CINELDI result: Data Driven Failure Risk Assessment for Predicting maintenance (WP Pilot)
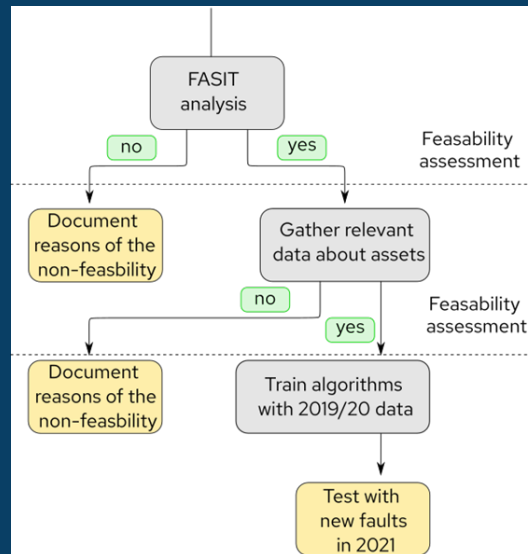
Challenge and objective:

- Quantify probability of failure for selected assets, based on existing failure and asset data
- Test a purely data-driven approach to predictive maintenance using data analytics and risk-based approach to scope and prioritize maintenance.
  We want to be proactive in predicting failures with data already in house but lying untouched in different business unit systems.

Work performed:

- The pilot was finalized withouh reaching the objective because the needed data was not accessable. The idea was to use algoritms based on ML to predict faults, but the pilot did not test this.
- Gained knowledge about the use of data to other purposes than originally inteded. Access to data from operation center proved to be particulary difficult.
- The personell responsible for FASIT-data experienced that their data can have multiple purposes and this increased the motivation to increas the quality of data.

To be solved/learnings:

- Know more about how to get access to data and the quality of data before starting the pilot
- Involve owners of data in the pilot to as the pilot might depend on these persons to get data
- Elvia needs to get a better system for excess and quality assurance of data
- The project idea is still valid and can be tested later when data is accessable