

Nordic Sensing Problem Statement—Lucien Meteumba

Identify which manufacturer or parts supplier causing 15% of sensor failure rate before tomorrow morning.

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1 Context

Nordic Sensor Company (NSC), a top-five player in the IoT sensor space focusing on energy consumption and production has recently seen the sensor failure rate been increased from 1-2% to 15%. The cause of increased failures could be due to a combination of faulty parts and poor manufacturing, or it could be specific to one factory.

2 Criteria for success

Build a model that will be able to predict if a part is faulty or not.

3 Scope of solution space

Analyse the 20k rows Singapore data excel spreadsheet

4 Constraints within solution space

We are on the hook for massive orders from each of our three accounts.

5 Stakeholders to provide key insight

James Hansk—CEO
Otto Evans—InSense President
Tony Abraham—InSense VP
Bernard Ong—CTO
Vince Maccano—Head of Data Science
Karen Chu—LtiBat –President
Shane Buchholz—Head Engineer

6 Key data sources

The 20k excel spradsheet data from Singapore

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