

Department of Defense



Our Mission:

● ***Protect our National Security***

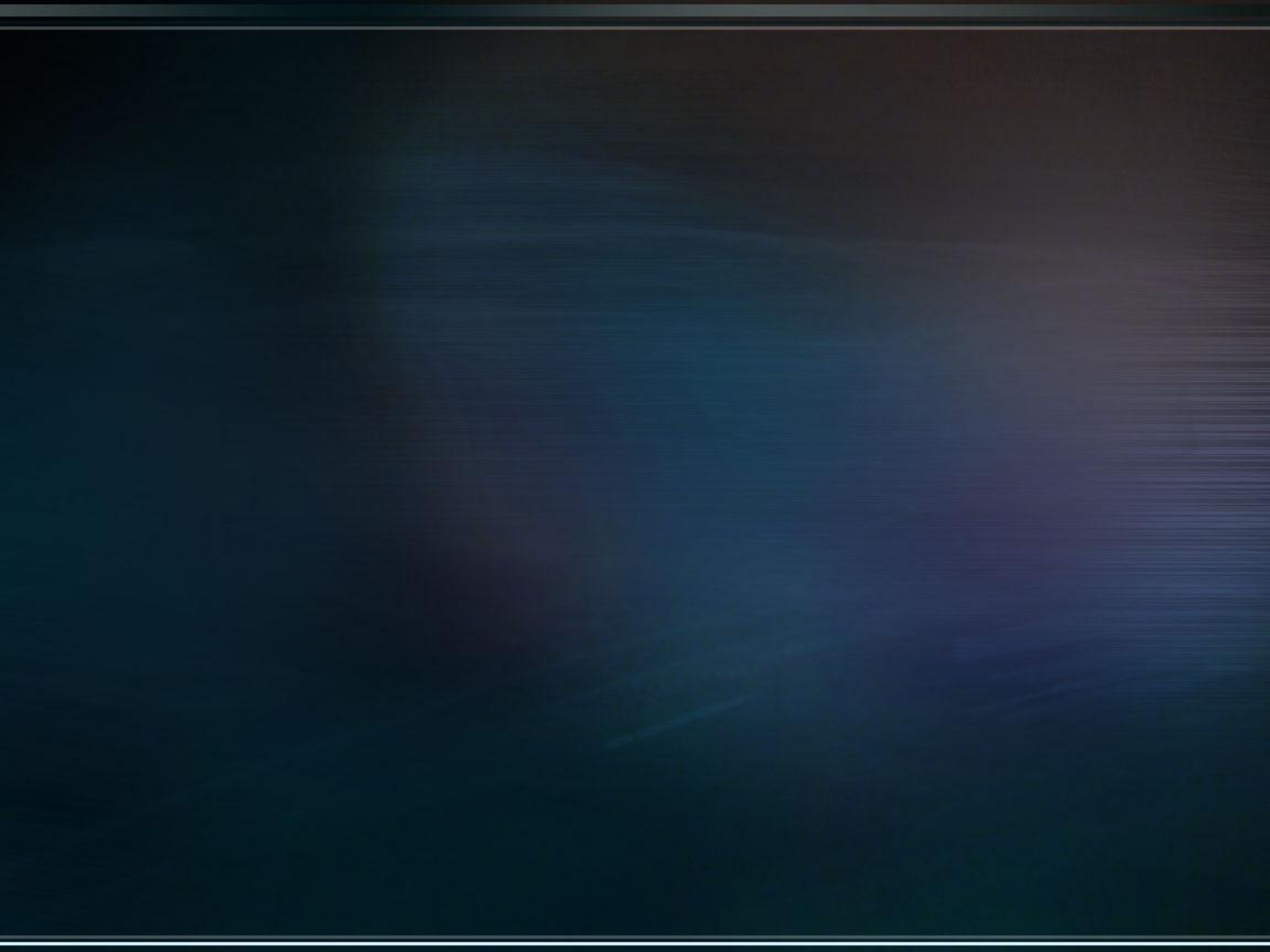
● ***Provide the military forces needed to deter war and prevail in conflict***

- ***Over 1.4 million active duty men and women***
- ***Over 1.1 million Guard & Reserves***
- ***Over 737,000 civilians***

DoD Engineering Enterprise

- ***World's Largest Engineering Organization***
- ***Over 100,000 Uniformed and Civilian Engineers***
- ***Over 39,000 Acquisition Corps Certified Systems Engineers (SPRDE)***





Engineering Challenges

Managing Complexity

Managing Risk

Growing Future
Engineering Leaders

Managing Complexity

The Engineering Design Process

Engineering Fundamentals

Adequacy of Tools

Engineering Challenges

Managing Complexity

Managing Risk

Growing Future
Engineering Leaders

Growing Great Engineers

Breadth

- Awareness of and appreciation for other functional areas
- Understanding of system lifecycle and processes
- Knowledge of other engineering disciplines and how they integrate into a system solution
- Knowledge of product domains

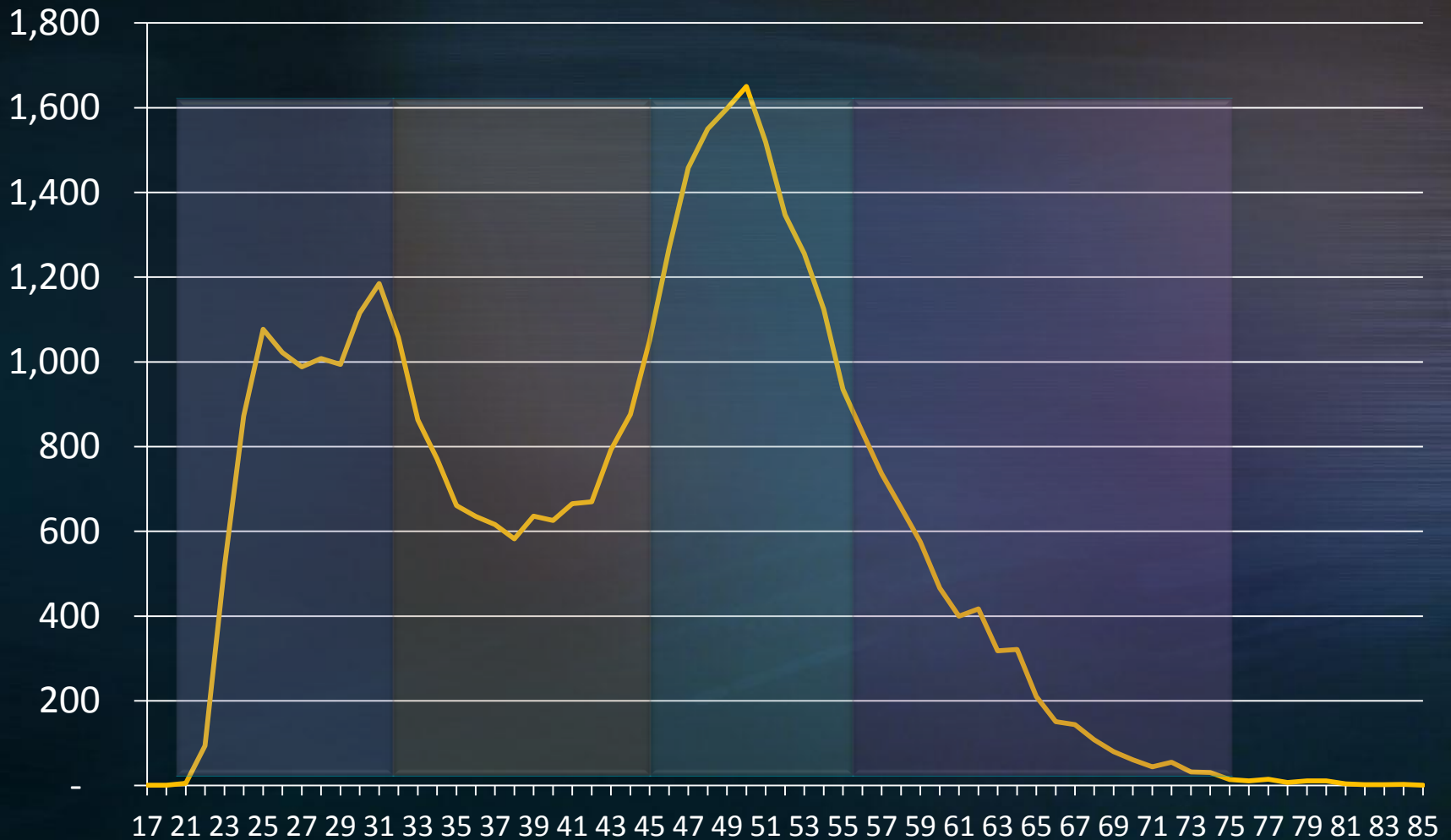
Depth

- Extensive expertise and experience in one or more engineering disciplines and in one or more product domains

Leadership

- Ability to motivate and inspire individuals and teams
- Comfort in dealing with complexity
- Focus on underpinning decisions with data
- Capability to make tough technical decisions

Workforce Demographics



Opportunities

Better Tools

New Approaches to Engineering
Education

Growing an Engineering Culture



Thank You