

AeroFrohne and MDC Engineering Announce Strategic Partnership to Advance Texas Infrastructure

Collaboration integrates advanced LiDAR scanning and 3D visualization with premier civil engineering to deliver data driven drainage and transportation solutions.



Corpus Christi, Texas Apr 21, 2026 (Issuewire.com) - AeroFrohne, a leader in advanced aerial mapping, LiDAR scanning, and 3D visualization, and MDC Engineering, PLLC, a premier civil engineering firm specializing in drainage and transportation, today announced a strategic partnership. This collaboration integrates next generation reality capture technology with decades of technical

engineering expertise to deliver high precision, data driven infrastructure solutions across Texas.

Synergy in Infrastructure and Design The partnership combines AeroFrohne's expertise in 3D Gaussian Splatting, LiDAR to BIM workflows, and Ai assisted inspections with MDC Engineering's robust capabilities in Hydrologic and Hydraulic (H&H) modeling, roadway PS&E, and land development. By leveraging AeroFrohne's georeferenced aerial data, MDC Engineering can now enhance its design accuracy and project timelines, particularly for complex flood control and transportation projects.

Capabilities of MDC Engineering, PLLC Led by Mark D. Corbitt, PE, CFM, MDC Engineering brings over 22 years of specialized experience to the partnership. The firm is recognized for its comprehensive service offerings, including:

- **Hydrologic & Hydraulic (H&H) Expertise:** Extensive experience in flood control modeling and scour analysis.
- **Transportation Engineering:** Proven track record in managing roadway PS&E projects for major TxDOT and local initiatives.
- **Land Development & Regulatory Compliance:** Mastery of design requirements for FEMA, TxDOT, and TCEQ.
- **Utility & Construction Management:** Dedicated oversight of utility coordination and quality control.

Notable Projects: Mark Corbitt's portfolio includes high-impact regional projects such as the City of Edinburg Master Drainage Plan, the USIBWC Flood Pump Design, and significant roadway improvements for SH 365 and FM 1924.

About AeroFrohne: AeroFrohne is a Texas-based technical visualization firm specializing in Reality Capture, Scan to BIM, and Geospatial Intelligence. Utilizing Ai, LiDAR, and drone technology, AeroFrohne provides measurable, defensible data to support engineering and construction teams worldwide.

About MDC Engineering, PLLC: MDC Engineering, PLLC, headquartered in Edinburg, Texas, provides comprehensive civil engineering services. Under the leadership of Mark D. Corbitt, PE, CFM, the firm delivers specialized solutions in drainage, transportation, and land development design.

Media Contact:

MDC Engineering, PLLC: Mark D. Corbitt, PE, CFM (Edinburg, TX)

AeroFrohne LLC: Derrick Frohne, Owner (Corpus Christi, TX)



Media Contact

AeroFrohne

*****@aerofrohne.com

3613567002

5401 Burton Ln

<https://www.aerofrohne.com>

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