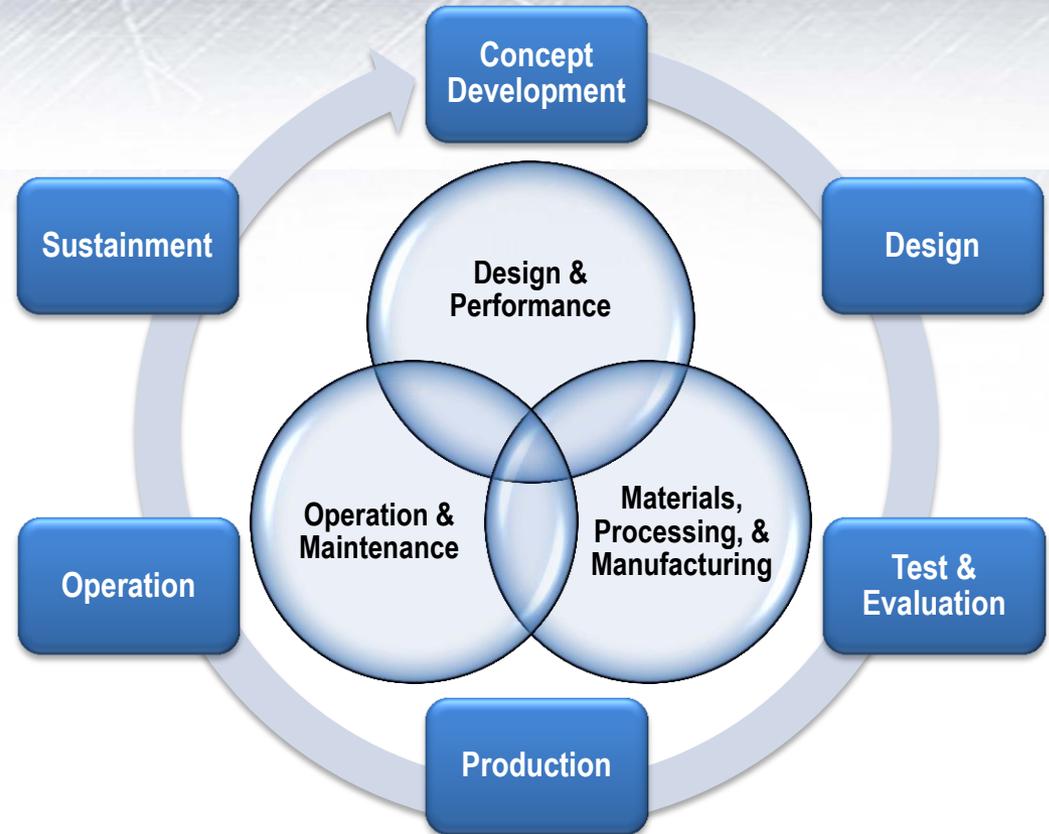


# What is the Digital Thread?

## The Future of Lifecycle Management

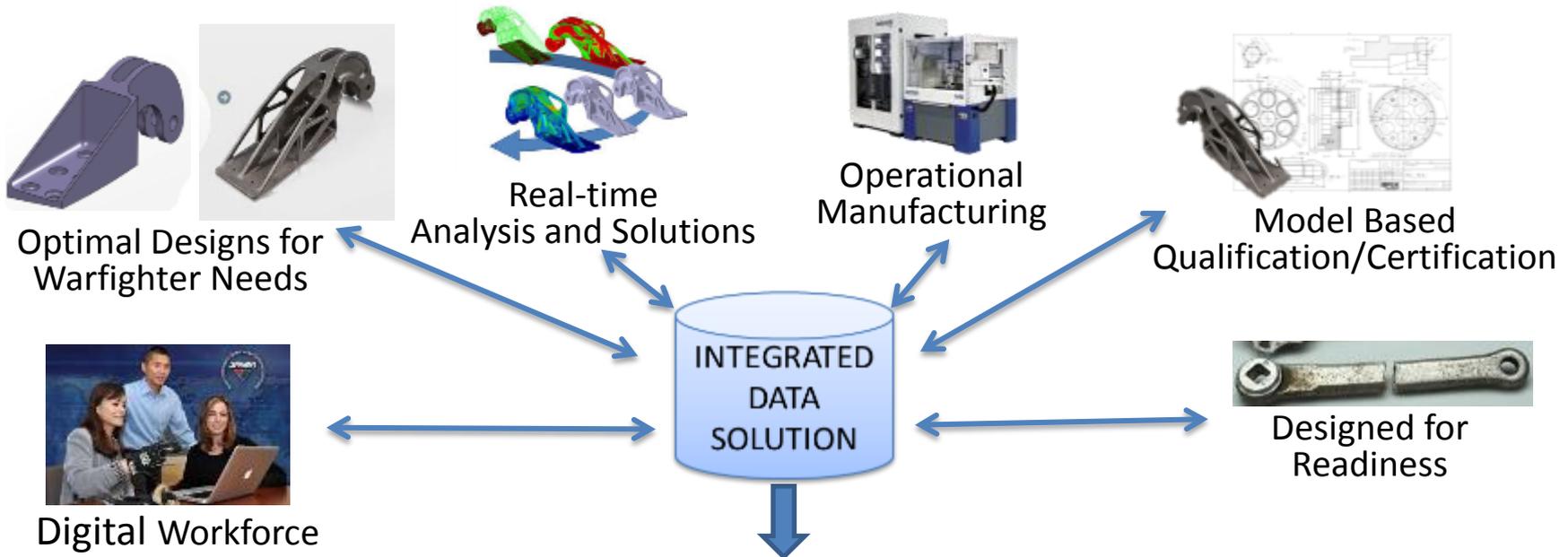
### Endstate:

- **Maintenance based on early identification of damage & damage precursors**
- **Individual vehicle history available to operators, maintainers, & engineers**
- **Preventative maintenance & repairs / retrofits are personalized to each vehicle**
- **Majority of effort is in predicting, preventing, & managing damage state throughout lifecycle.**



Future Lifecycle Management will be  
Predictive, Integrated,  
Individualized, and Preventative

# What is the Digital Thread?



- *High Velocity Learning*
- *Increased Readiness*
- *'Weaponized' Supply Chain*
- *Reduced Development Timelines*
- *Reduced Total Life Cycle Costs*
- *Increased Capability*

## DON Initiatives

- Policy
- Architecture
- Standards
- Security
- People

**Complete, Secure, Authoritative Data Enables Advanced Manufacturing And Digital Supply Chain**

# What is the Digital Thread?

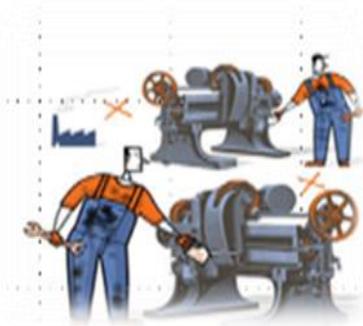
Digital Process Integration with Complete, Secure, and Authoritative Data

## Current State

Reduced Readiness

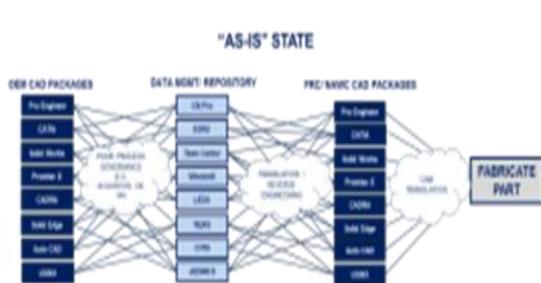


"Analog" workforce



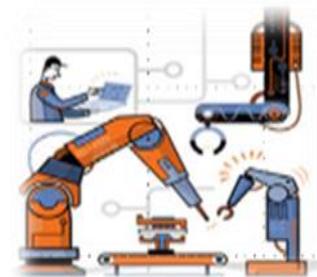
## Future Vision

Accelerated Readiness and Capability

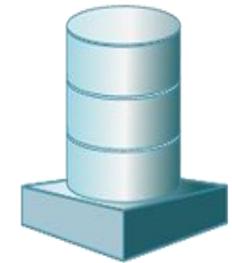


Inconsistent Processes

Limited Data



"Digital" workforce



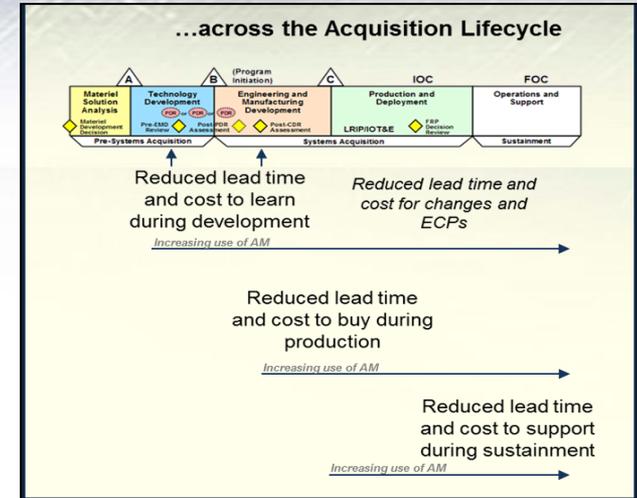
Authoritative Data

# Digital Thread

## Tuning the Value Stream

### SPEED

- Early Development – Prototyping
- EMD – Managing Discovery and Rapid Change
- Customization and Production Line Standup
- Expedited In Service Support
- Rapid Capability Improvements



### Current State

Reduced Readiness



“Analog” workforce

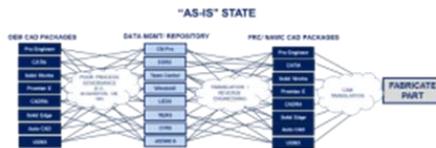


### Future Vision

Accelerated Readiness and Capability



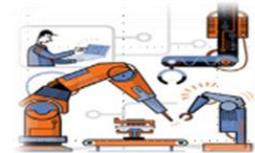
Advanced Manufacturing and Capability



Inconsistent Processes



Limited Data



“Digital” workforce



Authoritative Data

**Digital Thread = Digital Process Integration with Complete, Secure, and Authoritative Data**

# Digital Thread

## Digital Work Force Development

