

PREDICT & PREVENT

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S E N S E E R

End To End Operational Enhancement & Predictive Maintenance System

- Preventive & Predictive Maintenance
- Platform Malfunction Detection & Crucial Information
- Cost & Downtime Reduction
- Mechanical Self Awareness
- Increased Platform Operational Readiness



Kinetic Energy Into Actionable Insights

Cloudlet

Lifelong learning device

AI Semantics and Analytics

Data driven regression model

Thumb-Size Footprint

Build for extreme environmental condition

Up to 15%
Maintenance
Costs Savings

**Ensure Operational
Readiness**

>95%
Accuracy

Dual Value
Both to the operator &
for the logistics
manager

End To End Operational Enhancement & Predictive Maintenance System

SOLUTION CAPABILITIES

Sensor Main Features:

- Weapon Health Status
- Round count
- Rounds Per Minute
- Shot Classification
- Shot Time Stamp

Dashboards Main Features:

- Individual Weapon Log Book & Management
- Inventory Management
- Individual parts Health Monitoring
- Optional: Multiple Armory's Monitoring
- Optional: Ammunition Consumption Monitoring

Reader Main Features:

- Shot Data Since Last Scan & Total
- Percentage of Health (overall & by component)
- Maintenance Checklist
- Action Log
- Statistics: Fire Rate Distribution, Shot Acceleration and Shot Cycle



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CURRENT SUPPORTED PLATFORMS

COLT/FN M4
BARRETT REC7
EMTAN M4
HK 416
SIG 516/517
SIG MCX 5.56
IWI ARAD 5.56
HK G36
COLT/FN M4
SIG M400
DD MK18

CZ BREN 2 5.56
SIG NGSW 6.8 AR
LMT .308
BARRETT REC10
KA M110 .308
AK 7.62X39
(Various Models)
ST SAR-21
IWI TAVOR X95
SIG MPX 9MM

Rifles/Carbines



M249/MINIMI MK3
MINIMI MK3 7.62
ST U-100
PK/PKM
SIG MG 6.8
M240/MAG
M60-E6/E4
SIG LMG-M .338
M2 - M2A1/2 & M2HB/Mounted

Machine Guns



MK 2
(Not Final)

Automatic GL



BARRETT MRAD/MK22
(Not Final)

Sniper Rifles



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THE SENSOR



Main Features

- Weapon Health status
- Shot time stamping
- Fire rate distribution
- Rounds per minute
- Cycle time measurement
- G-force measurement
- Shot Classification
- Shot analyses

Main Features

- Weight: 25 gr (Including housing for std. grip sensor)
- Battery Type: Non-Rechargeable Lithium
- Long Lasting Batteries:
- Std. Grip Sensor: 2-4 Years (based on ~150,000 events)
- Picatinny Sensor: 4-6 Years (based on ~300,000 events)
- Safe Communication Protocol (NFC)
- IP-68* Sensor
- Shot Counter Memory: Unlimited
- Timestamps Memory: Last 50k Shots
- Optional: Customizations (Hardware & Software)
- Optional: White label

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READER CAPABILITIES

Wirelessly collects data in the Armory or in the Field

Shot Data Since Last Scan & Overall

Number Of Shots Fired

- Single Or Auto
- Impacts (Dry-fires)
- Rounds Per Minute

Service

- % of Health (overall & by component)
- Maintenance Checklist
- Action Log

Statistics

- Fire Rate Distribution
- Shot Acceleration
- Shot Cycle
- Last Shot Graph



End To End Operational Enhancement & Predictive Maintenance System

ARMORY DASHBOARD

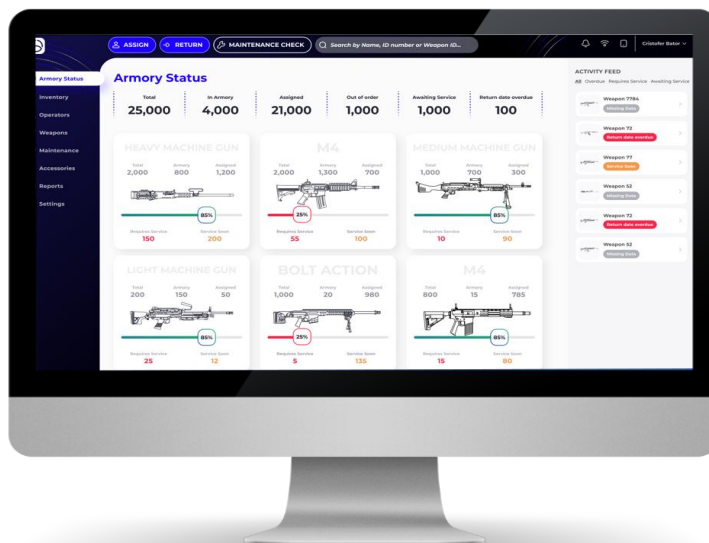
USB connection to upload all data from the reader to the dashboard in order to organize and manage armories and arms rooms

Maintenance

- Readiness Statistics At The Individual Weapon And Overall Armory Level
- Alerts And Reminders For Predictive And Preventative Maintenance
- Optional: Integration Into Existing Inventory Management Platforms

Accountability

- Asset Visibility
- Digital Inventory
- Digital Accountability Logs And Records
- Ability To Assign Relationships To Weapons And Weapon Accessories
- Note: The Armory Dashboard Works Offline, On The Local Computer Or Local Server
- Data Base: MYSQL

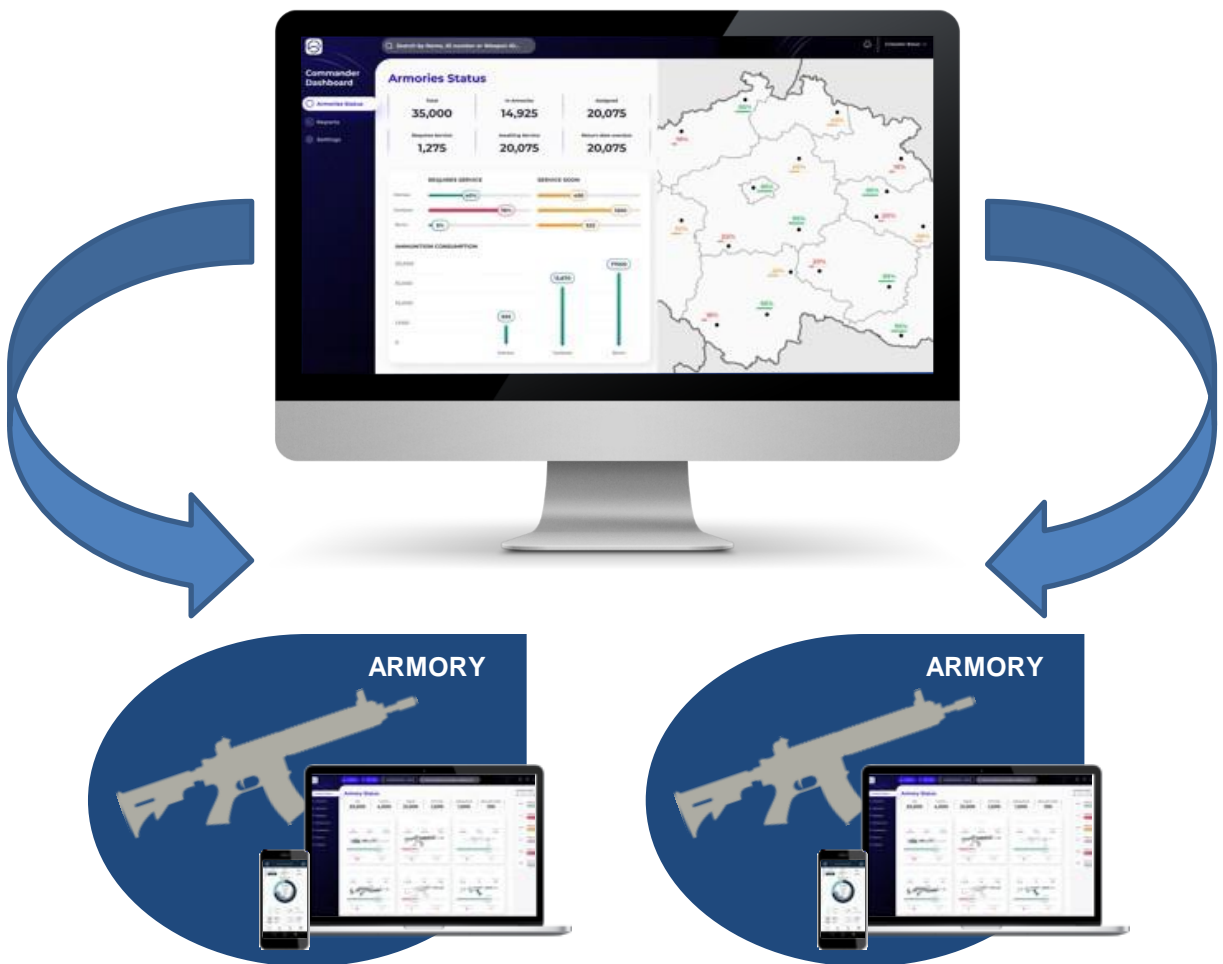


End To End Operational Enhancement & Predictive Maintenance System

OPTIONAL CENTRAL ARMORY MANAGEMENT DASHBOARD

We offer the ability to network distributed armories to provide holistic organizational level information on the status of your weapons. Every unit, outstation, post, or location can be connected to a central database to allow for support, oversight, accountability and logistics

CENTRAL ARMORY / COMMAND



Note: The MySQL server could either be on a dedicated machine or a docker container or even a dedicated schema in an already existing server.

