

# Equipments failures prediction project proposal

Proprietary +  
Confidential

## Objective

Predictive maintenance uses machine learning to help predict equipment failures before they occur.

### Planning and Analyzing stages

| Milestone   | Tasks  | Outcome/Deliverables   | Estimated Time |
|-------------|--|--|----------------|
| Milestone 1 | <ul style="list-style-type: none"><li>- Outline project workflow</li><li>- Gather data from multiple sources</li><li>- Identify the tools needed</li></ul> | <ul style="list-style-type: none"><li>- Stakeholders updated</li></ul>                                   | 4 weeks        |
| Milestone 2 | <ul style="list-style-type: none"><li>- Process the data</li></ul>   | <ul style="list-style-type: none"><li>- Data ready for modelling</li><li>- Update stakeholders</li></ul> | 2 - 3 weeks    |

### Constructing and Executing stages

|             |   |  |         |
|-------------|---|--|---------|
| Milestone 3 | <ul style="list-style-type: none"><li>- Pick modelling strategies</li><li>- Build machine learning model</li><li>- Test models for accuracy</li></ul> | <ul style="list-style-type: none"><li>- Update stakeholders</li><li>- Machine learning model</li></ul>         | 3 weeks |
| Milestone 4 | <ul style="list-style-type: none"><li>- Finalize results</li><li>- Share finding with stakeholders</li><li>- Receive and apply feedback.</li></ul>    | <ul style="list-style-type: none"><li>- Results</li><li>- Executive summary</li><li>- visualizations</li></ul> | 3 weeks |