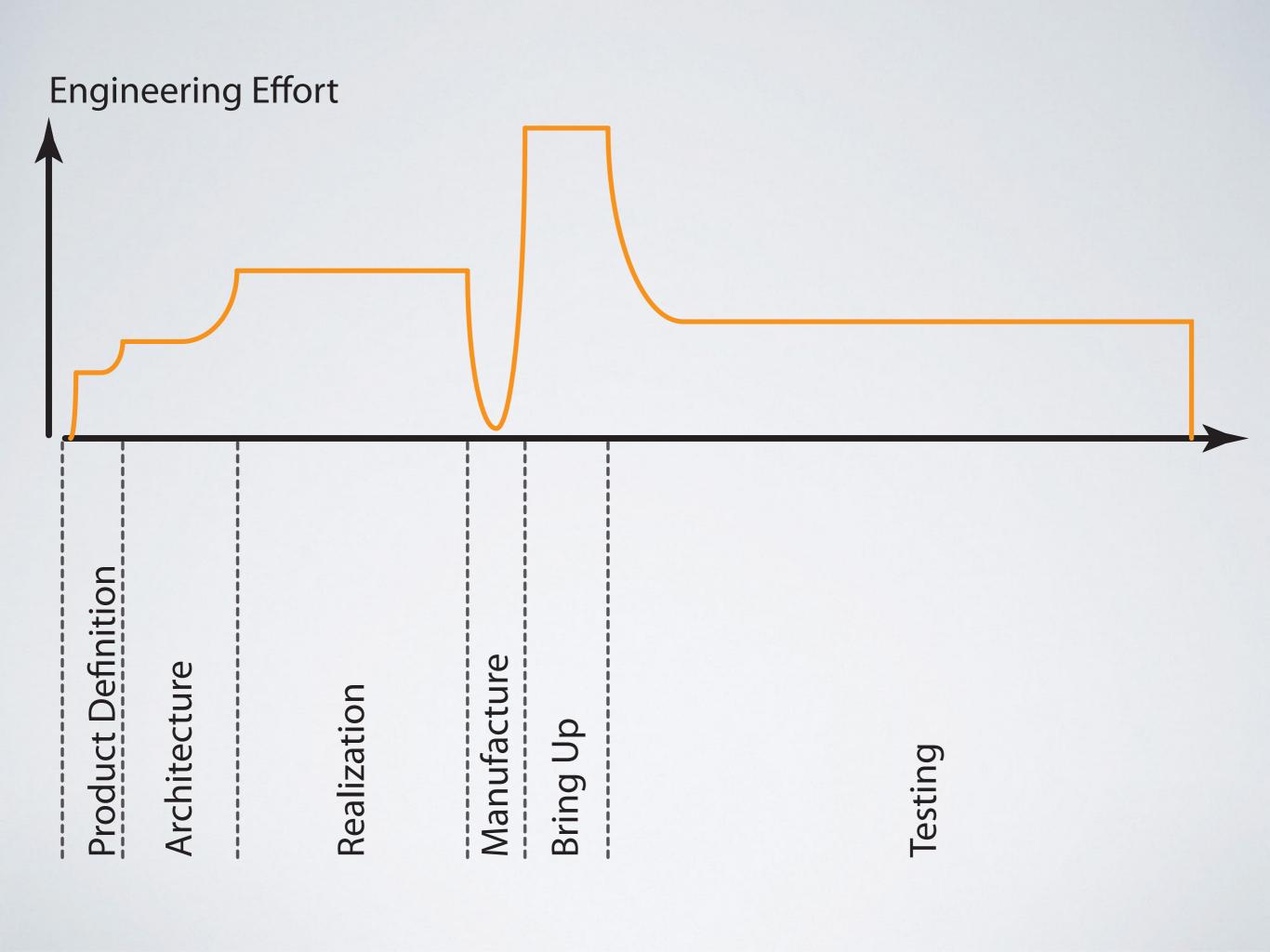


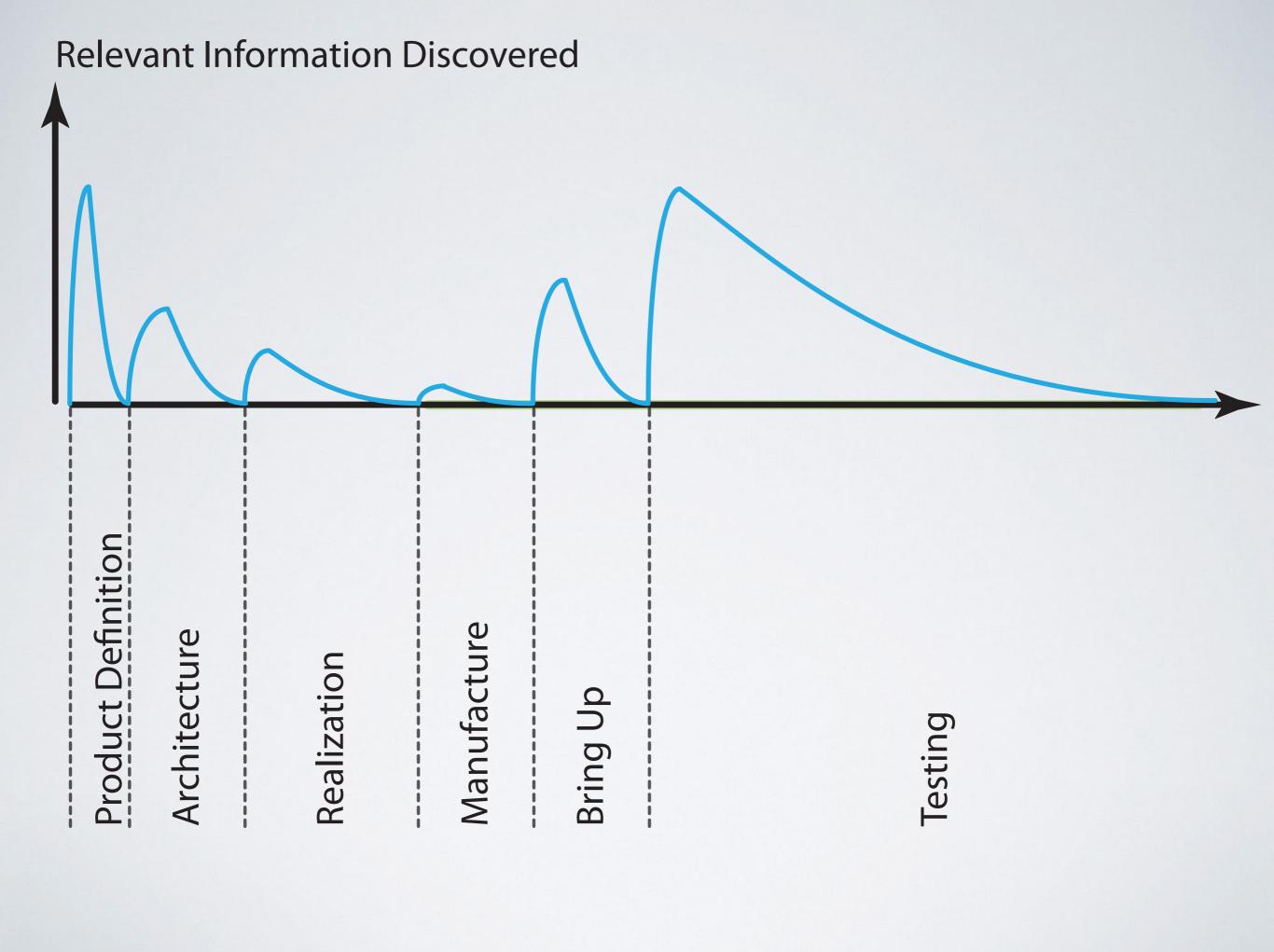


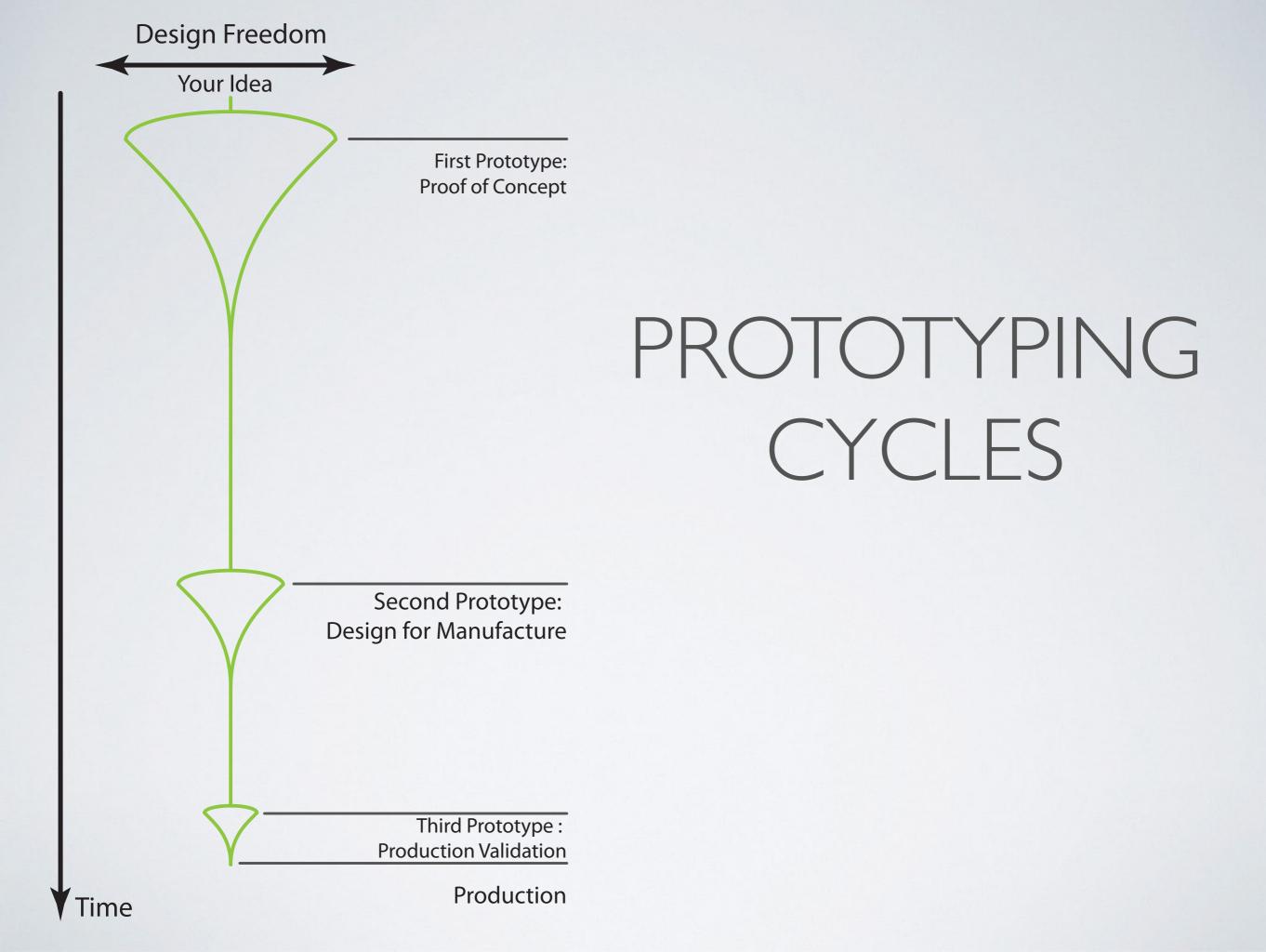


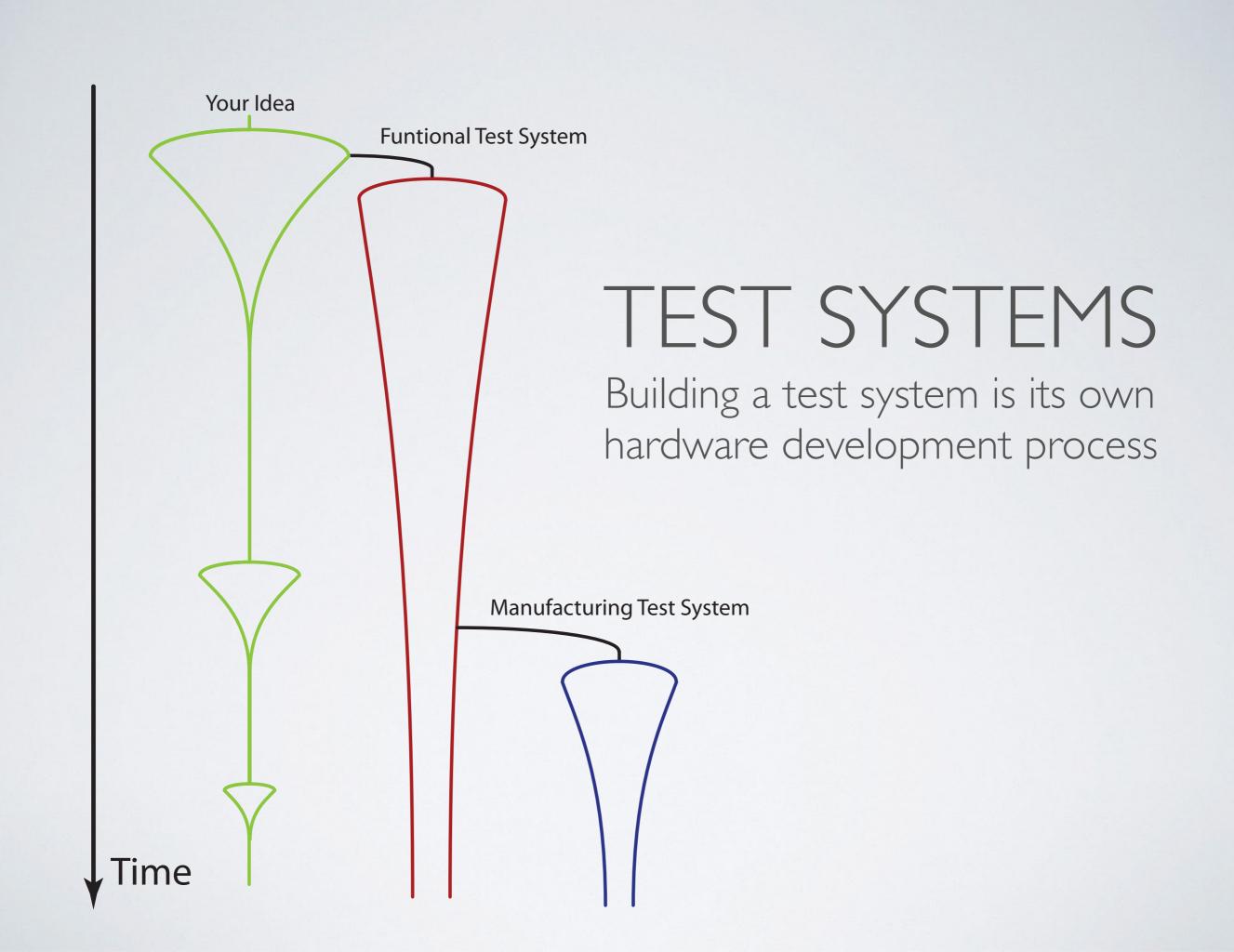
DEPENDENCY HIERARCHY

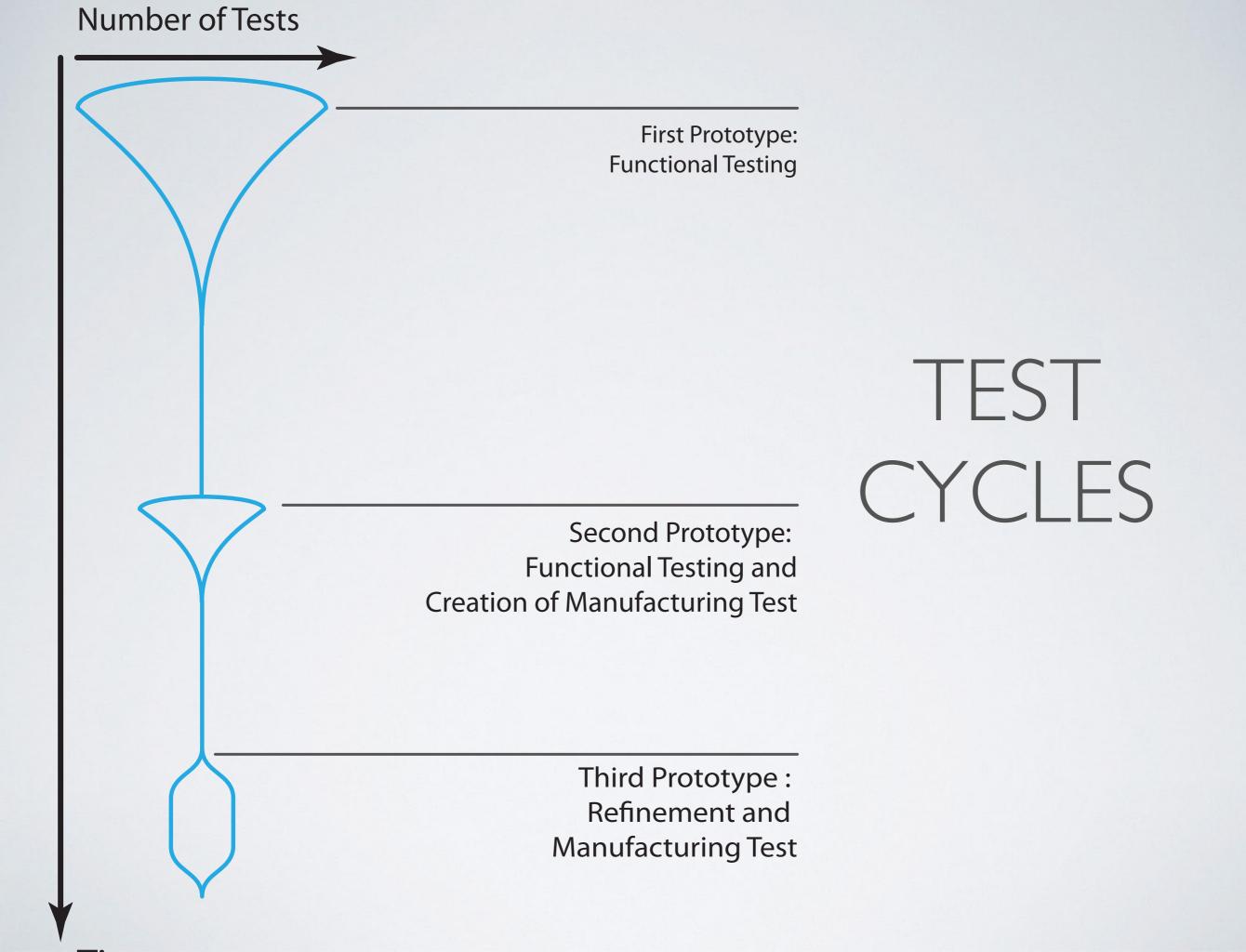


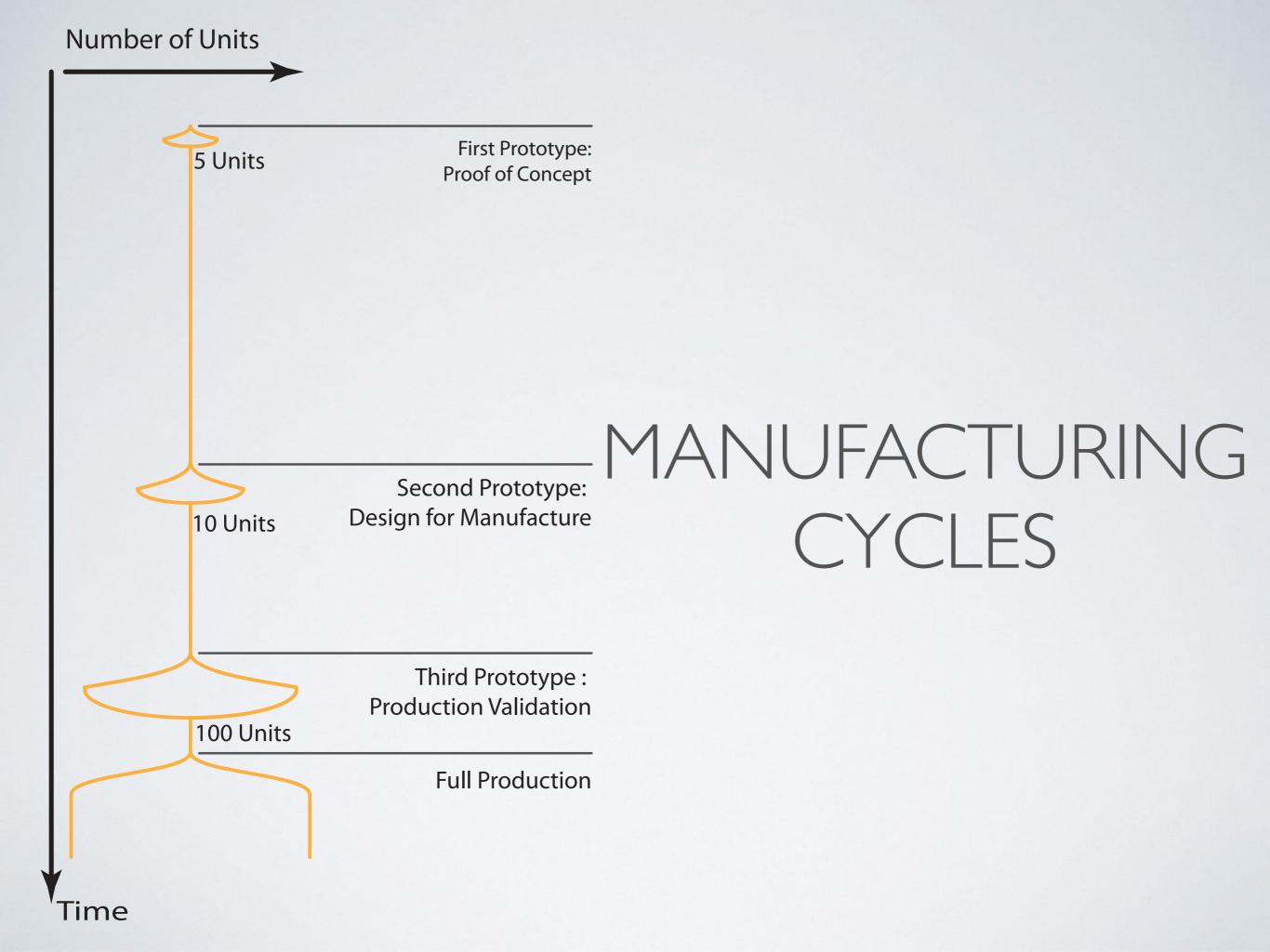














THE HARDWARE DEVELOPMENT PROCESS