

## System Test Bench

### Thermal Management Services

- LCCP/SAE matrix
- Filling quantity determination
- COP (system, heat pumps, HWT)
- Oil circulation rate
- Refrigerant mass flow
- System and component performance measurements (KM/air/water/current)
- Measurement of valves (EXV/TXV)
- Measurement of condensers (air/water)
- Measurement of evaporators (superheat, spread, latent and sensible power)
- Compressor measurement
- Measurement of plate transducers
- Determine operating strategy
- Comparison of different system architectures
- Endurance run
- Liquid startup
- Liquid slugging
- Noise emissions from refrigerant circuit components in HVAC