Biomass CHP BMC Moerdijk
Reference Story ReceivingOPT BA-T

BMC Moerdijk operates the poultry manure fired biomass power plant on the European mainland. The idea to use poultry manure as a biomass fuel was created in the 90s to find a solution for the excess poultry manure on the Dutch market. The plant is now in operation since 2008 and burns approx. 450,000 metric tons of poultry manure, generating around 285,000 MWh of green electricity. To close the loop, the ash produced is used as a PK fertilizer.

BMC is using water- and ash content plus net calorific value as their basis for quality management and billing already for quite some time now, but always did so using an external laboratory. The aim of installing an APOS BA-T system was to be able to react to quality deviations instantly, before the truck is unloaded. BMC is using an automated testing station that pulls a sample from each truck coming in. The analysis is done instantaneously by the APOS system and BMC also uses the automated APOS solution for running the journal for incoming fuel.

For BMC, APOS developed new calibration sets for various kinds of poultry manure over several months and BMC started using the system after an initial validation phase. The system is now in daily operations since early 2014 and the calibration has been fine-tuned a few times to improve the agreed measurement accuracy further.

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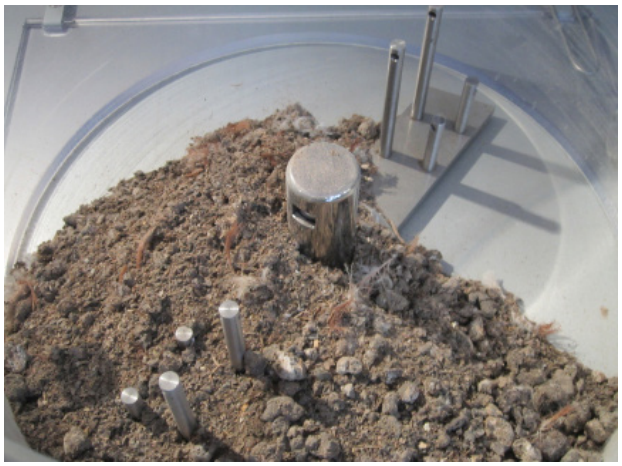

Poultry manure inside the APOS system

Gerd-Jan de Leeuw, in charge of fuel supply and quality management at BMC said: "For APOS and BMC the development of the calibrations was a challenging exercise that we worked on jointly. Now the system is in daily operations for quite some time. It allows us to react immediately on fuel quality rather than waiting on lab results. Let alone the cost savings we see."