



FLEX FORCE[®]
ENTERPRISES INC

Stabilized Weapon Mounts: Options for optimized performance on platforms in motion

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Who Are We

- Small business, based in Portland, Oregon with access to a large high tech talent pool, strong industrial base, and supportive congressional representation
- Experts in ballistics, weapon integration, stabilization, motion control systems, and electronic warfare
- Core engineering team has worked together since 2000 on numerous deployed weapon, surveillance, and TTL systems
- ISO9001 consistent practices
- Worldwide deployment and support
 - Equipment deployed on every continent
- Patented Technologies including
 - ASP (Stabilized Weapon Platform)
 - Dronebuster (Counter Drone System)
 - P-STAR (Pre-Shot Threat Assessment Radar)



The Premise

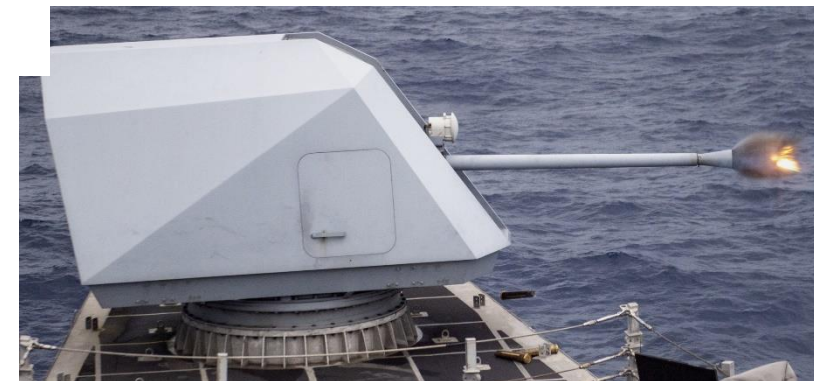
- Defensive weapon systems on naval ships and boats **HAVE TO BE** stabilized in order to be effective in today's battle space.

Why?

- Today's threats aren't to be deterred
 - Manned suicide boats or,
 - Unmanned platforms
- Previously, continuum of actions could deter or prevent deadly force situations

Today's Capabilities

- Let's not get too depressed....
 - There are some good, albeit more expensive solutions fielded



What Types of Mounts are out there?

Mk93 Style Weapon Mount
< \$10,000



Remote Controlled Weapon Station
> \$250,000



Stabilized Weapon Mount
< \$100,000



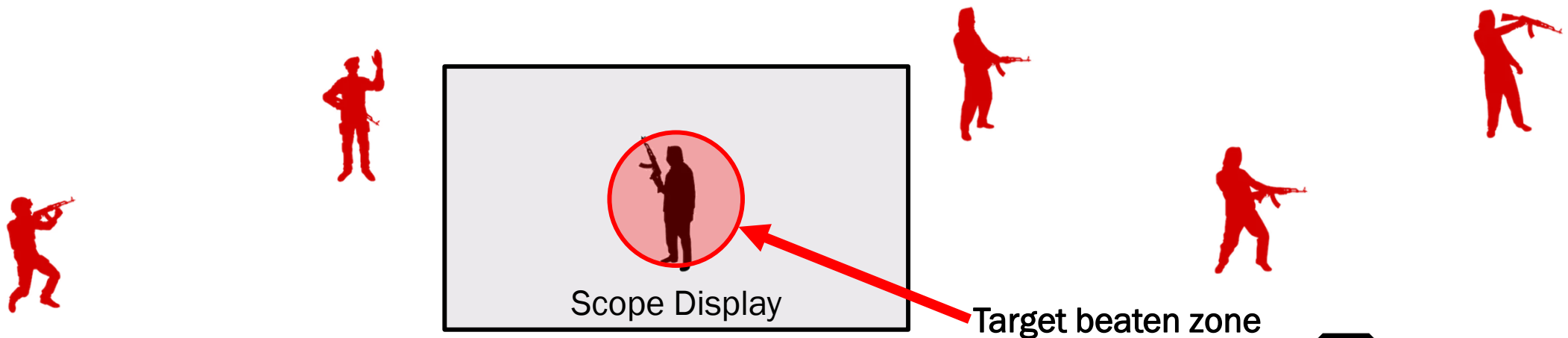
Remote Weapons Stations

Operational Benefits [PROS]

- ✓ Very accurate
- ✓ Increases Soldier and crew survivability – shoot from under armor
- ✓ Great for combat operations where you know the target location and can engage the enemy from beyond their effect fire range.
- ✓ Integrates with battle management systems

Operational Constraints [CONS]

- ✓ Very limited situational awareness
- ✓ Expensive
- ✓ Significant training burden
- ✓ Any subcomponent failure renders system operationally unavailable



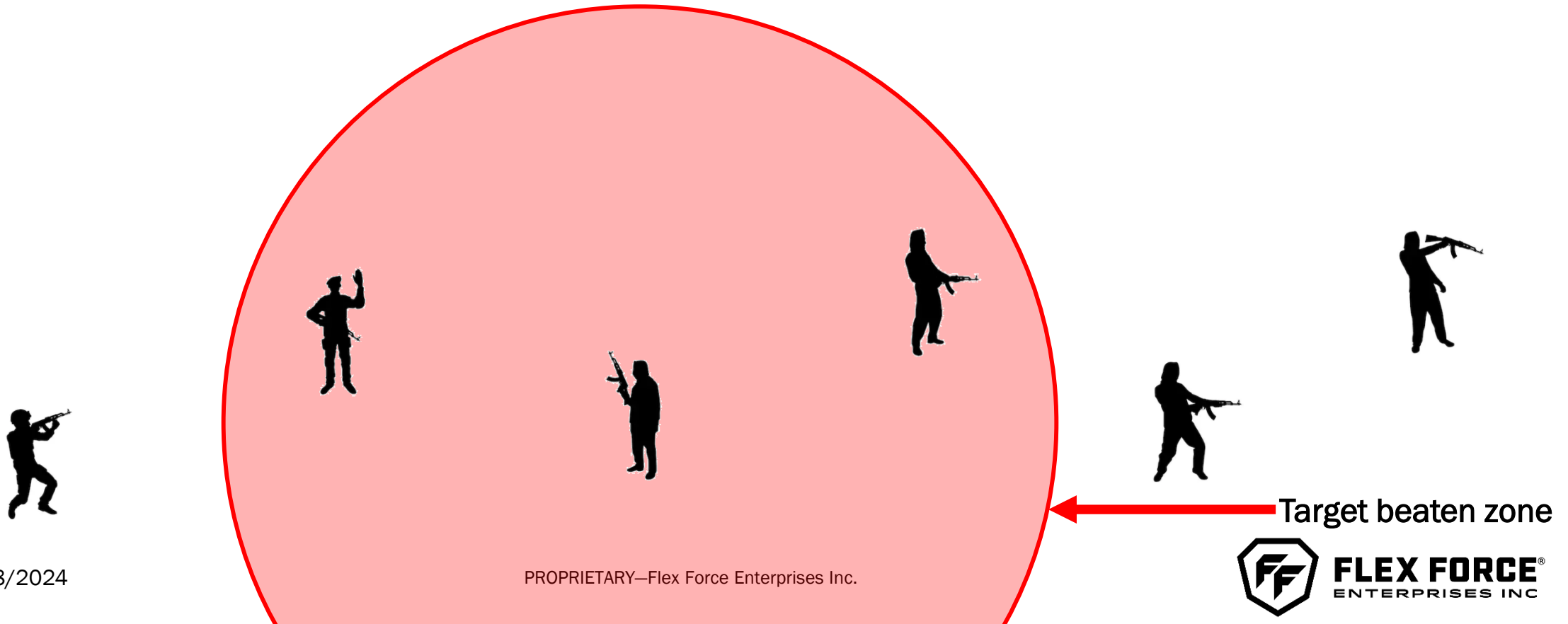
Crew-served Unstabilized Weapon Mounts

Operational Benefits [PROS]

- ✓ Very inexpensive to buy and maintain
- ✓ High level of situational awareness

Operational Constraints [CONS]

- ✓ Can't hit the target – EVER – suppressive fire only



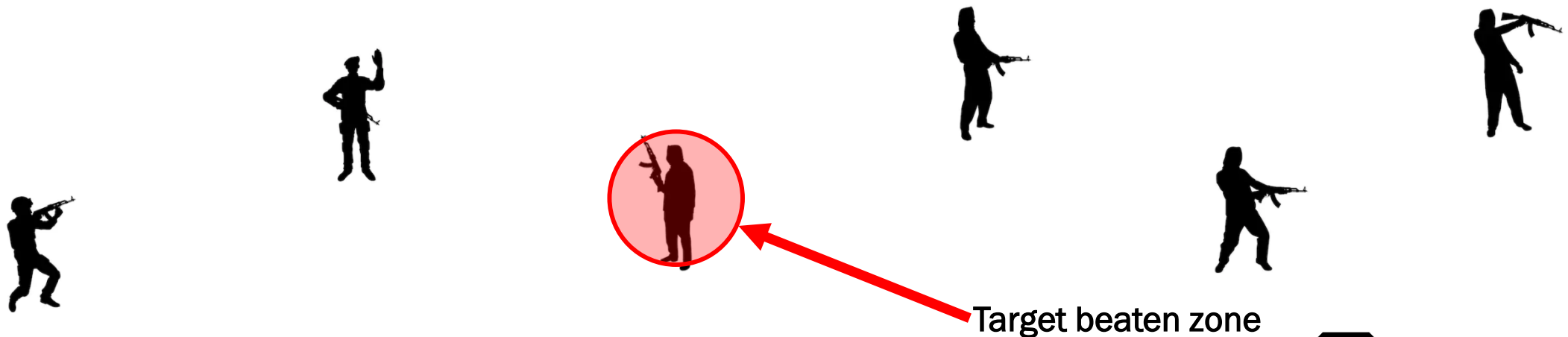
Crew-served Stabilized Weapon Mounts

Operational Benefits [PROS]

- ✓ Inexpensive to buy and maintain
- ✓ High level of situational awareness
- ✓ Very accurate
- ✓ Integrates with battle management systems
- ✓ Minimal training burden

Operational Constraints [CONS]

- ✓ None



Which is the best solution? Active Stabilized Platform

The ASP Crew-served stabilized gun mount delivers all the performance of other Remote Weapon Stations, in addition to:

- Superior target acquisition/situational awareness
- Greater installation flexibility
- 10X Hit Rate improvement for existing unstabilized installations
- Lower Total Lifecycle Cost
 - Lower acquisition cost
 - Lower maintenance cost
- Smaller physical footprint
- Light weight - under 60kg



ASP



ASP with fire control package





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MK93 vs. Flex Force ASP-S

Testing Target Acquisition and Elimination Time

Questions & Discussion