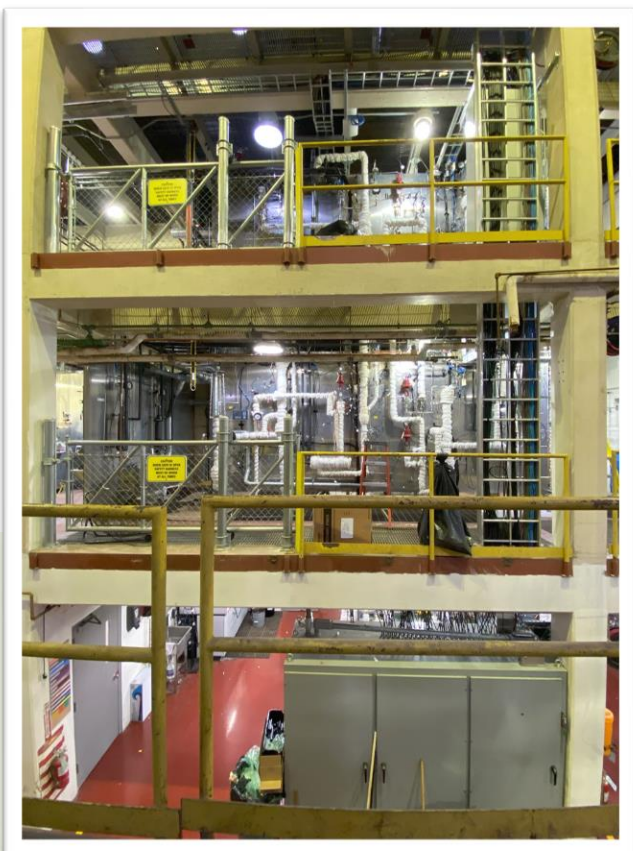
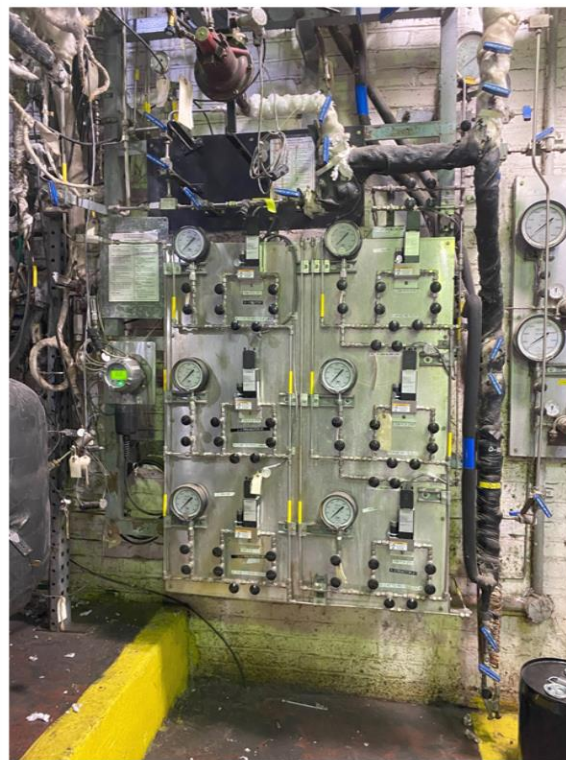


## HTI® Pilot Plant Service Capabilities

- ✓ **Lawrence Twp Facility:** HTI's pilot plant facility has a variety of ebullated bed, CSTR, autoclave, fixed bed and related auxiliary testing units to perform catalytic process tests covering a wide range of applications in oil refining and petrochemical industries.
- ✓ **Customization :** A great deal of flexibility is offered in terms of reactor size and unit configuration, which can be customized to meet clients' requirements. HTI's pilot plants can be used for catalyst screening, feedstock reactivity evaluation, kinetic model development, process scale-up and process development.
- ✓ **Analytical expertise :** HTI's lab can implement up to 70 procedures (ASTM, ISO,..) for elemental, molecular or structural analysis either with offline lab apparatus or with online equipment. Dedicated analytical methods may be developed to meet projects requirements or to improve accuracy or reliability. Large capacities, such as physical distillation units, are also available whenever product quality assessment for specific fractions is required. Analytical results are delivered on a 24/7 basis.



## HTI® Pilot Plant Service Business Principles

- ✓ **Commitments :**
  - Meeting our Clients needs and requirements on time and within budget
  - Designing experimental programs to mimic Client's catalytic process configuration
  - Consulting & expertise provided for run plan conception
  - Products ownership belongs to the Client
  - IP generated by process implementation belongs to the Client
  - Independent Company – fully deployed firewall to ensure and to protect Client's confidentiality
- ✓ **Safety :** HTI is proud of its 100% employee involvement in maintaining a safe work environment and its compliance with all federal, state, and local regulations
- ✓ **Certification :** HTI is certified with ISO 9001, 14001 & 45001 standards.

