# Intermediate report CIT

# 2019 Week 12

* In-progress for this week and next week:
  + Database migration and synchronization (updating main database with new
  + Constructing online (from sensors) and offline (from database) drill environment for training and testing.
    - Constructing the data pipeline for connecting the SQL data base and the machine learning algorithm.
    - Cleaning the data offline and online with solutions like Kalman filter.
    - Generating clean state space and discretized action space
  + Testing different algorithm strategies for automatic control (PS: This might take a while)
  + Adding more functionality to the SQL visualization tool (histograms, multivariate plots, etc.)