

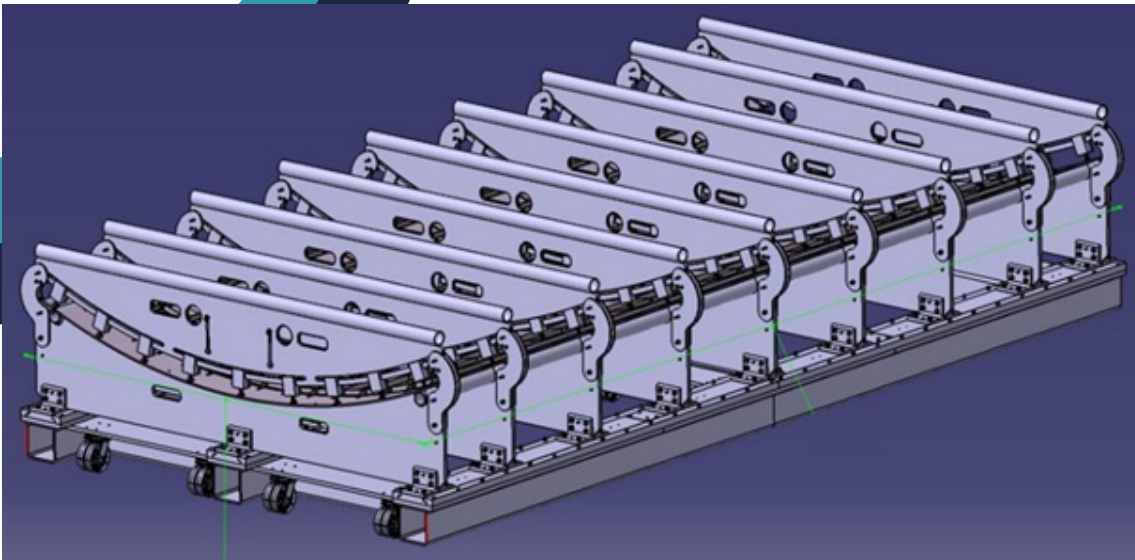
Prepared For :
D-J Engineering

The logo for ASE systems is centered in the upper half of the page. It features the letters 'ASE' in a large, white, sans-serif font, with the word 'systems' in a smaller, white, lowercase sans-serif font directly below it. The text is set against a circular gradient background that transitions from a light blue at the top to a darker blue at the bottom. This circle is surrounded by a thick, teal-colored ring that curves around the top and right sides of the page.

ASE
systems

Case Study

MANEUVERING 23,000 LBS ALUMINUM
FIXTURES SAFELY & EASILY



Load Specifications

- Aluminum fixture
- Weight- 23,000-lbs each
- Size: 141” x 288”
- Clearance to the floor: 1.875”

Application Analysis and Handling Issue

Large aluminum fixtures weighing 23,000 lbs each need to be maneuvered within a limited area. This task was difficult to perform in the space that was available on standard wheel and caster assemblies, then pushed by fork truck. D-J Engineering needed a system that could slip under the beams of the fixture and be easily removed when not in use.

The Solution

ASE specified one of our air caster load module systems #TS-32-21N rated at 32,000-lb capacity. The system includes four 21” air casters load modules, four interconnect hoses with quick connect couplings and one air regulation control console. The air regulators contained in the control console ensure that the incoming air is properly distributed to each load module even if the load weight is unevenly distributed. The air caster load module system enables precise positioning, side-shifting and omni directional movement of the load. With this technology one pound of force exerted by the operator will move a 1,000-lb load.

Key Technologies

Air Casters

<https://www.asesystems.com/air-casters/load-module-rigging-systems/selection-guide/>

