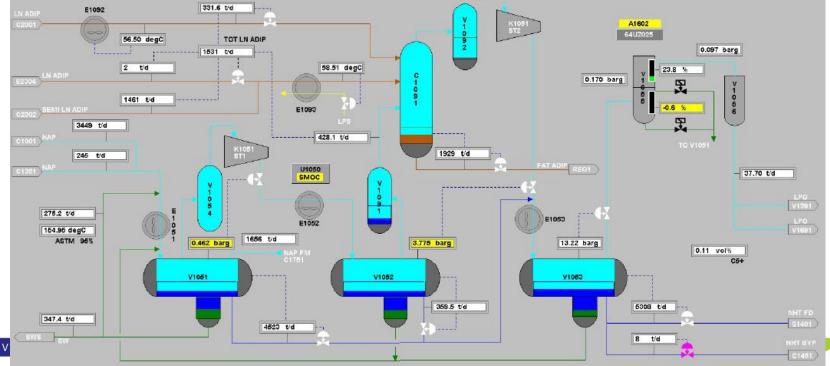


## 1.Background

- The objective of this project, Crude re-contacting unit (CDR)
  pressure reduction for reducing F1001 CDU furnace firing to
  energy saving.
- However, now K1051 compressor is operating closed to design condition and closed to stonewall region. Therefore we study to identify the root cause for hydraulic limitations of compressor K-1051 system.





## 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.

