LifeRing Acts as Bridge Between Large Strategic Systems and TAK Soldiers

ATAK primarily communicates using Cursor on Target, which works well for mobile collaboration between soldiers, vehicles, and small units. However, many Army and joint systems operate using other tactical datalinks such as: Link 16, JVMF, NATO ADEM, ADatP-36, etc…

LifeRing's multi-domain datalink data fabric translates between these formats by first converting the data into a Data Fabric (MDDL) format and then reconverting the MDDL Data Fabric information into the needed format. This enables the information coming from Link 16, JVMF and radars, UAVs, aircraft, artillery systems, and naval platforms to be converted into CoT messages that ATAK devices understand.
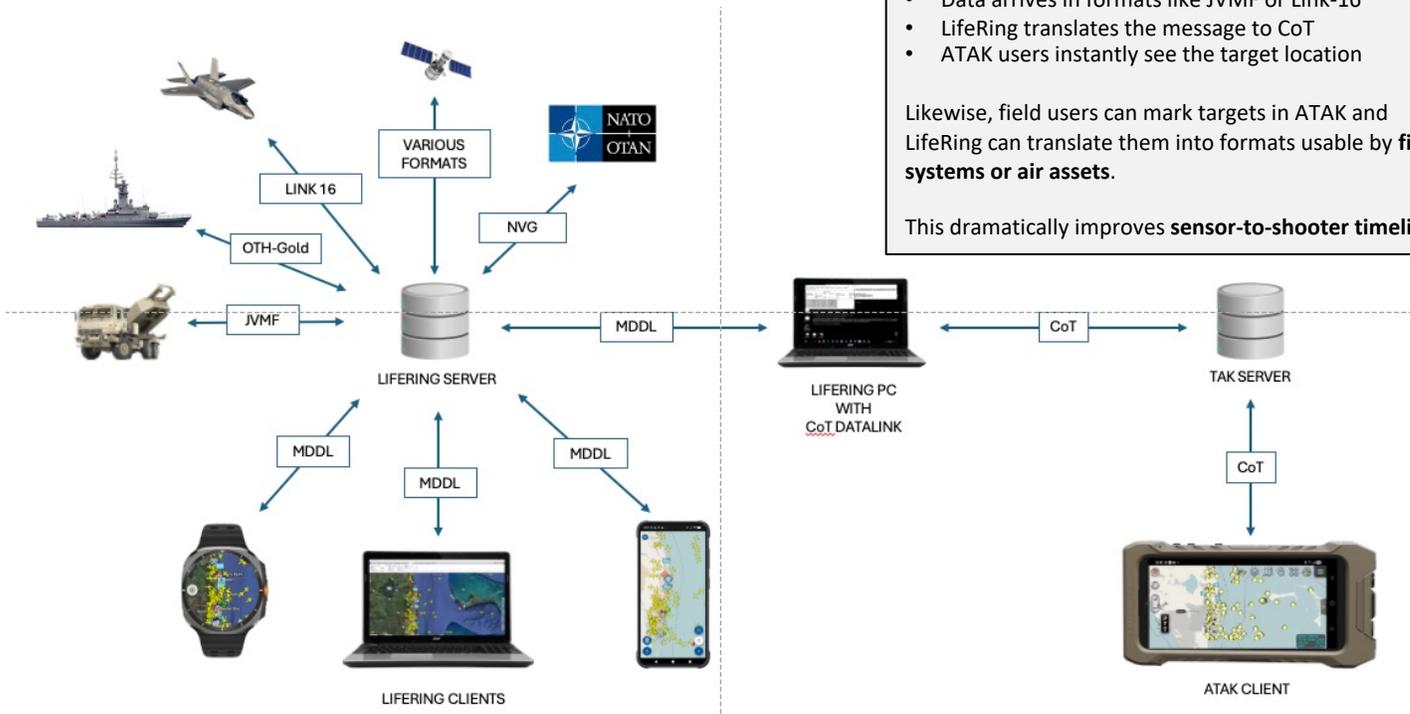
The Army has deployed thousands of ATAK devices across units. Replacing or modifying them would be costly and disruptive. By using LifeRing as a data broker, the Army can keep existing ATAK deployments unchanged While adding interoperability with other military systems.

With LifeRing acting as a translation layer:

- Sensor detects target (radar/UAV/etc.)
- Data arrives in formats like JVMF or Link-16
- LifeRing translates the message to CoT
- ATAK users instantly see the target location

Likewise, field users can mark targets in ATAK and LifeRing can translate them into formats usable by **fires systems or air assets**.

This dramatically improves **sensor-to-shooter timelines**.

LifeRing turns ATAK from a single-protocol tactical tool into a gateway to the entire C5ISR ecosystem, allowing soldiers with smartphones or tactical devices to access and contribute to data from aircraft, drones, artillery, sensors, and joint command systems without requiring changes to ATAK itself.

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