

APPLICATION NOTES

SUBJECT: Oil CONTAMINATION



- Plant: Platinum Concentrator Plant.
- Machine: 600ton/hour ball mill.
- Challenge: Plant stoppages due to oil filter contamination.
- Cause: Process Slurry contamination in the oil.
- Filter blockage detection was being achieved via differential pressure but the Customer wanted a sensor that could measure the cleanliness of oil.
- The Solution: LMT121 with IO-Link from IFM
- The switch point can be adjusted for clean oil (+/- 35%) and dirty oil (+/- 85%)
- With IO-Link they were able to display a continuous trend on the plant SCADA
- IO-link can be interfaced with: AS-i, Profinet, Profibus, EtherNet/IP, Modbus TCP

