



Practice Facilithon

Role-Play Scenario

Curt's Printing is a large-scale web-offset magazine printing company in Waukegan IL. Curt's has 4 Heidelberg presses, of which one is currently dismantled for repairs and upgrades. The company has a new customer who will be increasing Curt's printing output by 50% in the next year, potentially doubling production in three years.

Curt's Printing uses reverse-osmosis cleaned water for daily production, specifically in fountain solutions for their printing process. The cleaned water prevents impurities from entering and damaging/clogging the printers, whose output exceeds 50,000 pagers per hour. Each press uses 150 gallons of this water daily. The company filter system has a capacity to produce 41 gallons per hour. The average startup need per press is 75 gallons. Upon first shift startup, the reverse-osmosis system cannot produce enough purified water to support production, delaying startup and preventing 3 of 4 presses from running in the first two hours. The reverse-osmosis filtration system was installed in 2005 at a cost of \$15,000. New units cost upwards of \$28,000.

You will be presenting to the ownership your findings of the best, most effective means to address these issues.