

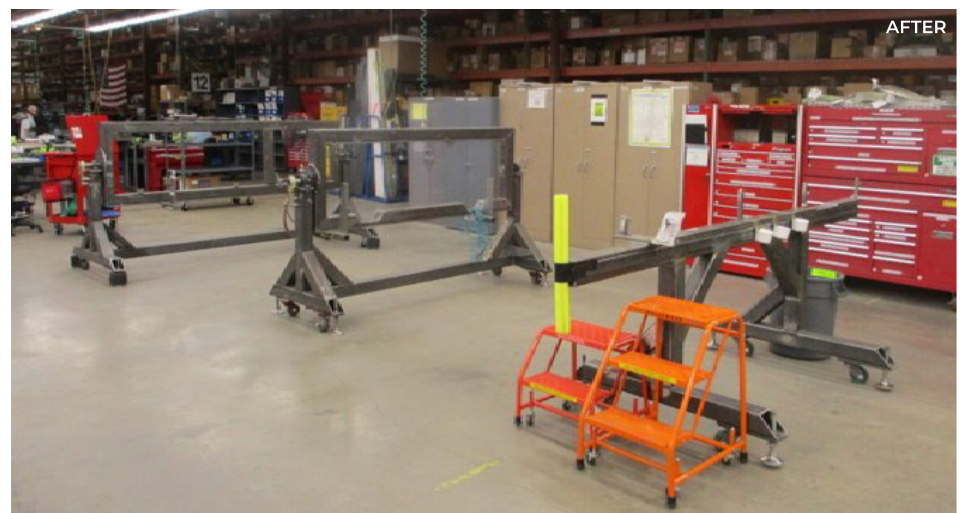
2024 HAZARD HUNT MILESTONE 3

HAZARD RESOLUTION

RaZor's Edge

Insufficient Holding Mechanism of the Flap Holding Fixture

It was quickly identified that the flap holding fixture, made of I-beam steel used to hold wing components when working the skins, had an insufficient adjustment mechanism. To level the fixture, employees were required to bend over or to get on the floor with a wrench to make adjustment to the fixture. A catastrophic injury could have occurred due to the design flaw in the flap holding fixture. It could have swung uncontrolled and struck a worker. The team took charge and installed a 90-degree reduction gear box, welded nuts on the feet of the fixture to ergonomically adjust the legs for transport from standing rather than binding down or being on the floor, and designated a specific area for the fixtures to be stored. A brake was added to the release. The brake release allowed one employee to adjust the holder's position without using physical strength to hold the part on the holder to prevent spin. **As a result of the hazard mitigation and controls implemented, the team earned 1st place during the 2023 Hazard Hunt!**



FOR MILESTONE 3 – HAZARD RESOLUTION, TEAMS SHOULD:

- Demonstrate how you resolved the hazard.
- Take a video or photos of the hazard after it is resolved. Make sure the photo file sizes are each 1MB or larger and include people. Ensure each individual included in photos signs an Image Release Form found on the Hazard Hunt web page.
- Write a summary with the who, what, when, where, and how you resolved the safety, occupational health, or environmental hazard.