Incentives to Change
Increasing the transfer efficiency of the coatings and reducing water consumption in the washers will lead to significant cost savings, waste and emission reductions.

Company
Nordic Ware is located in St. Louis Park, MN. A leading manufacturer of high quality and innovative kitchenware products.

Intern Project
There are opportunities to increase the transfer efficiency of the spray painting of Nordic Ware products, as well as optimizing water usage.

Solutions

- **Overhead Paint Line for Grills:**
  Increases the production rate by 200% and allows line to be used for other products which are coated while hanging.

- **Single Pass Paint Line:**
  Changing the paint line to use an intermediate IR par bake system between the booths would double the production capacity and reducing the labor and overhead cost.

- **Improve Grill Transfer Efficiency:**
  Use an Orientator which can turn the grill at 180° between the booths for better coverage without rotation.

- **Replace the DI Water Rinse nozzles**
  Reducing DI water use from 11 GPM to 3.5 GPM still rinses the parts efficiently in both the washers.

- **Switch to City Water and Adjust Air Knife to 4” From Parts:**
  - Using city water reduces the foam formation in the rinse tank of the washer
  - Air Knife blows the soap contents back into the wash tank which helps reduce the foam formation and maintain the conductivity of the DI Rinse tank.