

## *Case History 9*

### *Process Improvement Project – Industrial Paint System*



Process Oven: Modify the Mod Ovens to eliminate the Final Bake Oven

Energy Savings Opportunity:

Air Flow Reduction, eliminating the Final Bake Oven completely out of the production process, will provide natural gas and electricity savings.

How Implemented:

To implement, we extended the radiant panel of the Mod Ovens by 15' on the entry side of the oven. This oven extension, allowed enough curing time to fully bake a vehicle for the required 20 minutes @ 255F. With this requirement being met, the plant was able to eliminate the Final Bake Oven.

Energy Reduction:

The elimination of all air flow for the Final Bake Oven, including all natural gas usage and process fans on the oven.

Implementation Cost: \$536,800

Energy Savings Achieved: \$421,100 annually

