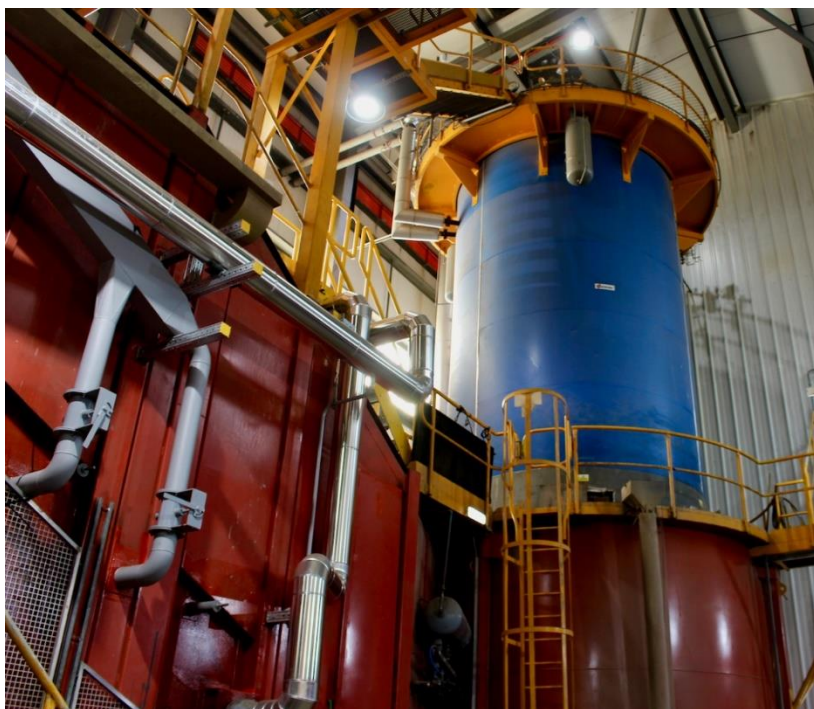


## Saving 90% in time spent on cleaning with the Aerovit SC-Jet

The Lerwick Energy Recovery Plant is placed on the Shetland Islands and provides heat to the Lerwick District heating network. At the Energy Recovery Plant, the fuel used is a mix of combustible household and industrial waste which cannot be recycled.

The waste-to-energy boiler is a 7 MW boiler which were brought into operation in 1999.



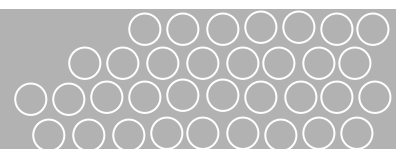
The plant had for a long time struggled with a build up of a large amount of slag in the center boiler core from top to bottom, which was very difficult to clean during the planned shutdowns.

The cleaning of the boiler center core was done manually with an air lance and long scraping tools and the team spent 15 hours to complete each cleaning.

The team at the plant knows the Aerovit company because the Aerovit soot blower solution was already installed elsewhere at the plant and decided to ask for a possible solution to bring down the hours of cleaning and keep the efficiency of the boiler.

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The solution is a manual Aerovit Shower Cleaning solution, the SC-Jet. By lowering down the patented nozzle head down into the boiler core once a week, while the right amount of water is sprayed onto the hot center core walls, it 'rips off' the slag.



*The result is, that instead of cleaning for 15 hours, the team is now spending 30 minutes.*

**Stuart Paton, Plant Engineering Manager at Lerwick Energy Recovery Plant:**

*"...we managed to clean in 30 minutes, the previous shutdown there was about 15 hours of work to clear the centre core build up which was from top to bottom full of slag, so the results so far have been very impressive. We are saving time, the work is much safer and the negative pressure in the system is better as it is not choked up."*

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