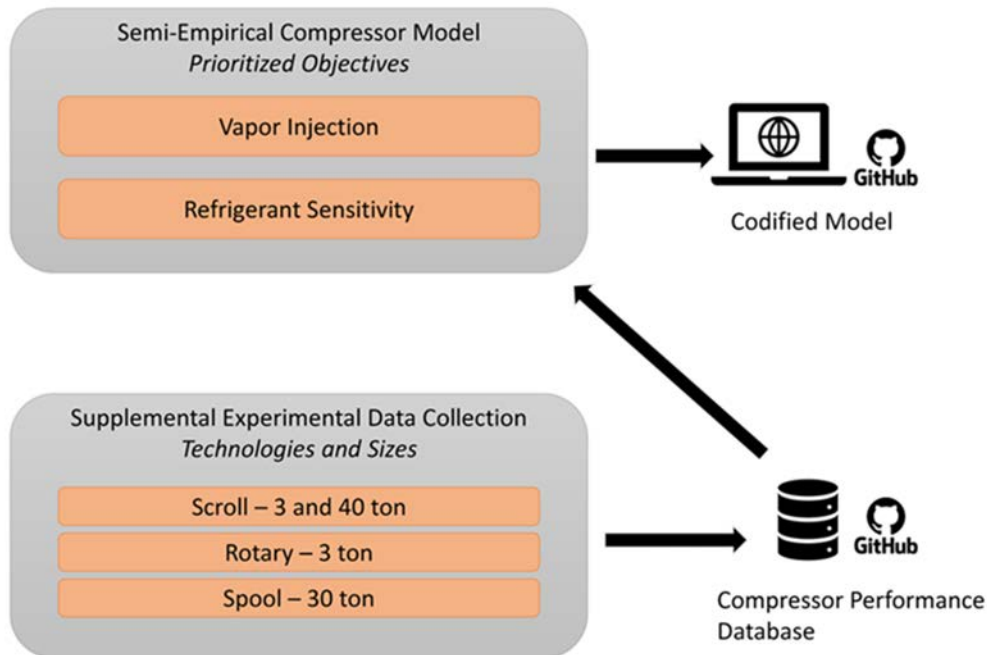

Development of a Vapor Injected and Refrigerant Flexible Semi-Empirical Compressor Model

Project Number 23-01



Goal

PROJECT TEAM:

Student: Amjid Khan

Faculty: Craig R. Bradshaw

This project aims to develop a reduced order semi-empirical model for vapor injected compressor that has the potential to predict the performance against variation in refrigerant properties

Outcomes/Deliverables

This project will deliver a refrigerant flexible vapor injected compressor model, automation upgrade to compressor load stand, and high-fidelity experimental data for various compressor technologies