FROM CONCEPT... TO COMPLETION...

INDUSTRIAL DUST COLLECTION
ENGINEERING & DESIGN

4739 South Mendenhall Road • Memphis, TN 38141
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SERVICES OFFERED:

♦ **Combustible Dust & NFPA Consultation**

Our senior engineer is a member of five NFPA National Committees relating to combustible dusts: 61, 652, 654, 664 & the Correlating Committee. This participation, in combination with over 100 years of combined dust collection system design experience, makes us uniquely qualified to assist our customers in evaluating and mitigating the risks from handling combustible dusts in dust collection, pneumatic conveying and material handling applications.

♦ **Dust Collection System Audits**

We will send an experienced engineer to your facility for an on-site review of your existing dust collection system or systems. During that visit we will gather analytical data of existing equipment, make observations of dust generating processes and consult with area operators to gain a better understanding of the objectives and issues. Following the site visit we will prepare a comprehensive written report that will provide AutoCAD drawings of the system, written evaluation of the current performance and then conclusions and recommendations for system improvement.

♦ **Mechanical Engineering & Design Packages**

Our team of experienced engineers and AutoCAD designers will design your dust collection system to provide proper operation and regulatory compliance in accordance with the Industrial Ventilation Manual and NFPA Guidelines. System design includes: proper hood design, system sizing using the Velocity Pressure Method, duct routing and sizing for maintaining balanced air flows, equipment specifications (dust collector, fan, etc.) and any explosion protection equipment that should be included. After the design is complete, Airdusco EDS will provide a complete set of mechanical layout drawings including: System Flow Diagram, Plan, Elevation and Section View drawings of the system to allow for accurate bids for equipment purchase and mechanical installation. Airdusco EDS is capable of providing these drawings in both AutoCAD 2D or AutoDesk Inventor 3D.

♦ **Central Vacuum Cleaning System Design**

A critical component of **OSHA’s Combustible Dust National Emphasis Program** is proper housekeeping and the requirement to keep dust accumulations to a minimum. An acceptable and efficient way to allow employees to maintain the cleanliness of their area is a properly designed Central Vacuum Cleaning System (CVCS). Airdusco EDS has many years of experience in designing high performing CVCS systems.