Regarding any power plant for electricity production (n-plants or ordinary old technologies), based on water heating, boilers, turbines, heat exchangers..., ultrasound can help in:

1.  Hard mineral layers removal, descaling... modifying water that scaling cannot be created

2.  Acting on long distance in cases o n-power plants, since it is not easy and not recommendable to make ultrasonic processing in a space of high radiation, meaning we can make Clamp-On tubular agitation where circulating water is colder and far from reactor core, and such agitation will produce long penetrating ultrasonic activity with residual, prolonged action.  Locally activated water will enter n-reactor and make internal descaling...  You already have my Clamp-On technology presentation.

3.  There are other applications (using sonorod or sonopush) ultrasonic transducers (you have such transducers) for direct cleaning and decontamination of solid parts contaminated with radioactive particles.