

Heavy Construction Industry



APPLICATION:

An Airfloat customer needed a safe and efficient method to move large excavators through the assembly process.

SOLUTION:

Airfloat designed and built a series of air bearing platforms to automate the customer's assembly line process. Weights reach 85,000 lbs as the vehicle nears the end of the assembly line and the boom is added. At the final station the assembled excavator, complete except for the bucket, is driven off the transporter.

BENEFITS:

- The operator can easily maneuver the loaded platform with the use of friction-free, omni-directional air bearings.
- The operation time was cut dramatically, resulting in increased productivity.
- This massive load is carried by eight 36" diameter air bearings (four under each track section) operating at an average pressure of only 12 PSI.
- The use of air bearings allows easy changes in assembly line layout without facilities modification.