



# PM Transportation Systems (TS)



**Vincent Jakubowski**  
**Deputy Project Manager**

# PM Transportation Systems Organization

\$650M annual enterprise

279 Personnel:  
 Military - 5  
 Core - 119  
 DS Matrix - 114  
 Contractors - 41



**Project Manager**  
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**Deputy Project Manager**  
 Mr. Vincent Jakubowski

**MISSION**

Project Manager Transportation Systems enables multi domain operations for US forces and allies by executing life cycle management to deliver high quality land & sea transportation assets

**VISION**

To deliver superior transportation capability that moves the best Army in the world.



**Product Lead  
 Common Tactical  
 Truck**  
 Mr. Alvin Bing III



**Product Manager  
 Heavy Tactical  
 Vehicles**  
 Mr. Raymond Folden



**Product Director  
 Multi-Mission Protected  
 Vehicle Systems**  
 Ms. Diane McCarthy



**Product Manager  
 Army Watercraft  
 Systems**  
 Ms. Regina Rogers



**Operations Div  
 Chief**  
 Mr. Michael Vivian



**Business Mgmt  
 Chief**  
 Mr. Roel Manaus



**Engineering Div  
 Chief**  
 Ms. Erin Tromley



**Fleet Mgmt  
 Chief**  
 Ms. Katie McNulty



**PSM/Log Chief**  
 Mr. Jerry Sotomayor-Morales



**PAT&E Div  
 Chief**  
 Mr. Mark Melchior



# PM Transportation Systems Key Activities



Mr. Alvin Bing III  
**Product Lead**  
**Common Tactical**  
**Truck**  
**(PdL CTT)**



Common Tactical Truck



Mr. Raymond Folden  
**Product Manager**  
**Heavy Tactical**  
**Vehicles**  
**(PdM HTV)**



Palletized Load System (PLS)

Heavy Expanded Mobility Tactical Truck (HEMTT)



Heavy Dump Truck

Enhanced Heavy Equipment Transporter System (EHETS)



Line-Haul Trailers



Ms. Diane McCarthy  
**Product Director**  
**Multi-Mission Protected**  
**Vehicle Systems**  
**(PdM MPVS)**

Family Medium Tactical Vehicles (FMTV) A2



FMTV Trailers



Cold Weather All-Terrain Vehicle (CATV)



M-ATV MaxxPro



Assured Mobility Buffalo



Explosive Hazard Pre-Detonation (EHP)



Ms. Regina Rogers  
**Product Manager**  
**Army Watercraft**  
**Systems**  
**(PdM AWS)**

Logistic Support Vessel (LSV)



Landing Craft Utility (LCU)



Maneuver Support Vessel (Light) (MSV(L))



Maneuver Support Vessel (Heavy) (MSV(H))



Modular Causeway System (MCS)



Small Tug (ST)



## Overarching Efforts

- TWV Strategy
- AWS Strategy
- Electrification
- DIGS

# PM TS Focus Areas and Upcoming Opportunities

- **Common Tactical Truck (CTT)**

- Assessment of contractor design solutions and production cost
- Prototype test assets delivered
- Prototype Testing & Operational Demonstration (Ops Demo) at Aberdeen Test Center (JAN – SEP 2024)
- CDD Development
- Transition to a follow-on acquisition pathway



- **Army Watercraft Systems (AWS)**

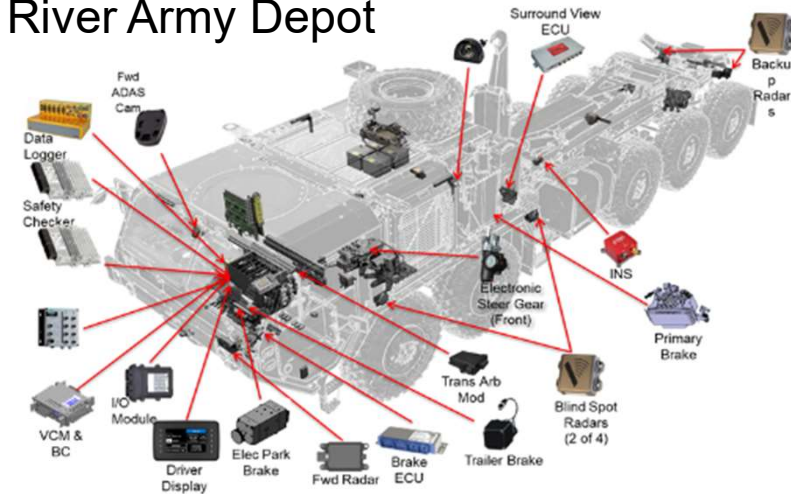
- MSV(L) to finalize transition from EMD to LRIP and initiate MSV(L) production
- MSV(H), or interim solution, acquisition and contracting strategy planning and execution



# PM TS Focus Areas and Upcoming Opportunities

## • Heavy Tactical Vehicle (HTV)

- FHTV 5 award
- Complete EHETS trailer production
- M1070A1 to M1300 EHETS tractor production at Red River Army Depot
- MET production and testing
- By Wire Active Safety testing and materiel release
- Heavy Dump Truck production and fielding
- M870A4 production and fielding
- Demand reduction/electrification efforts
- Line-Haul follow-on awards



## • Multi-mission Protected Vehicle Systems (MPVS)

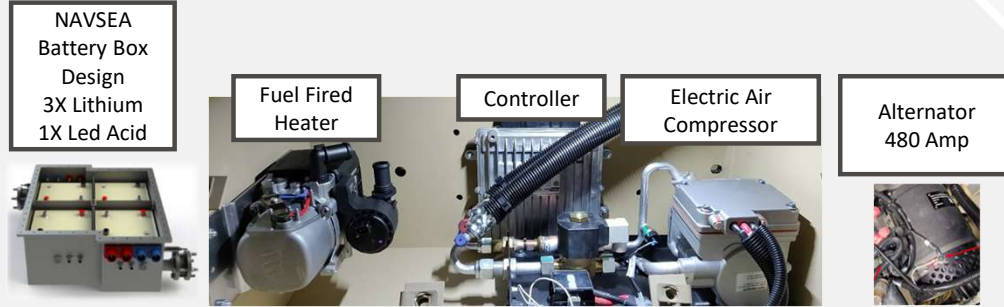
- Yard Tractor: Military mods required
- Anti-idle Retrofit Kit/On Board Vehicle Power
- Competitive FMTV contract: FY28
- CATV contract expires FY29



# Demand Reduction Efforts

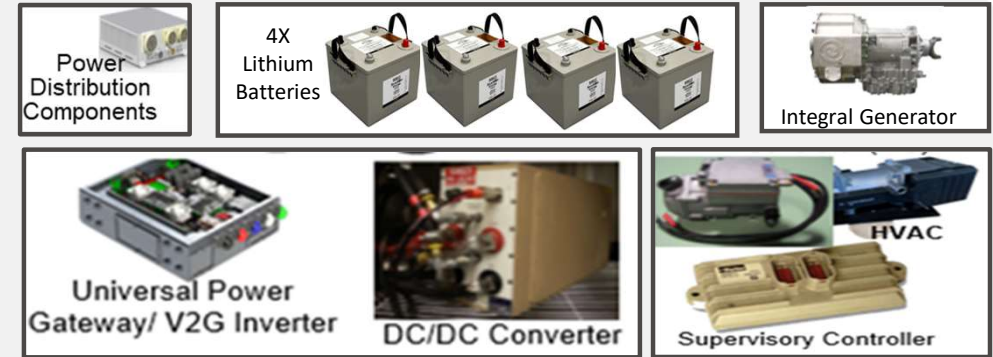
## Anti-idle

- FMTV used a Defense Innovation Unit (DIU) OTA to design and test a prototype retrofit kit for the A1P2. The anti-idle kits use lithium batteries to operate HVAC and onboard comms/accessories while the engine is off.
- FMTV is currently collecting soldier feedback and gathering performance data on 8X prototypes in Ft. Cavazos, TX. Production is planned to start in FY25, through open competition utilizing a Technical Data Package (TDP).
- HTV is leveraging FMTV's kit design to develop prototype kits for the HEMTT A4 and PLS A1 with the intent to field in FY26.



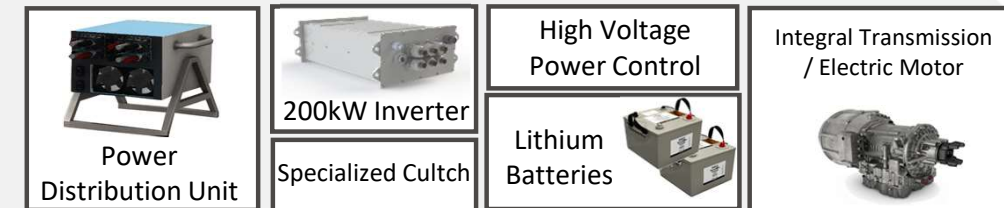
## Vehicle Integrated Power (VIPK)

- VIPK applies capabilities from the Secure Tactical Advanced Mobile Power (STAMP) Joint Capability Technology Demonstration (JCTD), which designed tactical power generators into vehicle transmissions of FMTV A2, HTV HEMTT A4 and PLS A1 platforms.
- VIPK will be a prototype retrofit kit that advances anti-idle capabilities and provides high voltage power for applications such as missile defense, command post, electric vehicle charging, and directed energy weapons.
- FMTV A2 and HTV HEMTT A4 will utilize the newly awarded Detroit Arsenal Innovation (DAI) OTA to develop and test prototypes from FY24 to 25. Production is planned to start in FY26, through open competition utilizing a TDP.



## Hybrid Propulsion

- HP will be a retrofit kit for a technology demonstrator that advances VIPK capabilities by converting the transmission into an electric motor to achieve additional fuel economy, improve acceleration, optimize silent watch/mobility and increase power generation.
- FMTV A2 and HTV PLS A1 will utilize the DAI OTA annual plan to develop a demonstrator. Production is not planned or funded for this effort.



## FuelSense

- A Cooperative Research and Develop Agreement (CRADA) was established between GVSC and Allison Transmission to create a software calibration for Gen 5 > transmissions that reduces fuel consumption.





# Common Tactical Truck (CTT)

- **Program Description**

- A Family of Vehicles (FoV) to replace the M915/M1088 Tractors, PLS, and HEMTT
- Enables fleet modernization by leveraging best commercial practices, technology, and commonality while achieving lower procurement cost (commercial economies of scale)
- Desired capabilities include autonomy ready - electrification/digitization “built-in” architecture, demand reduction, Prognostics/predictive maintenance, off road mobility, Armored cab /crew served weapons capable

- **Rapid Prototyping via Other Transaction Authority (OTA) (FY23-FY24)**

- Enables try, buy, and decide with early soldier touch points to further inform/refine requirements
- Competitive OTA awarded to four contractors (Mack, Navistar, Oshkosh, American Rheinmetall Vehicles/GM Defense)

- **Near-Term Key Events**



- Performance and Limited Durability Testing JAN - JUL 2024; prototypes received at APG.
- Operational Demo AUG – SEP 2024
- Inform/Develop the Capabilities Development Document
- Finalize plan to transition to production














# HTV Products



Platform/ Nomenclature	Phase	Follow-on	Competition	Funding Status	OEM	
Heavy Expanded Mobility Tactical Truck (HEMTT)	Production FHTV-4	Production FHTV-5 Award JUN 24	Sole-Source	Year-to-Year	Oshkosh	
Palletized Load System (PLS)	Production FHTV-4	Production FHTV-5 Award JUN 24	Sole-Source	POM	Oshkosh	
Enhanced Heavy Equipment Transporter System (EHETS) Truck	Production	Kit Production Awarded 12 DEC 23	Kit Procurement then RRAD	POM	Kit-Oshkosh Install-RRAD	
EHETS-Trailer	Production	N/A	Sole-Source	Thru FY24	Oshkosh	
Medium Equipment Trailer (MET)	Production	Production Award 22 NOV 23	Sole Source	POM	Oshkosh	
M870A4, Semitrailer, Lowbed, Construction Equipment Transporter 40 ton (SCLET)	TDP Production	Production RFP FEB 2024 Award FEB 2025	Small Business	POM	Schutt Industries	
M872A4 34-Ton Semitrailer	Production	Production Jan 24	Sole-Source	POM	Talbert	
M917A3 Heavy Dump Truck (HDT)	Production	Production award Nov 24	Sole-Source	Thru FY25	Mack Defense	

# MPVS Products



Platform/ Nomenclature	Phase	Follow-on	Competition	Funding Status	OEM	
FMTV A2 & Trailers	Production & Deployment	3yr Ctr Ext FY25-28	Sole Source	POM	Oshkosh	
FMTV A1P2	Production & Deployment	N/A	N/A	None	Oshkosh	
FMTV Protection Kits	Production & Deployment	3yr Ctr Ext FY25-28	Sole Source	None	Oshkosh	
FMTV LVAD	Production & Deployment	3yr Ctr Ext FY25-28	Sole Source	POM	Oshkosh	
FMTV Demand Reduction Efforts	Engineering & Manufacturing Development	N/A	Various	RDT&E, OEPP	Various	
CATV	Production & Deployment	N/A	Sole Source	Fully funded for APO (130)	BAE Systems	
Yard Tractor	Production & Deployment	N/A	GSA Schedule	NGREA	TBD	
25 Ton Semi-Trailer Low Bed	Production & Deployment	1yr Ctr Ext FY26-27	Sole Source	POM	Fontaine	
Protected Mobility/Integration (M-ATV & MaxxPro)	Operations & Support	N/A	Various	Program Complete	OshKosh, Navistar	
Route Clearance Vehicles	Operations & Support	N/A	Various	Program Complete	GDLS, BAE, CSI	
EHP Roller	Production & Deployment	N/A	N/A	None	Globe Tech	