## Project Scope

Nalco used a patented coil cleaning process to clean air coils in an HVAC system at a Nissan plant.

## Project Summary

Nalco cleaned 15 air coils in one area of the painting operation and one administration air coil by flushing the systems with Nalco product to remove deposits. This patented cleaning process improved coil heat transfer efficiency and reduced fan energy requirements to operate the system.

- **Energy Savings**
  - $59,800 in annual electrical savings
- **Investment**
  - $18,300
- **Financial Return**
  - 3.3 months
- **Other Benefits**
  - Improved air balancing and conditioning control in the paint booth area, and reduced CO₂ emissions

## Monitoring & Verifying Energy Savings

Energy savings were determined by comparing performance of the coils measured both prior to and after the cleaning. Energy savings also reflected the reduction in necessary fan power due to well-maintained coils.

## Distinguishing Value

A patented cleaning process was employed to reduce maintenance time and minimize interference with plant processes. The project was completed during non-production hours, eliminating any negative impact on production.