



KHROM Solutions brings **embedded engineering expertise** to defense prime contractors and government program offices across the ground combat vehicle domain — from architecture concept and prototype build through EMD execution, production integration, and fleet sustainment. Our founding members bridge legacy defense expertise with next-generation thinking. **Driven by a new vision** to deliver rapid, reliable and cost-effective solutions.

**35+**

YRS COMBINED EXP.

**4**

DEFENSE PRIMES

**10+**

PROGRAMS OF RECORD

**SECRET**

CLEARANCES HELD

**\$64M+**

MANAGED PROJECT VALUE

**PLATFORM & PROGRAM EXPERIENCE**

<b>XM30</b>	<b>M88</b>	<b>AMPV</b>	<b>MPF</b>	<b>PIM</b>
<b>UGV</b>	<b>Bradley / BHEV</b>	<b>M1 Abrams</b>		

**CORE COMPETENCIES**

**VEHICLE ELECTRONICS ARCHITECTURE**

- System, subsystem, interconnect diagrams
- GCIA / MOSA compliant architecture design
- CAN bus, Ethernet, Power, Video architecture
- Turret and Chassis integration

**C5ISR / NAVIGATION / ELECTRONIC WARFARE**

- Engineered Solutions for multiple subsystems
- Crew Stations, Situational Awareness
- Computing & Data Distribution, Mission Command
- GPS/APNT/INS, Radio/Intercom, EW Countermeasure
- Vehicle Protection Suite integration

**POWER SYSTEM & HV ELECTRIFICATION**

- 28VDC & 600VDC Power Architecture
- High-voltage Electrified Powertrain Design & Validation
- Power Conversion, Distribution, Energy Storage
- Power Budget & Analysis

**CABLE & INTERCONNECT**

- Harness Design, Fabrication, Inspection
- Schematic design, Vehicle Partitioning
- CAD Model Cable Routing & Coordination
- MIL-Spec Compliance & Design

**SYSTEMS ENGINEERING & MBSE**

- Requirements development, decomposition, traceability
- SysML / Cameo IBDs, Activity & Sequence Diagrams
- Trade studies, Technical Evaluation, Component Selection
- PDR/CDR artifact development and customer briefings

**TEST, EVALUATION & INTEGRATION**

- Prototype Vehicle Build
- Formal Test Procedure development
- Track & Dyno testing
- HiL/SiL integration
- Data acquisition and real-time monitoring

**PROGRAM EXECUTION & SUPPLIER MANAGEMENT**

- Proposal / Statement of Work (SOW) authorship
- Contract Officer Technical Representative (COTR)
- Budget & Schedule management
- Risk Mitigation Management

**OUR DIFFERENTIATORS**

<p><b>MULTI-PRIME PEDIGREE</b></p> <p>Hands-on experience across 4 defense organizations (BAE, Hanwha, American Rheinmetall, PEO/GVSC) — rare cross-pollination of program cultures and acquisition approaches.</p>	<p><b>GOVERNMENT + INDUSTRY</b></p> <p>Direct experience as U.S. Government civilian engineers within PEO GCS and GVSC, combined with prime contractor execution. We understand both sides of the acquisition landscape.</p>
<p><b>CONCEPT → PRODUCTION</b></p> <p>Not staffing generalists. Our team owns the design from concept through MBSE, schematics design, integration &amp; build, to fielded ESIP support.</p>	<p><b>FULL-SPECTRUM SOLUTIONS</b></p> <p>Hardware design + embedded systems + software + systems engineering + test execution + data analytics + program management in a single team. No siloed handoffs, no coordination overhead.</p>

**TOOLS & TECHNOLOGIES**

<b>ECAD</b>	Zuken E3, PSPEC, LTSpice	<b>MBSE</b>	Cameo SysML
<b>VEHICLE NET</b>	CANoe/CANalyzer, Wireshark, PCAN	<b>CAD</b>	PTC Creo, AutoCAD, Solidworks, CATIA, TcVis
<b>PLM</b>	Windchill, Teamcenter	<b>DATA</b>	Power BI, Power Query, MATLAB, Visual Studio
<b>TEST/DAQ</b>	DeweSoft, Oscilloscope, DMM, Signal Generator	<b>DEV</b>	Python, VHDL, Verilog, C++, JavaScript, SQL, Agentic AI Systems

**ACQUISITION LIFECYCLE COVERAGE**

<b>PROPOSALS</b> Bids, SOWs, RFIs	<b>TMMR</b> Pre-Prototype	<b>EMD</b> Prototype, MTA	<b>PRODUCTION</b> LRIP / FRP	<b>SUSTAINMENT</b> Obsolescence
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Team collectively covers every major DoD acquisition phase with direct execution experience — not advisory or analytical involvement.

**CLEARANCE & COMPLIANCE**

**Active U.S. Secret clearances** held across founding team. All personnel are U.S. Persons eligible for ITAR/EAR programs.