



Location: United States

AMI system improves application of coatings and adhesives in the aerospace industry

Aerospace coatings and bonding primers require high-quality water during their application.

Challenge

An aerospace coatings application facility was seeking a solution to enhance the quality of its coatings, adhesive bonding primers, and solid film lubricants.

The facility, servicing aerospace and satellite companies, needed high-quality water for its application processes. Any impurities from the well water source could damage equipment or compromise the adhesion of coatings and performance of lubricants.

The customer approached Applied Membranes for a solution.

Solution

Applied Membranes designed and built a **20 GPM (5 m3/h)** Reverse Osmosis (RO) system.

The AMI system removed contaminants in the water that can negatively impact the quality of the coatings and films.

Key Components:

- Booster pump
- Multimedia filter
- Antiscalant
- Clean-in-place system
- ORP Monitor

Results

AMI system empowers the coating facility to maintain consistent results for its application.

Consistency: The product water from AMI system ensured consistent and superior quality coatings, bonding primers, and solid film lubricants.

Quality: AMI system was integrated seamlessly into the facility's operations, ensuring a continuous supply of high-quality water.

Efficiency: AMI system optimized the customer's processes, leading to increased efficiency, reduced wastage, and improved outcomes.

