



## WATER TREATMENT

# IFM Implemented a Side-Stream Filtration Unit onto a Cooling Tower

IFM was contacted by a local insulation manufacturer to help with filtering their existing cooling tower closed loop system. IFM determined that the best solution to this problem was to implement a side-stream filtration unit on their existing cooling tower loop.

The previous issue regarding the facility's cooling tower loop was that debris was plugging the instruments on the process lines. Recently they replaced several lengths of the piping along the loop and realized that the existing pipe was extremely scaled

To prevent the clogging to continue, IFM proposed a side-stream filtration unit to filter out the large debris as it is broken down and loosened from the existing piping walls. The unit was designed as a 3-4 hour complete loop filtration.

The equipment that IFM provided for this project was designed for continual removal of large debris as well as particles down to 5 micron. The system was also capable of running in manual or completing automated. IFM also set up the system so it could be bypassed if necessary.



with debris. As chemical treatment was implemented to assist with improvement on the cooling tower operations, the scale and pipe material was letting loose and causing severe issues with the process line dispensing units.

System included an Amiad 100 micron filter with custom set up and automatic flush capability and pressure alarms. It also contains simplistic bag filter housings with visual pressure alarm functions and an automatic multi-depth filter.