

Fountain Hills Sanitary District Finds a World-Class Dewatering Solution in HUBER's Q-Press®



"HUBER's US control programmer worked very well with our programmers for integration of the controls into our SCADA system. Just based on a few months of operation, we do anticipate about a 15% reduction in electrical costs due to the new equipment. The equipment is much quieter than the old centrifuges. The screw presses are so quiet you don't know they are on sometimes. We are happy that we can consistently make above 18% dry cake. HUBER's support after construction has been very good. The disc thickeners have not required any further assistance from HUBER and are operating consistently with no issues."

-Dana Trompke, District Manager, Fountain Hills Sanitary District

The Fountain Hills Sanitary District (FHSD) provides first class wastewater collection and treatment services to its community by safely collecting all of the town's wastewater and using sophisticated treatment processes to turn into recycled water used for irrigation at local parks and golf courses.

Challenge:

FHSD was looking to update its existing solids handling processes and therefore was researching various options that would result in improvements in some key areas.

There are quite a few solutions serving wastewater treatment facilities, however the choice field was narrowed due to FHSD's existing facility footprint and the size of the solids processing devices themselves.

Solution:

HUBER rose above the pack.

"HUBER matched up to our physical plant constrictions and the performance requirements. When we compared features with other alternative equipment, HUBER became the clear leader for our project."

- Dana Trompke, District Manager, Fountain Hills Sanitary District

Several traits exhibited by other vendors did not plague the HUBER's solutions.

Most other equipment evaluated either had an open design that – among other things – causes odors to overwhelm the area or required high wash water consumption that strains the plant's potable water system. Some other equipment pilot tested could not stand up to the high summer temperatures that can reach 120 degrees F in this desert southwest community.

Since Fountain Hills had distinct preferences for how their solution choice should work, these vendor traits eliminated their solutions.

The Sanitary District selected the HUBER equipment for several reasons:

1. Staff wanted quieter, more energy efficient equipment than the noisy, high horsepower centrifuges.
2. The District required equipment that could meet the performance requirements, producing a dry cake product with a high-solids capture efficiency and low internal wash water requirements.
3. The District wanted local service technicians to assist with the life of the equipment. Two new service techs were being based out of the Phoenix area.

HUBER's screw press and disc thickener were the right choices because of the:

- Closed design that basically eliminates odor issues.
- Low wash water requirements.
- Responsive service techs local to the Arizona plant.
- Devices sized to fit the facility.
- Accommodation of existing solution footprint.
- Lower horsepower, resulting in energy cost-savings
- Control systems that easily integrated into the plant's SCADA system.