Technical Services at Texas A&M at Qatar provides services and expertise to local industry and organizations. Employing the advanced facilities of 11 participating laboratories, Technical Services caters to the research needs of multiple scientific disciplines by offering facilities and equipment to our partners for their use. This benefits the State of Qatar in its progress towards a knowledge-based society by supporting the research and testing needs of multiple, industry-oriented disciplines.

Experienced faculty and staff provide technical support and advice on associated services. All equipment, testing procedures and data recording services comply with established industry and international standards. Texas A&M at Qatar is proud to support the growth and development of the State of Qatar’s industry and academia by sharing its facilities through its Technical Services center.
technical resources

- **materials**
The Central Materials Facility houses several high-end, state-of-the-art equipment employed for macro- and microstructural material characterization.

- **manufacturing**
Facility houses a variety of powder, plastic and metal 3-D printers to prototype and produce functional end products — including those with complex geometries.

- **electronics**
The Central Electronics Shop fabricates and repairs electronic measurement and testing devices and provides industrial automation solutions using data acquisition systems.

- **machining**
The Central Machines Shop offers prototyping, production and research and development machining utilizing machines that employ a variety of material.

- **fuel characterization**
The Fuel Characterization Laboratory measures physical and chemical properties of fuels and value-added chemicals and houses blending accessories to formulate new-generation fuels.

- **water and environmental research**
Water and environmental research laboratories analyse inorganic, organic and physical parameters for samples with a variety of matrices, including water, wastewater, soils and sludge.

- **chemistry instrumentation**
Chemistry laboratories provide analytical chemistry services employing a wide range of chromatography, spectrometry, calorimetric, gravimetric and magnetic resonance techniques.

- **research computing**
Research computing facilities use advanced, high-performance computing technologies including computational platforms, storage capabilities, specialized scientific and engineering software and user training.

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“Technical Services caters to the needs of our academic partners, industrial entities, educational institutions, research centers and institutes, and government organizations by sharing its state-of-the-art research equipment and the expertise of its faculty and staff.”

— Dr. Hassan S. Bazzi, Assistant Dean for Research and Graduate Studies

- **wettability research**
The Wettability Research Laboratory offers services in the areas of 3-D imaging of structures, rock characterization and fluids’ physical properties and phase behavior.

- **engine research and testing**
The Engine Research and Testing Laboratory offers support in engine-related activities, such as engine modeling and control, development and implementation of new combustion technologies, engine performance and efficiency evaluation and emissions measurement.

- **air quality engineering and research**
The Air Quality Engineering and Research Laboratory provides services related to the measurement, modeling, characterization and training on air quality in indoor and outdoor environments.