

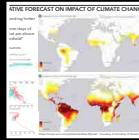
## Example Capabilities

# Design Engineering

### PLANNING

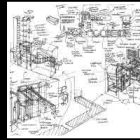
### SYSTEMATIZATION

### INSTANTIATION

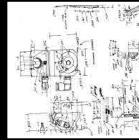


**Problem Definition**  
 Show it Tell it

**CONSIDERATIONS**  
 PROBLEM IS IT A PROBLEM WORTH SOLVING? (A) CONSIDERING THE DESIRED MATERIALS, TOOLS & OF VARIETY AND COMPLEXITY  
 GOVERNMENT AGENCIES, COLLEGE COURSES  
 COSTS, PRODUCT DEVELOPMENT, TOOLING, CROWN  
 EDUCATION, MARKETING  
 COMPETITION, MFG. COSTS, KEYS, ANY COSTS  
 INTELLECTUAL PROPERTY RIGHTS (S) (M) (S) (S) (S)  
 SUSTAINABILITY, COLLABORATION, REDUCTION OF COMPLEXITY  
 INCLUDING DIRECT FROM COSTS, BEAN MARKET



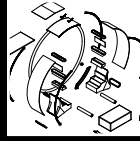
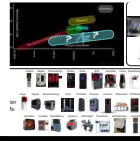
**Design Formulation**  
 Sketch it Brand it



**Reverse Engineering**  
 Measure it Model it



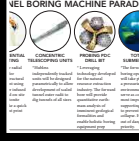
**Parametric Scoping**  
 Frame it Plot it



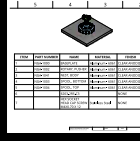
**Explosion Diagramming**  
 Expand it Name it



**CAD**  
 Click it Draw it



**Domain Research**  
 Relate it Map it



**Block Architecture**  
 BOM it Illustrate it



**Preliminary Sourcing**  
 Spot it Get it



## Design for Manufacturing

### PROTOTYPING

### SETUP

### FABRICATION



**Quickturn Machining**  
 Turn it Extrude it



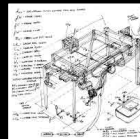
**Factory Planning**  
 Arrange it Rearrange it



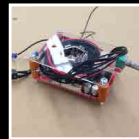
**Housings**  
 Cast it Bend it



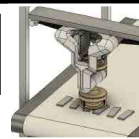
**Making Parts**  
 Template it Just Make it



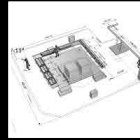
**Process Development**  
 Parametrize it Automate it



**Electronics**  
 Pack it Place it



**Construction**  
 Dress it Pin it



**Facility Buildout**  
 Design it Build it



**Components**  
 Mill it Forge it

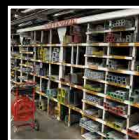


## Manufacturing Execution

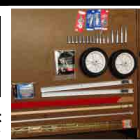
### PRODUCTION

### ASSEMBLY

### DELIVERY



**Procurement**  
 Source it Knoll it



**Instructional Design**  
 CAM it Diagram it



**Freight Engineering**  
 Crate it Box it



**Operations**  
 Cut it Brake it



**Quality Control**  
 Stack it Array it



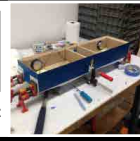
**Shipping**  
 Fork it Chase it



**Finishing**  
 Prime it Plate it



**Packaging**  
 Press it Close it



**Installation**  
 Fix it Boot it

