Driving a strategic vision...

- Globalized economy
- Workforce erosion
- Natural resource competition
- Pressure to go “green”

- Relevant expertise is expensive
- Net-centrism for design & production
- Customization is the critical competitive frontier
- Information security a key concern

- Clockspeed becomes the vital measure
  - Warfighter response to threats
  - IB response to warfighter needs
  - Smaller lots, short production runs
  - Rapid maintenance turnaround

- Small Air Force
- UAS is dominant
- Irregular warfare
- Net-based operations
- Precision engagement

Next Generation Agile Manufacturing
AF ManTech Strategy

Moving Manufacturing Left
- Sponsor early development of game-changing mfg technologies and partner with academia and small business on high risk/high payoff opportunities
- Develop tools and methods that promote early consideration of mfg implications during concept development

Cradle To Cradle Digital Thread
- Increase digital density across life-cycle and ensure wide access to the same computer-based technical data/description of the product
- Enable increased reusability of materials and components, and optimize impact on the environment

Responsive, Integrated Supply Base
- IB capabilities and risks are known, available, and integrated into product development
- 21st century supply chain mgmt principles
- Capability for rapid formation of global partnerships
- Efficient information flows

Next Generation Agile Manufacturing

Factory of the Future
- Next gen mfg technologies developed with process and cost models -- drive the factory and feed the Digital Thread
- Lean & agile, lot size insensitivity
- Green wrt the factory footprint
- Robotics and next gen automation
- Advanced/ wireless factory C2

Next Generation Agile Manufacturing