FEMA Corporation

Advanced Electro-Hydraulic Solutions for **Agriculture and Construction Platforms**

FEMA Corporation designs and manufactures **advanced electro-hydraulic proportional valves and custom manifolds** for the most demanding mobile equipment

- **Location:** Portage, Michigan, USA
- **Model:** Engineering-led supplier, early development involvement
- **Focus:** Precision motion control, durability, lifecycle support
- **Experience:** 50+ years supplying Agriculture and Construction

Engineering Integration

FEMA works as an **extension of the OEM engineering team**

- Valve and manifold architectures tailored to machine and implement functions
- Compact integration to reduce hoses, leak points, assembly time, and potential warranty costs
- Alignment with OEM electronic control units and software strategies

Validation Support

FEMA incorporates **ISO 17025:2017 certified testing** into all our product lifecycles

- Application-specific testing and performance verification
- Iterative refinement during development
- Documentation aligned with OEM validation and release requirements

Reliability & Lifecycle

FEMA products are designed for **continuous-duty agricultural and construction environments**

- Stable performance over long operating hours
- Robust designs tolerant of contamination, vibration, and temperature extremes
- Reduced downtime risk, improved machine availability, and lower warranty cost exposure

Agricultural and Construction Equipment

FEMA solutions are especially relevant to Agricultural and Construction Machines where smooth, predictable motion and durability directly affect productivity. In tractors, harvesters, wheel loaders, and construction equipment, precise proportional control **improves implement responsiveness, reduces operator fatigue, and maintains performance across long duty cycles and harsh environments.**

ISO 9001:2015 | ISO 14001:2015 | ISO 17025:2017 | IATF 16949:2016

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FEMA

FEMA Corporation delivers **precision, reliability, and disciplined service**

Supporting your engineers from **development through production**

Total Cost of Ownership

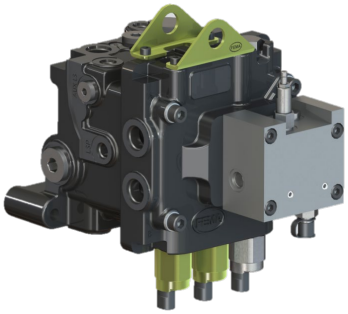
FEMA focuses on **overall system-level value**

- Reduced system complexity
- Improved uptime and service life
- Lower risk of late-stage design changes
- Fewer quality escapes in the field

Supplier Qualification Alignment

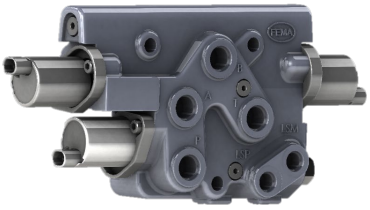
FEMA directly **supports purchasing and supplier quality teams**

- Clear qualification and approval roadmap
- Defined documentation, traceability, and change control
- U.S.-based, repeatable processes, long-term supply mindset aligned with multi-year platforms



Typical Engagement Path

1. Target application discussion
2. Concept and feasibility review
3. Prototype and validation support
4. Supplier qualification
5. Series production and lifecycle support



Where to Begin?

FEMA welcomes a **joint engineering and purchasing discussion** to:

- Review control, durability, or integration challenges
- Align on supplier evaluation expectations
- Identify a focused pilot or development application

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