

# CAPABILITIES, PRODUCTS, & SERVICES



Fox Equipment is a Jacksonville, Florida based designer and manufacturer of power and process air and gas systems and system components. In 2019, Fox Equipment acquired Industrial Environmental Systems, IES. Now, combined, our engineers and designers have hundreds of years of application and design experience with stacks, ductwork, dampers, expansion joints, silencers, and support systems.

Fox Equipment Engineers have been designing and building steel and fiberglass stacks for over forty years. Typical designs include single wall stacks, insulated dual wall stacks, internally lined high-temperature stacks using both fibrous and hard refractory linings. We also utilize corrosion resistant alloy steels and corrosion resistant linings to most economically meet our customer's needs. All necessary ancillary equipment can also be packaged with our stacks such as testing equipment, platforms, ladders, FAA warning lighting, and lightning protection.

Our professional engineers are registered in numerous states, provinces, and territories. We are also active members of relevant industry technical associations such as ASME, ASCE, CICIND, and ABMA.



## System Design

Fox Equipment is in a unique position to offer single source exhaust systems. Fully integrated systems of dampers, ducts, supports, expansion joints, stacks, and noise control are commonplace for Fox Equipment.

Applications include boilers, furnaces, refineries, engines, kilns, air systems, and combustion turbines.



## Tuned Mass Dampers (TMD)

TMDs are the preferred method of controlling large dynamic deflections due to self-induced vortex shedding. TMDs are commonly used in the design for new structures. TMDs can also be used to great advantage on existing problem structures where existing shells and foundations need to be reused.

## Custom Solutions and Products

Fox Equipment engineers are multi-disciplined mechanical and structural engineers. Let us review your requirements and specifications so we can assist you.

- Computational Fluid Dynamics
- Finite Element Structural Analysis
- Plate structures and vessels
- Fiberglass
- Silencers
- Inspections
- Consulting

