

LEAN ANALYTIC CANVAS

INPUTS

Assets

LIST TYPES OF ASSETS, VARIATIONS, RELATIONSHIPS

Assets:

Variations:

Relationships between Assets:

Operations

ASSETS: IDENTIFY NORMAL, IDEAL, AND ABNORMAL OPERATIONS.

Normal Operations:

Ideal Operations:

Abnormal Operations:

PEOPLE / PROCESS: LIST CHALLENGES ACROSS ASSETS AND PEOPLE:

Key Indicators

WHAT DOES THE ORGANIZATION CARE ABOUT?

Examples: Unplanned failures, efficiency, anomalies, corrective actions, productivity

Current Actions

WHAT DOES THE ORGANIZATION TAKE ACTION ON TODAY?

Examples: When we see this we immediately take action

Data

TYPES OF DATA:

Sensors:

Field Data:

Other:

AVAILABILITY:

Location:

Accessibility:

Frequency:

LEAN ANALYTIC CANVAS

OUTPUTS

Project Statement

EXAMPLE

For our fleet of Pumps, our goal is to develop Predictive Analytics which can create prioritized risk categories of pumps, using primarily electrical data, which can have a greater than 90% accuracy at least 20 days ahead of failures.

CHALLENGES / RISK

Our risk on the project is the advance notification of 20 days - if it is less, we will realize much less value.

Problem/Value

PROBLEM

We have pumps that fail unexpectedly ...

VALUE

- For 1 pump, we estimate downtime savings at \$X
- For 100 pumps, at X% trigger rate, the range of savings is X to Y
- Return on investment is estimated between A and B