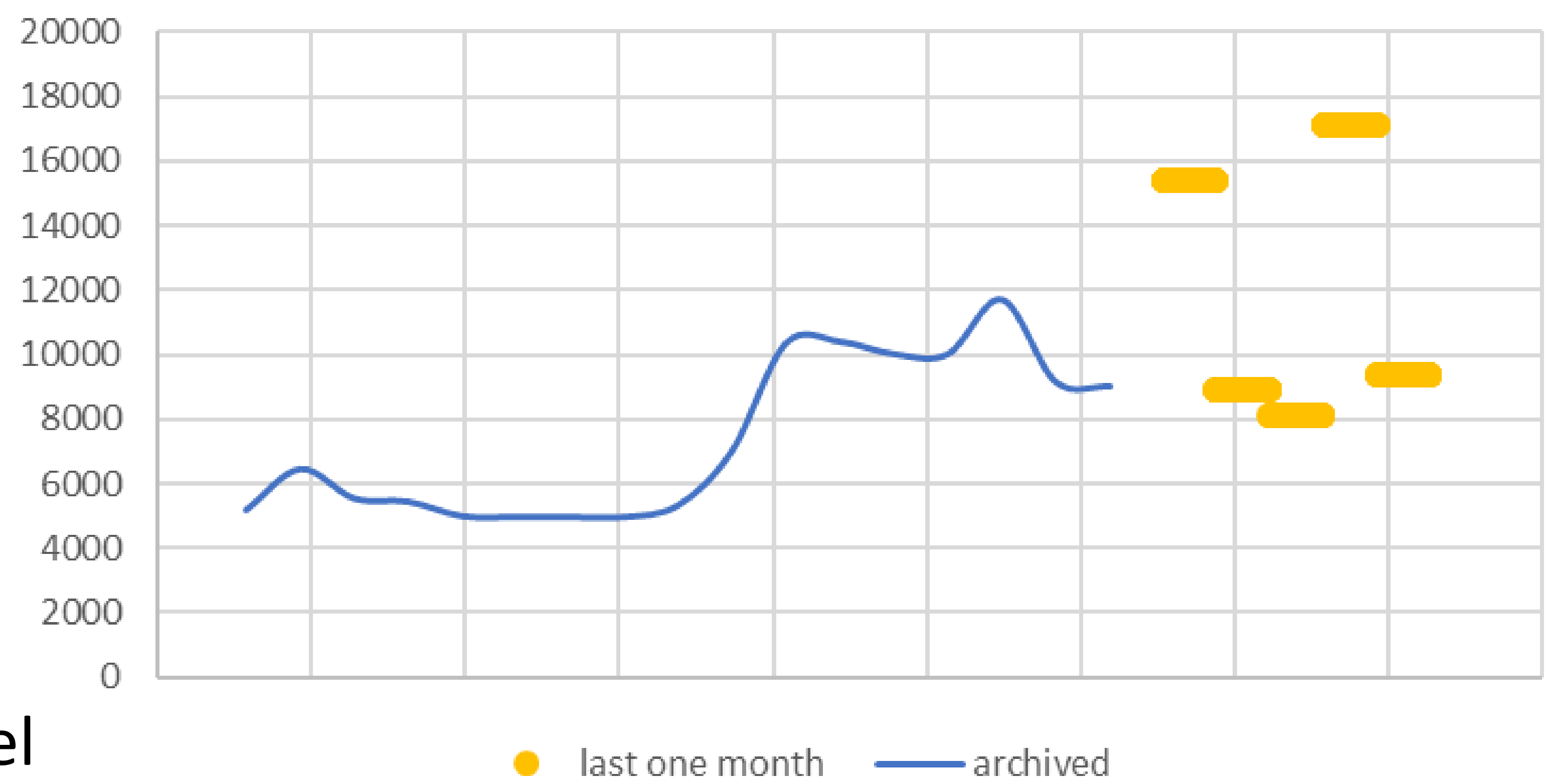
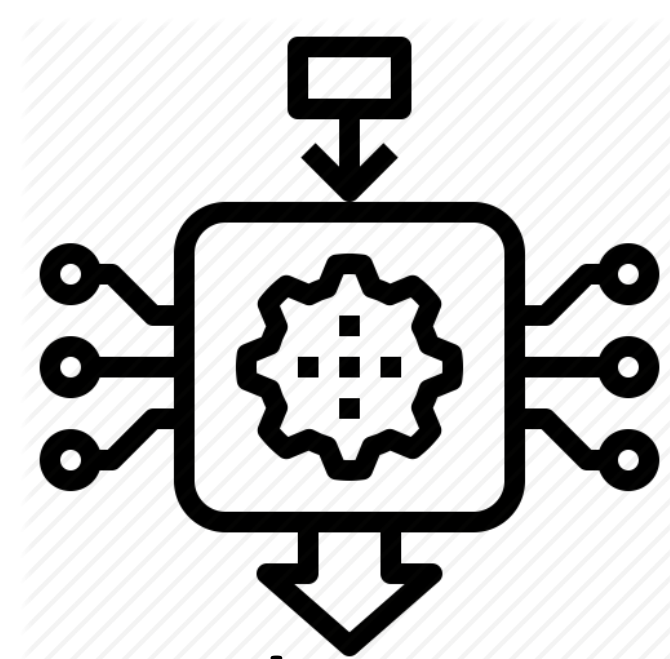


Micro CHP demonstrator System learning implementation

Remaining Useful Life (RUL): 9393.02 hours

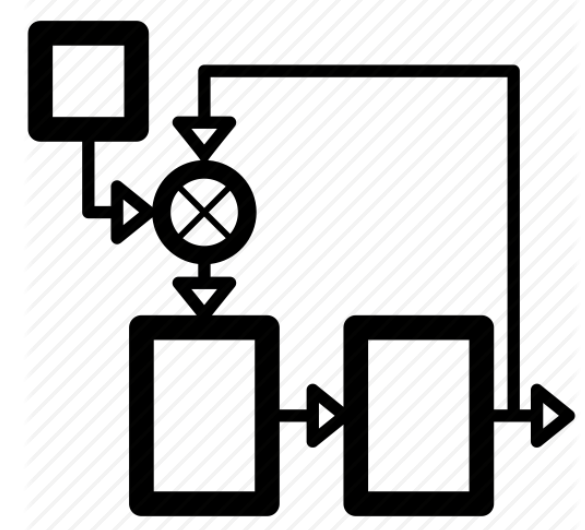


Recorded power and
operating hours



Machine learning model

Recorded data



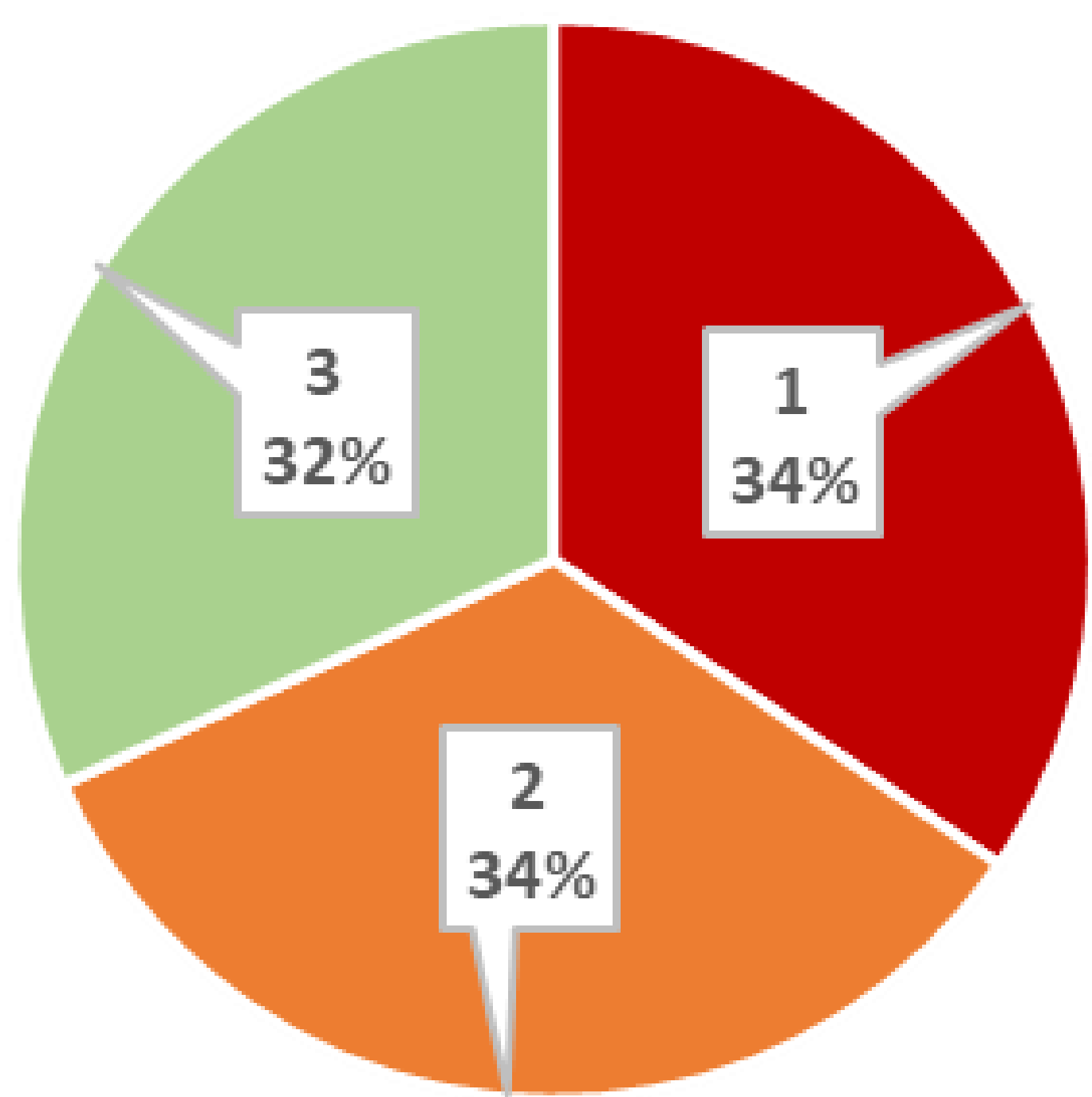
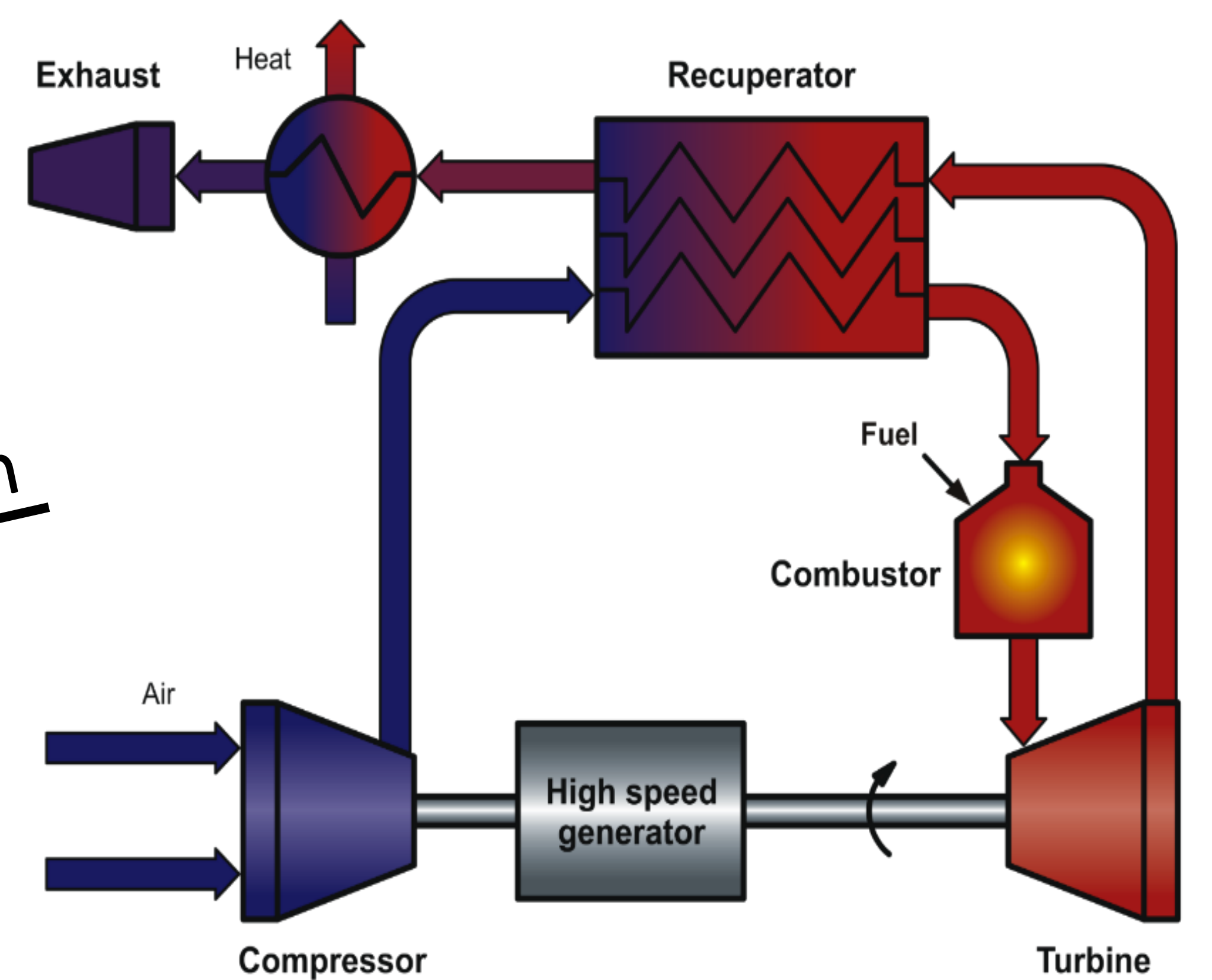
Physics based model

Recorded data



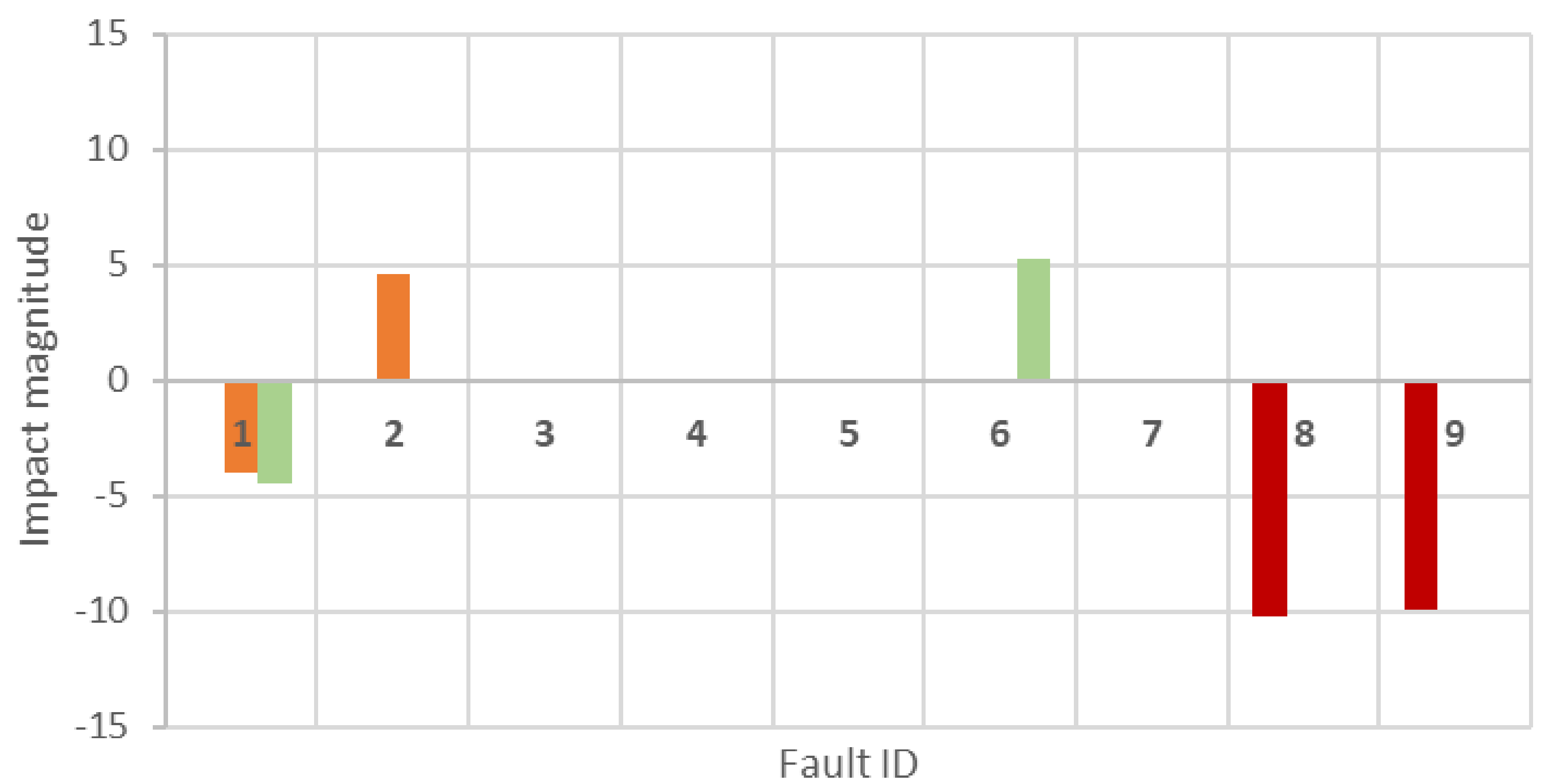
Diagnostic model

Parameter estimation



Likelihood of fault combination

Magnitude of fault combination



Machine learning, physics based and diagnostic models - three models modernising maintenance