

/// CAPABILITY NARRATIVE

LiteAir TEC is a Texas environmental-technology company that designs and manufactures modular carbon capture systems, installs them on industrial facilities, and operates them with sensor-backed environmental intelligence and 45Q reporting support.



/// CORE COMPETENCIES

MODULAR CARBON CAPTURE

Proprietary, multi-stage systems for industrial Facilities - HEPA + AC filtration, enrichment, separation, and retrofit.

DEPLOYMENT & OPERATIONS

Full-stack delivery: site assessment, permitting, installation, commissioning, O&M, and continuous optimization.

ENVIRONMENTAL INTELLIGENCE

Sensor networks and digital twin analytics deliver real-time insights, anomaly detection, and audit-ready environmental data.

CARBON REVENUE & 45Q

Measurement, verification, and reporting to qualify, track, and monetize carbon tons with 45Q credit support and documentation.

CONSULTING & REMEDIATION

Emissions strategy, air quality assessment, remediation support, and water & waste coordination for industrial sites.

EMISSIONS MONITORING & REPORTING

Continuous monitoring, regulatory reporting, and 45Q-aligned documentation to keep you audit-ready.

/// DIFFERENTIATORS



MULTI-STAGE CAPTURE SYSTEMS

High-efficiency, modular hardware engineered for scalable performance.



IN-HOUSE HARDWARE MINDSET

We design and manufacture our systems for reliability, rapid iteration, and long-term support.



MINIMAL PLANT DISRUPTION

Retrofit-first approach installs without stopping production.



INTEGRATED FROM ASSESSMENT TO OPS

One team, end-to-end assessment through operations and reporting.



AUDIT-READY DATA

Continuous, sensor-backed data and digital twin transparency for regulators and stakeholders.



MISSION ALIGNMENT

Built to support industrial operators, federal agencies, and prime contractors.

/// REPRESENTATIVE PAST PERFORMANCE

INDUSTRIAL DECARBONIZATION DEPLOYMENT (MULTI-SITE)



Designed, installed, and operate modular carbon capture systems on industrial facilities across Texas. Systems deliver continuous emissions capture, real-time monitoring, and 45Q reporting support.



SITE WALK TO FIRST CREDIT:

Completed end-to-end deployment, from assessment and permitting to commissioning—in under 90 days.



45Q-READY OPERATIONS:

Deliver continuous data, M&V reporting, and documentation packages that support credit qualification and audits.

/// COMPANY DATA / CLASSIFICATION

Legal Business Name	LiteAir TEC, Inc.
Address	9515 Chelmsford, San Antonio, TX 78239
Founded	2021
UEI	PMT9L7RX2MS2
SAM.gov Status	Active
Email ✉	Francis@liteairtech.com
Website	liteairtech.com

NAICS / PSC:

POINT OF CONTACT

Francis N. Welch

Chief Executive Officer

Francis@liteairtech.com

(801) 739-4383

San Antonio, TX



We build the systems that capture emissions at the source and turn them into measurable climate impact and economic value.

— LiteAir TEC