



INDUSTRIES



mining



chemicals



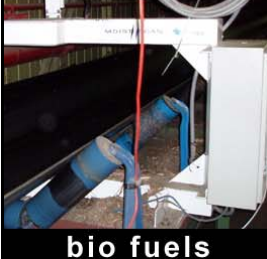
building



food



agriculture



bio fuels

MEASURING MOISTURE IN LIGNITE

Application Note

Customer

The customer is a major electricity generation company in Bulgaria.

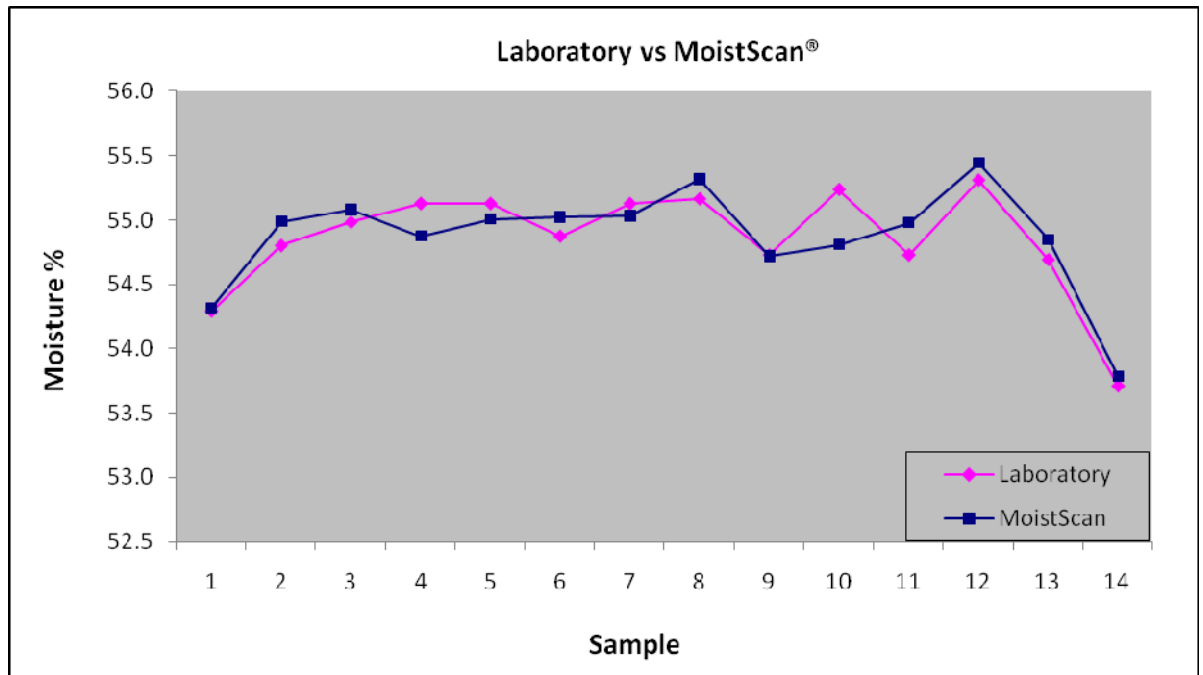
Installation

Four (4) MoistScan® MA-500HD Series II online microwave moisture analyser's are installed on two (2) stacker-reclaimers to the stockpile. The units measure the moisture of coal fed to the stock piles and coal reclaimed from the stockpiles which is crushed and then fed to the burner. The units are installed in association with several coal ash analysers.



Benefit

The MoistScan® MA-500HD analysers are used in conjunction with the coal ash analyser to calculate accurate calorific value of the incoming product coal and the feed coal to the burners.



Application Summary

Material	Lignite (Brown Coal)
Instrument	4 x MA-500HD Series II
Location	Feed Coal to Burners
Bed Depth	300 mm
Particle Size	Fine

Moisture	45 - 60%
Belt Speed	3 m/s
Temperature	Ambient °C
Precision	1.2%
Use	Process monitoring