



CASE STUDY & INSIGHTS FROM OUR WORK

Logistic Cost Reduction through optimised load formation in Steel Tube manufacturing

Progility played a pivotal role in assisting one of India's largest steel tube manufacturers in optimizing their third-party Logistics Cost through optimizing the pack sizes and load formation in vehicles. The Project successfully facilitated the establishment of Optimal Bundle Size across five manufacturing sites maximising truckload per trip and uniformity across all sites.

Key Challenges Identified



Irregular bundle sizes across sites led to less packing efficiency of the truck and higher freight cost

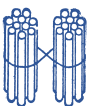


Higher truck loading time due to Irregular Bundle sizes leading to higher truck turnaround time & costs



Irregular bundle sizes lead to less storage capacity in plants which eventually impacts truck loading time & higher inventory

How we helped



Designed Optimal bundle size using scientific approach of balancing truck sizes and tube bundle formations



Decreased Packing Strip Cost/MT due to optimal Bundle sizes



Flexibility of clubbing multiple SKUs become easier as sizes are now uniform across different products & plants



Decrease in Truck loading time due to optimal bundle sizes



Our Impact

15-20%

Packing Efficiency

10-15%

Freight Cost Reduction

10-15%

Reduction in Truck Loading time

10-15%

Reduction in Packing Cost