**BENEFITS**

- Reliable, turnkey ready system following international industrial standards, developed over several years in hte’s contract research programs.
- Complete lab-in-lab solution validated with your chemistry and immediately operational at your site.
- Proven, fully integrated workflow including on- and offline analytics, reactor loading, and data integration.
- Highly flexible system with online GC systems optimized for your application in high throughput experimentation.
- Sustainable investment covering a broad range of catalyst volumes from small amounts of powder to large amounts of shaped materials.

**APPLICATIONS**

- Catalytic Naphtha Reforming
- Methane Activation
- Aromatics Conversion
- Isomerization
- Steam Reforming
- CO₂ Conversion
- Dehydrogenation
- (partial) Oxidation

hte’s X2000 is designed to bring parallel catalyst testing and optimization to a range of gas-phase chemistries. It is optimized for high-temperature, low- and mid-pressure processes (sub-atmospheric possible) in up- and downstream applications, suitable for fast deactivating catalysts. The system increases productivity in the evaluation of heterogeneous catalysts in fixed-bed reactions while delivering high-quality data.