

## INDUSTRY

Power  
Generation /  
Distribution



# Transport heavy power plant components from 500 lbs. to over 5,000 tons

AeroGo® load moving systems are a proven method to move oversized, awkward, unbalanced or heavy components such as feedwater heaters, nuclear casks, turbines, and transformers. Air casters utilize available compressed air to reduce floor load and safely maneuver through aisle ways and constricted spaces typical in both fossil fuel and nuclear power plants.

Since 1967, AeroGo air caster products have helped the power industry move and position equipment of all sizes and weights, safely and efficiently.

**Reduce Downtime.** Air casters have proven to reduce plant downtime by at least 50% compared to overhead or boom cranes, lift trucks, rollers, or wheel systems.

**Adaptable.** Air caster systems easily adapt to any load configuration. Even unbalanced and irregular loads can be managed by appropriate placement of air casters.

**Low Friction, Unrestricted Movement.** Air casters lift and float any size load via nearly frictionless movement, making it possible to maneuver in an unrestricted manner in all directions to precisely position a component in its final location.

**Low Maintenance.** Systems operate on standard compressed air. Very few moving parts ensure very low maintenance costs.

**Prevent Damage to Floors.** Air casters distribute heavy loads over a large surface area, achieving low floor loading levels impossible to attain using skates, rollers, wheels or other conventional methods. Air casters do not create pits or scrapes in the floor surface.

**Safety.** Nearly frictionless movement reduces operator strain and injury compared to any other available load movement methods.

**Application:** Transport power distribution transformers

**Load:** 250-800 tons

**Solution:** Two Air Cushion Vehicles (AVs)

**AeroGo Advantages:**

- AVs can be used as single units or in tandem
- Synchronized steering controlled by remote pendant in single or tandem mode
- Load weight is dispersed, extending the life of epoxy floor coatings



**Application:** Replace an aged heat exchanger in an existing power plant; move path constricted by overhead encumbrances

**Load:** 40+ tons

**Solution:** Air Caster Rigging System

**AeroGo Advantages:**

- Reduced plant downtime: moved in hours instead of days
- Controlled maneuvering through non-fixed travel paths
- Much faster and safer than wheels, rails, or cranes
- Can be used alone or with assistance from cranes and forklifts



**Application:** Move nuclear waste containers into storage

**Load:** 220 tons

**Solution:** Engineered Aero-Drive system

**AeroGo Advantages:**

- Prevents damage to concrete pads
- Tractor steering accurately places the load to within 1/2"
- Low profile; easily fits under a cask on 5" high jacks
- Single operator can easily move and position storage casks

