

# EXTERIOR CONDENSATION PROBLEMS

- HIGH SURFACE TEMPERATURE
- EXCESSIVE, UNDESIRABLE INTERIOR PRESSURE DUE TO RADIANT AND CONDUCTED HEAT
- HIGH CONDENSATION AND CONSEQUENT CORROSION
- DRIPPING AND DAMAGE OF VALVE SYSTEMS AND CONTROLLERS
- SURFACE DETERIORATION THEREFOR, REDUCED LIFE OF THE SYSTEM
- EXPENSIVE SAND BLASTING LABOR COSTS TO RECOAT AND HIGH MAINTENANCE COSTS
- HIGH ENERGY REQUIREMENTS TO STABILIZE SYSTEM



## PROBLEM

THE REGULAR HIGH-QUALITY INDUSTRIAL WHITE ENAMEL THAT WAS USED TO PAINT THIS SPHERICAL TANK IS EXPERIENCING VERY POOR ADHESION, THE RESULT IS EXTREMELY HIGH CONDENSATION AND CONSEQUENT DETERIORATION AND CORROSION.

## ProTek-USA

THIS IDENTICAL SPHERICAL TANK WAS COATED WITH PROTEK-RUSTCOTE™, A ONE-PART POLYURETHANE, AS A PRIMER AND PROTEK-THERMCOTE/F™, A WATER-BASED CERAMIC ELASTOMERIC, THIS SYSTEM BONDS DIRECTLY TO THE SURFACE, CREATING A TIGHT INSULATING SEAL AND CONTROLLING THE LOSS OF HEAT OR COLD THROUGH THE SURFACE

## SOLUTION



- COATS METAL SURFACE AND INSULATES IT FROM RADIATION AND CONDUCTION OF HEAT
- HELPS MAINTAIN SYSTEM PRESSURE AND TEMPERATURE, THEREBY DECREASING FATIGUE OF MATERIALS AND PROLONGING THE LIFE OF EQUIPMENT
- REDUCES ENERGY CONSUMPTION
- RESULTS IN EXCELLENT RELATION OF COST-TO-BENEFIT RATIO AS IT IS NOT NECESSARY IN MOST CASES, TO SHUT DOWN THE SYSTEM IN ORDER TO RE-COAT
- SHUT-DOWN FREQUENCY FOR REFURBISHING IS SUBSTANTIALLY REDUCED OR ELIMINATED