



Operational Excellence Services

Reliability & Maintenance Prescriptive Maintenance



Contact Us

[Technology Inquiries](#) | [Contact Us](#) | [JGC HOLDINGS CORPORATION](#)

Access to Our Homepage

<https://www.jgc.com/en/business/epc/operation-maintenance/service/>

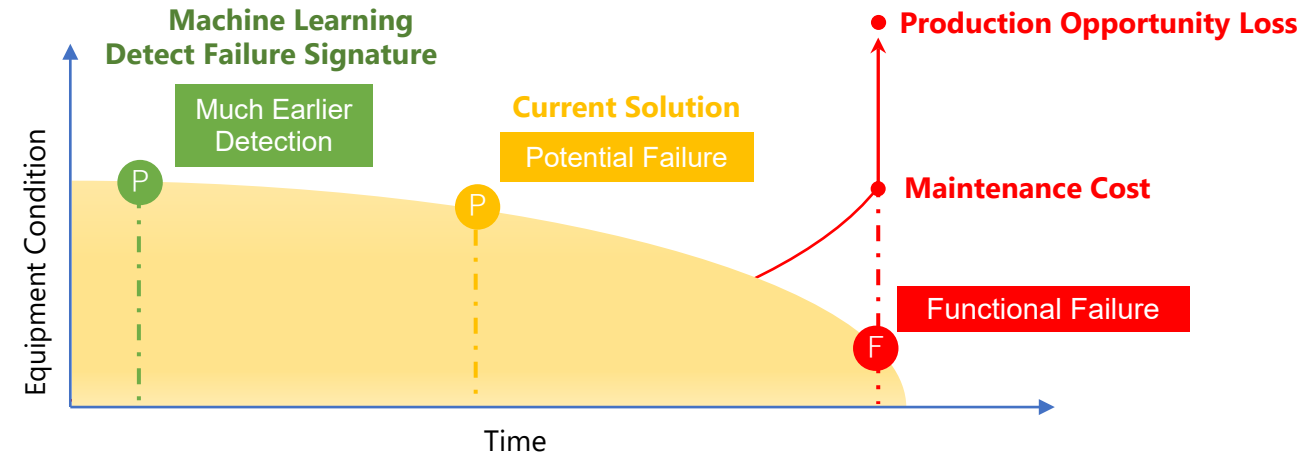
Prescriptive Maintenance

Do you have any of these issues?

- ☹️ Damage has already progressed when you can find out that the equipment is failing.
- ☹️ Lack of the experienced engineer and resources for RCM study and development of maintenance tasks.

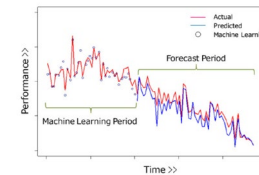
Our Solution

- JGC introduce prescriptive maintenance tool to your critical machines in collaboration with software company.
- Provide early and accurate warning of when an asset failure will occur, how the failure will occur and what to do about it.
- The tool can be installed without experienced engineers.
- Data sources for machine learning are:
 - Plant Historian to collect time-series data from the sensors on and around equipment
 - EAM/CMMS System to collect maintenance data on equipment.

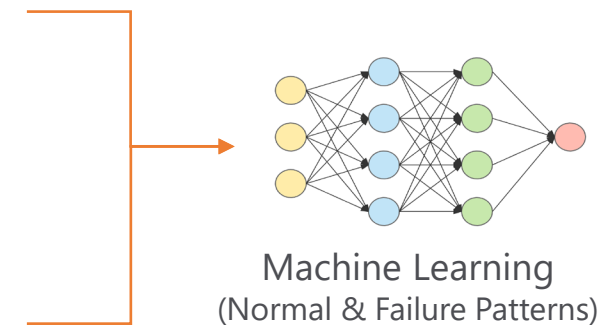


Early detection of Anomalies avoids damage onset

Operational Data
From Plant Historian



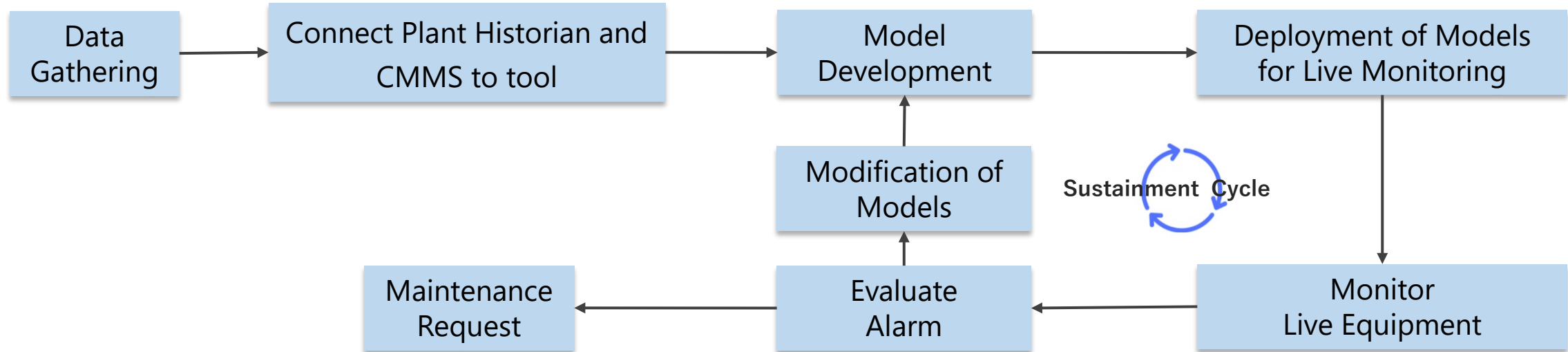
Maintenance Data
From CMMS



Data sources for machine learning

Prescriptive Maintenance

Prescriptive Maintenance Process



Our Strengths

- ✓ JGC engineers **identify the root cause of the failure** and **recommend maintenance tasks** to eliminate bad actor equipment.
- ✓ JGC engineers **create reliable and explainable models in a short time** based on extensive knowledge of a wide variety of equipment and maintenance engineering such as RCM/FMEA.