CASE STUDY - U.S. NAVY

PROBLEM: The Navy needed to improve the core curriculum and transfer of knowledge for students enrolled in Valve Maintenance Courses. Valve courses train Machinist’s Mates (MM) and Gas Turbine Systems Technician-Mechanical (GSM) to perform preventive and corrective maintenance on three different classifications of pumps used aboard Navy ships.

SOLUTION: 3D Interactive Training Application of the Tri-Tec Electronic Valve Actuator, running on both Tablet’s and PC’s. Click here to see the application in action.

EXPECTED RESULTS:
1. Augment instructor-led courseware.
2. Valve familiarization via Hands-on virtual exploration allowing students to interact with the 3D models in real-time: Assemble, disassemble, rotate, cutaway, cross-reference, and view parts in the context of the valve assembly and sub-component parts.
3. Students can discover and learn prior to class - learning content can be accessed anytime, anywhere on all Navy approved devices and learning portals.

EXPECTED BENEFITS:
1. To enable ‘Learn by Doing’ vs. just by seeing or reading.
2. To help meet the individual needs of students – visually diagnose difficulty with various topics and improve their individual skill-sets.
3. To free up instructor class time for more interactivity with students – by using it as a pre-training aid to speed classroom instruction.

“Your team did a really great job. I am very impressed and taking this application with me to D.C. to brief NAVSEA leadership on the state of the art training solutions we will be providing” - Steve Dutter, Water Front Training Lead at NSWCCD, U.S. Navy