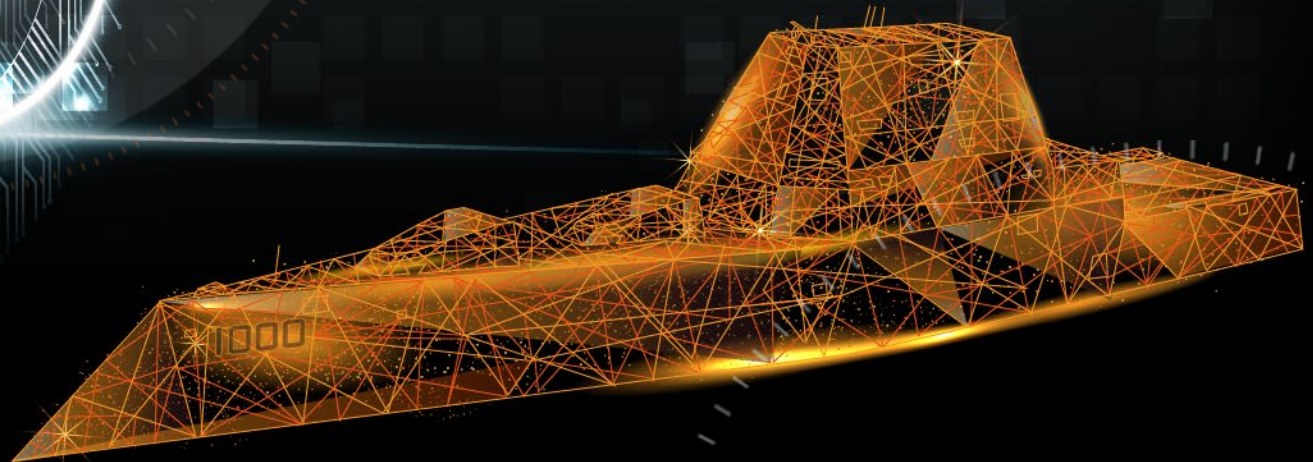# ManTech Capabilities and Opportunities
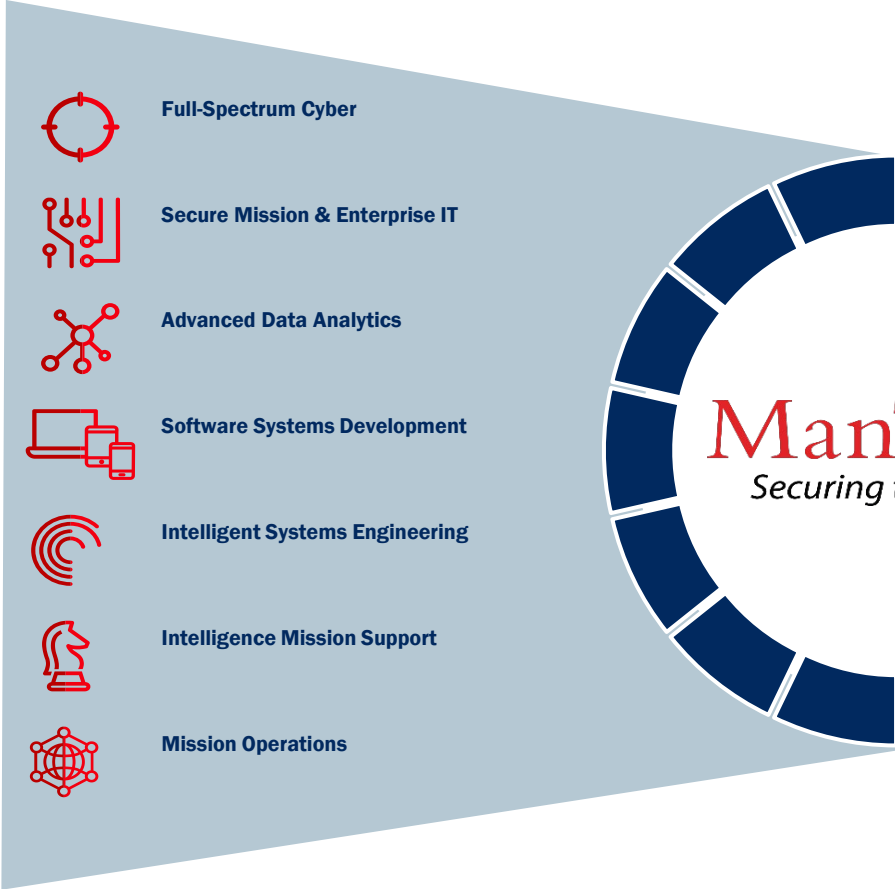
Issiah Santos, Director for Spectrum Warfare

ManTech Capabilities
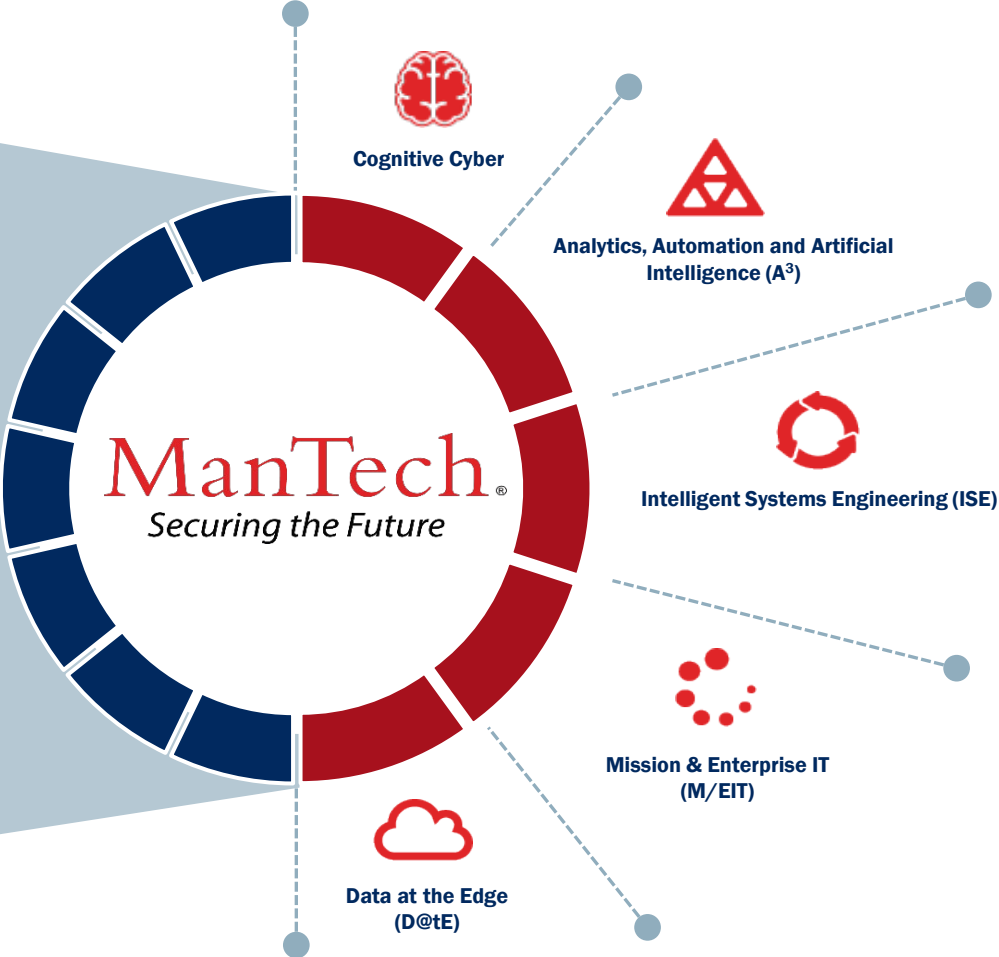
CORE CAPABILITIES
Delivering for Customers Today

- Full-Spectrum Cyber
- Secure Mission & Enterprise IT
- Advanced Data Analytics
- Software Systems Development
- Intelligent Systems Engineering
- Intelligence Mission Support
- Mission Operations

TECHNOLOGY FOCUS AREAS
Innovating to Meet Evolving Customer Needs

- Cognitive Cyber
- Analytics, Automation and Artificial Intelligence (A³)
- Intelligent Systems Engineering (ISE)
- Mission & Enterprise IT (M/EIT)
- Data at the Edge (D@tE)

ManTech
Securing the Future

Crane Capabilities

- **Systems Engineering/Digital Engineering**
  - System Engineering Management Plans tailored to each project.
  - MBSE/DE tools set in-place: MagicDraw Cameo Suite, DOORS, JIRA, Bitbucket, C#, ACRE/ATLAS, MatLab, Visio, Solid Edge, SolidWorks and AutoCad Inventor.

- **Cyber/SW integration – Team of dedicated cyber engineers, well defined process to do software releases. Navy & Marine Corp Validators, A&A with continuous monitoring**
  - Support VMware, Windows, Linux based operating system.
  - Perform Hardware-In-The-Loop (HITL), RMF, STIG, SCAP, & ACAS; .
  - Utilize ansible and ACRE for automation & virtual environments
    - Virtual System of Systems (SoS) for integration and test events.
    - Links non-homogeneous systems
    - Reduces CM issues and physical HW cost
  - Utilize JIRA to track STR's and change request to provide full trackability from ticket to delivery

- **LINK-16, Tactical Data Links and Interoperability Expertise; Service Level and JITC Certifications**

- **Product Support Analysis Team**
  - SlicWave database for all LSA reporting i.e MaPL, Provisioning, etc.
  - OPUS 10 for LORA & Sparing Analysis.

- **TPS development lab**
  - Lab capacity: 5 CASS stations, all power, HVAC and grounding grid NAVAIR approved 11/2019.
  - eCASS developer and ADEK commercial developer stations.

- **Robust procurement team with local buyer and p-card holders**

- **Local quality accreditations: ISO 9001, AS 9100D & CMMI ML 3**

Digital Engineering Capabilities

- **Digital Twinning**
  - Bit-level virtual clones of systems and enclaves
  - Non-intrusive digital fingerprinting methods

- **Disk to and from Digital**
  - Ability to load physical images into virtual environment and pull virtual images to load on physical stack
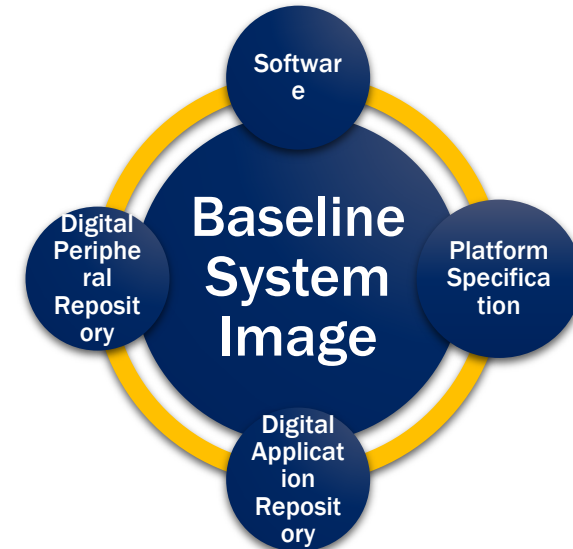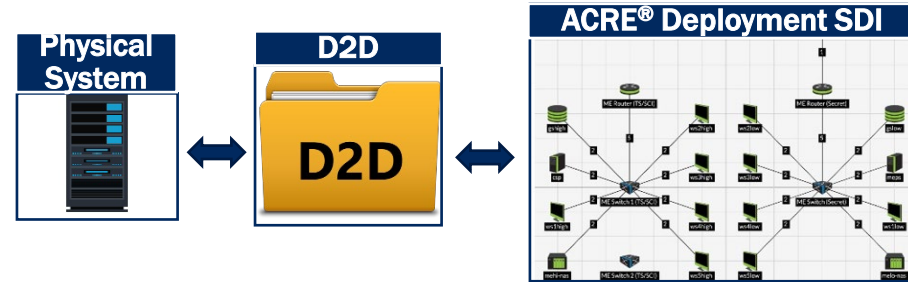
- **Modular Configuration**
  - Streamlined design, development, test, and deployment of baseline system across multiple platforms
  - Buffet style configuration capability & simplified large-scale deployment

- **Sandbox Environment**
  - Fully functional virtual environment for software development and integration, cyber hardening, secure coding, and more
  - Snapshot capabilities to easily revert to previous system state

- **Hardware In the Loop (HIL)**
  - Allows for testing of geographically dispersed physical peripherals
  - Ability to integrate physical devices into the virtual environment

Questions