

INDUSTRIES



mining



chemicals



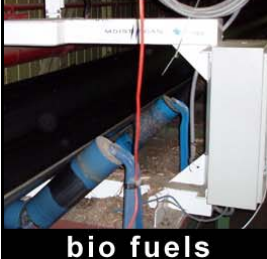
building



food



agriculture



bio fuels

MEASURING MOISTURE IN NICKEL ORE

Application Note

SN: 09-021

Customer

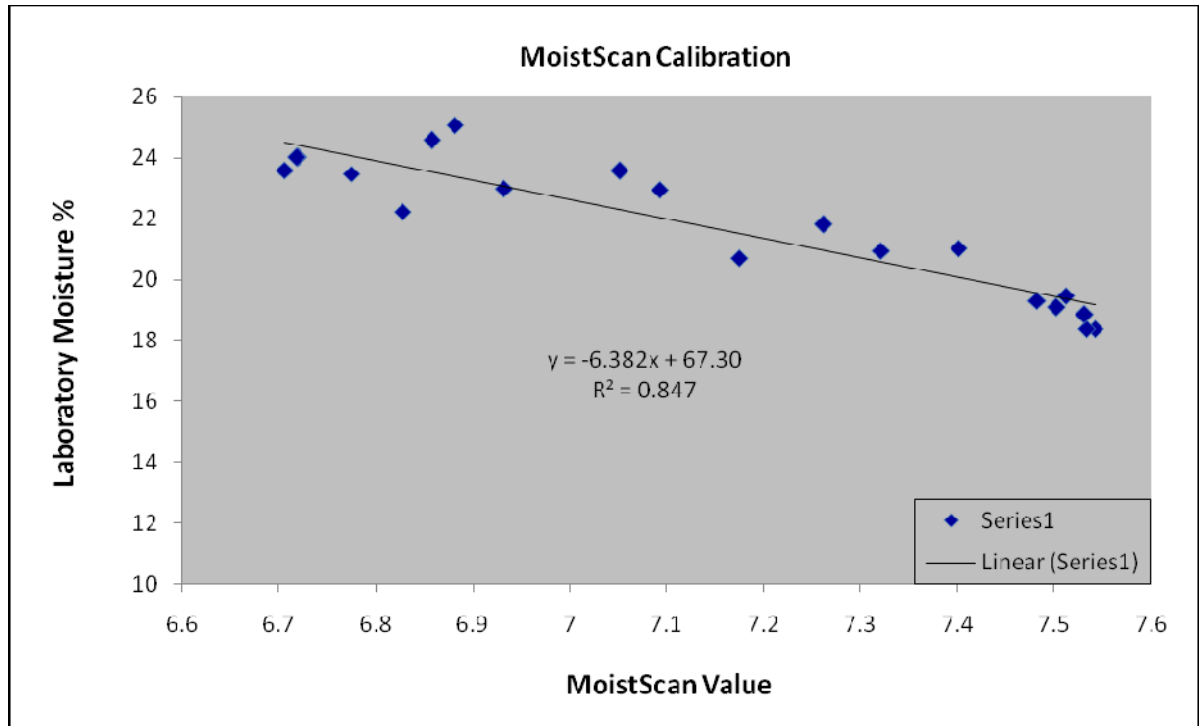
The customer based in Indonesia undertakes all stages of the mining process from exploration, mining, smelting, and refining through to marketing. Their main products are ferronickel, nickel ore, gold, silver and bauxite.

Installation

A MoistScan MA-500HD Series II is installed on the output conveyor belt to measure moisture content in the material leaving dryer number 1.

Benefit

The instrument is to supply a constant real time moisture level of the nickel ore to the dryer control system to allow more accurate adjustment of the drying process.



Application Summary

Material	Nickel Ore
Instrument	MA-500HD Series II
Location	On Conveyor
Bed Depth	20 – 55mm
Particle Size	Fine – 150mm

Moisture	19% to 25%
Belt Speed	3 m/s
Temperature	Ambient
Precision	N/A
Use	Process automation and feedback control