HVAC NEW LIFE™

Engineered Solutions

CASE STUDY

Exhaust hood restoration saves university $983,000 in CAPEX versus new replacement.

The Project:

A Florida university recently partnered with HCA to open up a new expansion on their medical education facilities. Eleven (11) large laboratory exhaust hoods were severely corroded over years of continuous use.

The Concern:

The university originally requested that a certain brand of common paint be used. They stated that all contractors bidding the job follow the exact written specifications provided by the paint manufacturer. Upon researching the specifications, Pure Air Control Services found that the "recommended uses" and "certifications" supplied by the paint manufacturer did include uses for any type of metal and/or HVAC equipment.

The Solution:

The university was made aware of Pure Air Control Services proprietary HVAC New Life process that utilizes high performance coatings made to withstand the rigors from mechanical equipment use. PURE-Coat is a multi-siloxane paint that is flexible, corrosion resistant and antimicrobial. The restoration process included preparing the exhaust hoods by removing flaking paint/corrosion, repairing deteriorated areas and garnet blasting the surface. Then the exhaust hoods were primed and painted with PURE-Coat. The university was extremely pleased with the outcome and looks forward to many more continued years of use with the exhaust hoods.

The Savings:

The cost for replacing the 11 exhaust hood would have been approximately **$1.1 million**. Restoration of the equipment using PURE-Coat was **$117,000**. This saved the university **$983,000** CAPEX.

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