



- [illegible]

1. Background

Alternatives to the problem

1. K-1051 revamp, **300 MTHB CAPEX** (estimated by Kittipong J <T-RE-RE/1547>). High tendency to be economic infeasible.
2. Static equipment revamp (pipe/heat exchanger/etc.), tends to be more feasible solution due to less expensive CAPEX. Widely implemented, **best practice in the industry**.

