



# Innovation in Delivery and Sustainment

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# The Way Ahead

“**Digitizing our Navy** — what does that mean? Part of it is simply to capture the data that we have today, from personnel to logistics to command and control, and recognize the resources that those data represent, **capture the data and understand what that can tell us.**”

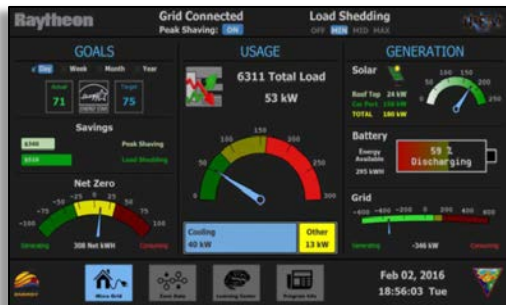
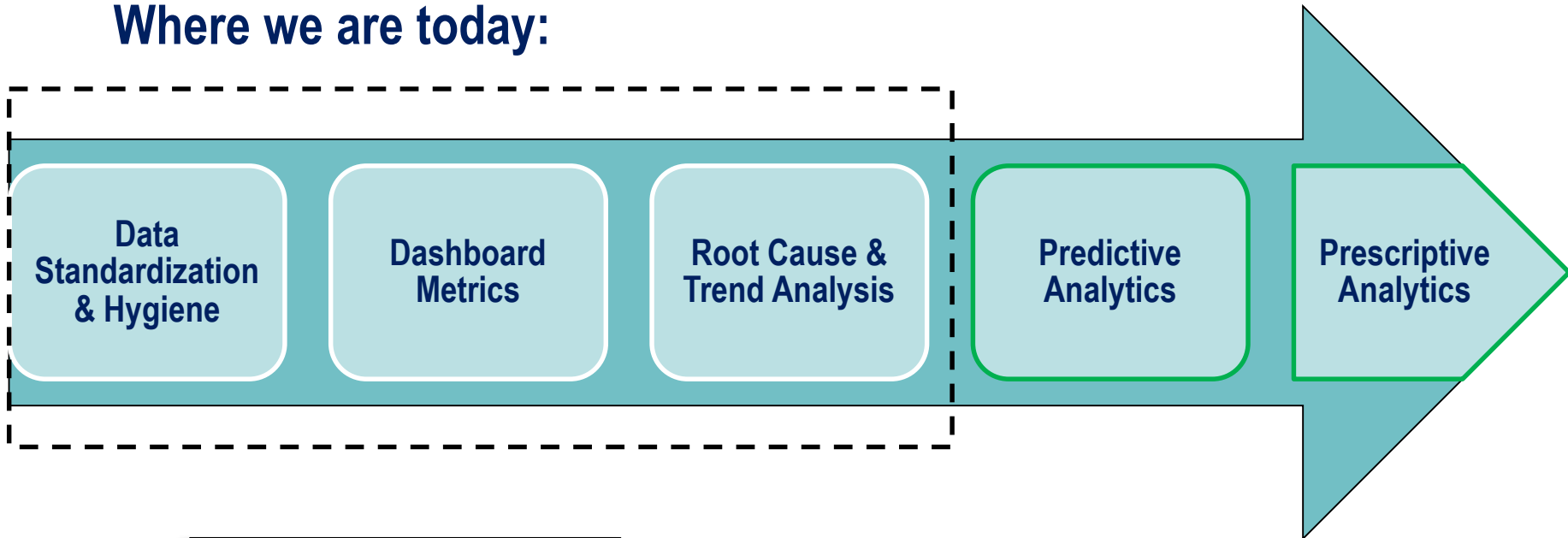
- RADM Becker, Commander, Naval Information Warfare Systems Command

“**Automated analytical tools** will accelerate our decision making by suggesting decision options we may not have been aware of if we relied on human action alone.”

- ADM Christopher Grady, Commander, United States Fleet Forces Command

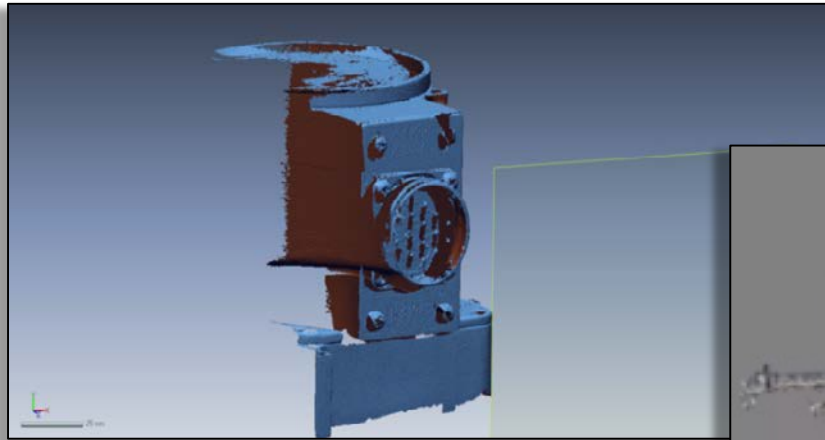
# Drive to Predictive/Prescriptive Sustainment

Where we are today:



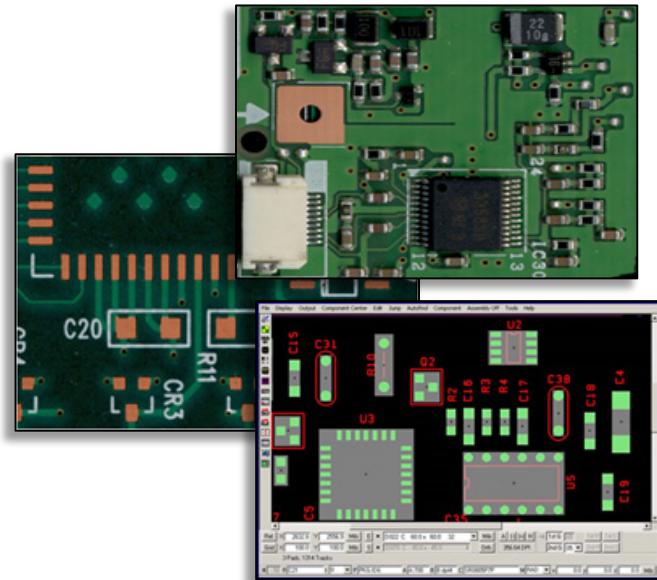
# 3D Scanning

- ▼ Digital imaging of Navy assets and platforms
- ▼ Provides opportunity for enhanced sustainment, maintenance, training, and modernization capabilities



# 3D Modeling & Advanced Manufacturing

- ▼ Increases speed of reverse engineering for obsolete parts
- ▼ Accelerates development of Technical Data Packages
- ▼ Rapid prototyping and limited production runs



**Reduces repair cycle**

# C4I Pre-Install Test and Checkout

- ▼ Delivers a single integrated C4I capability build
- ▼ Increases quality of delivery
- ▼ Early discovery of HW/SW issues
- ▼ Reduces post-installation test discrepancies and time onboard



**C4I PITCO shifts software load and test to the left – prior to on-site delivery**

# SOVT Streamlining

- ▼ Performing SOVT checks in C4I PITCO
- ▼ Automating SOVTs

## CANES SOVT Example



**\$31K**  
SAVINGS PER SHIP



**234 Hours**  
SAVINGS PER SHIP

- ▼ Moving to Digitized SOVT Integrated Test Procedure (ITP)
  - CANES SOVT Example:

**Reduced Installation Time and Cost**

# Thrust Areas

Today

Tomorrow

Future



CB-ISEA



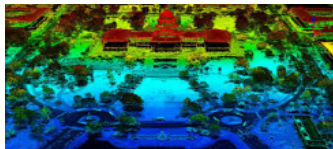
Dashboards / Metrics



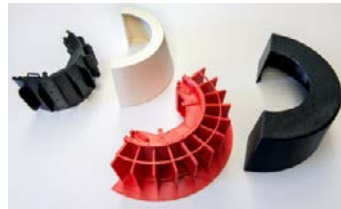
Predictive Data Analytics



AI/ML



3D Scanning



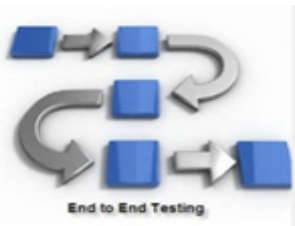
3D Printing/Rapid Prototyping



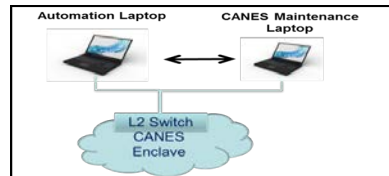
Digital Thread



Augmented Reality



C4I PITCO



Automated SOVT



Cyber



Unmanned Systems



“You will not find it difficult to prove that battles, campaigns, and even wars have been won or lost primarily because of **logistics**.”

- Dwight D. Eisenhower