



OPTIMIZED TRAINING EXPERIENCES

THE CLINKENBEARD DIFFERENCE

High fidelity and robust mechanical mockups provide maintenance personnel with optimized training experiences that mimic real world scenarios. These physical mockups are designed to be cost effective and durable to sustain daily training activity while limiting resource expenditures, preserving safety, and allowing access to serious but infrequent

events. Duplicate training mockups can be produced at low cost and very quickly to scale training capacity very quickly. Early and rapid physical prototypes in the hands of experienced maintenance personnel and engineers can be used to spot design flaws and develop maintenance instructions, well before first deployment.





IMMERSIVE TRAINING USING PHYSICAL PROTOTYPES & MOCKUPS

The DoD trains thousands of personnel each year in complex maintenance tasks, many of these on combat critical systems. As the trainee's Knowledge, Skills and Abilities (KSAs) are developed, many maintenance tasks require kinesthetic training (i.e. muscle memory). Examples are changing a cumbersome engine accessory, and sling load removal of a jet engine. Actual flight hardware is expensive, scarce, proprietary, and designed to be light weight for service missions, not robust and durable for repeat maintenance training activities. Clinkenbeard specializes in physically immersive training devices at a fraction of the cost of real hardware.

Our approach blends hi-fidelity physical training devices with mixed immersive media. AKT's* provide easy and rapid understanding of specific procedures, before and during performance on mockups; and provide instant recall of those procedures in the field. Together with mockups, these visual enhancements enable users to read, see, hear and perform each procedure, with focus on comprehension (understanding), retention (stickiness) and drive to action (confidence) to quickly and accurately perform any procedure the first time.

**AKTs includes JPAs, LPAs, Mixed Reality applications and variety of other accelerated learning enhancements*

MECHANICAL MOCKUPS - ENGINEERING, DESIGN, AND BUILD IN-HOUSE.

- 5-axis CNC milling and CNC turning centers
- 6-axis portable, on-site metrology arm with scan and touch probe
- CNC hogouts from solid stock raw material (metallic and non-metallic, including exotics)
- Machined metal castings (ferrous and non-ferrous)
- Vertically integrated - can supply rapid prototype, bridge, and production quantities



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