

Reducing Heat Loss

Situation before:
 An automobile component manufacturing company uses electrical heating systems to keep the temperature of degreasing baths at 80 °C, acid wash baths at 150 °C, and blackening baths at 155 °C. Operations are carried out for 15 hours per day. Tanks are not insulated and open on top.



Pic: Top surface not insulated

IMPROVEMENT DONE

Insulation to top surface achieved through plastic balls floating on top.



ECO IMPACT

Savings/year: 43,200 kWh
Savings/year: 66,600 l/water
Savings/year: Rs. 2,10,000
Cost: Rs. 42,000
Payback time: 0.2 year