

American Ecotech Field Labs

Mid Sized Fixed Field Labs, length from 8' to 20', energy efficiency design.



Large Fixed Field Labs, utilizing recycled shipping containers, size either 20' or 40'



Mobile Trailers, Vans, & Truck systems



MiniShelters



Field Monitoring Laboratory Features

American Ecotech designs and builds fully customized air monitoring field laboratories utilizing a variety of structural platforms as listed below. From specialized research projects, to source and nuisance monitoring, to portable stack monitoring systems American Ecotech is able to build a field monitoring infrastructure system to meet your needs exactly. We can also go one step further and integrate all your instrumentation too, upon your request. Contact us to discuss your needs.



- Designed and built by us here in the USA
- Interiors fully customized to specific monitoring needs.
- Variety of HVAC systems options including energy efficient models
- Full factory integration, including integrating your instrumentation (upon request)
- LEEDS design principles implemented into each shelter design = low carbon footprint
- Roof access with collapsible roof railing and roof reinforcing for particulate samplers.
- Customized sampling manifold systems from glass and Pyrex® to PTFE.
- Tower options ranging from standard fixed breakback to telescoping pneumatic masts.
- Customized shock mounts for racks
- Options for self-sufficient power including low emissions generator sets or solar power.
- Remote data acquisition, GPS integration
- Variety of HVAC systems options including highly energy efficient models



Dimensions: Any L x W x H configuration is available. Smallest size is 4' x 5', Largest size is 8'x 40'

Internal Design: Customized to specific needs including optional storage area

Insulation: Up to R-25 equivalent is available.

Flooring: Industrial heavy duty flooring

Electricals: Customized to your specifications/application requirements.

HVAC: 1.5 ton Industrial HVAC with 3,000 watt heater (other options available)

Other Optional Features: Collapsible roof railings; leveling jacks; attached meteorological tower (tubular, nesting, or pneumatic mast); sampling manifolds fully installed (glass, Pyrex®, PTFE); instrument racks installed, ceiling mounted outlets for racks; shock mounted rack systems; exhaust manifold; work bench; filing cabinet; signal cable boxes; lightning protection.