

CHEMISTRY THAT MATTERS™

سابك  
sabic

# SABIC TECHNOLOGY CENTER - KAUST

SAFETY NOTES & SITE OVERVIEW



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# WELCOME TO SABIC TECHNOLOGY CENTER AT KAUST

We hope that your visit will be enjoyable and interesting. To ensure your health and safety whilst you are on our premises, please read the safety information given in this brochure carefully and comply with the instructions given.

We wish you a pleasant and safe visit.

## NOTES ON SAFETY AND CORPORATE PROTECTION

Personal protective equipment ( PPE ) must be worn in many areas of our site. For your safety, you must wear the appropriate protective equipment when entering areas with these signs.



Entry passes issued to external visitors must be prominently worn all the time during the visit. At the end of your visit, please return your pass to security before leaving the premises.



It is forbidden to film or take photographs of these premises without authorization.



Electronic devices should not be connected to the company network without authorization.



Do not enter any restricted/ barricaded areas.



You are not allowed to eat and drink in laboratory areas.



Do not enter any laboratories unless you are authorized and instructed accordingly.



Smoking is expressly prohibited across all our sites.



Contractors must not start work on the building before being instructed on the site safety rules. Contractors must collect work permits from Environment, Health, Safety, and Security (EHSS) officer..

## ACTIONS TO BE TAKEN IN AN EMERGENCY



Obey alarm signals and follow the instructions of the Floor Safety Warden and Emergency Squad Leader. Sirens emitting a continuous tone indicate that you must evacuate the building immediately.



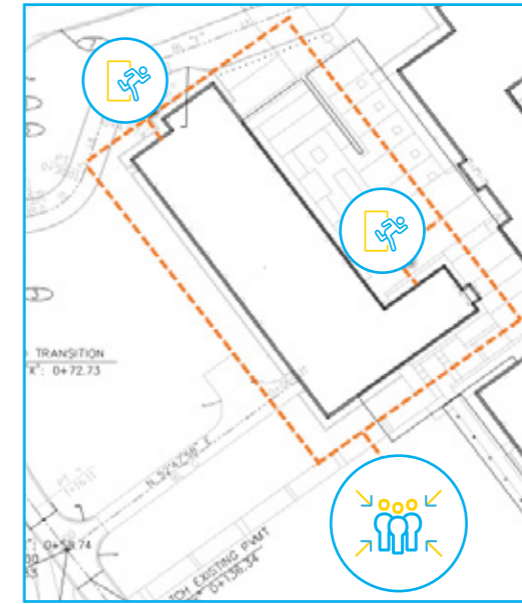
In an emergency, leave the building through emergency exits and escape routes. Do not use elevators. Don't close doors behind you.



First aid boxes are provided for treating injuries. If you need any assistance, inform the EHSS team.



Make your way to one of the designated assembly points and await further instructions. Report any missing colleagues to Emergency Squad Leader at the assembly point. Do not re-enter the building unless you are told that it is safe.



**SABIC SECURITY:**  
012-2852001

**SAFETY TEAM:**  
012-2852155

**KAUST EMERGENCY:**  
012-8080911

# THIS IS SABIC

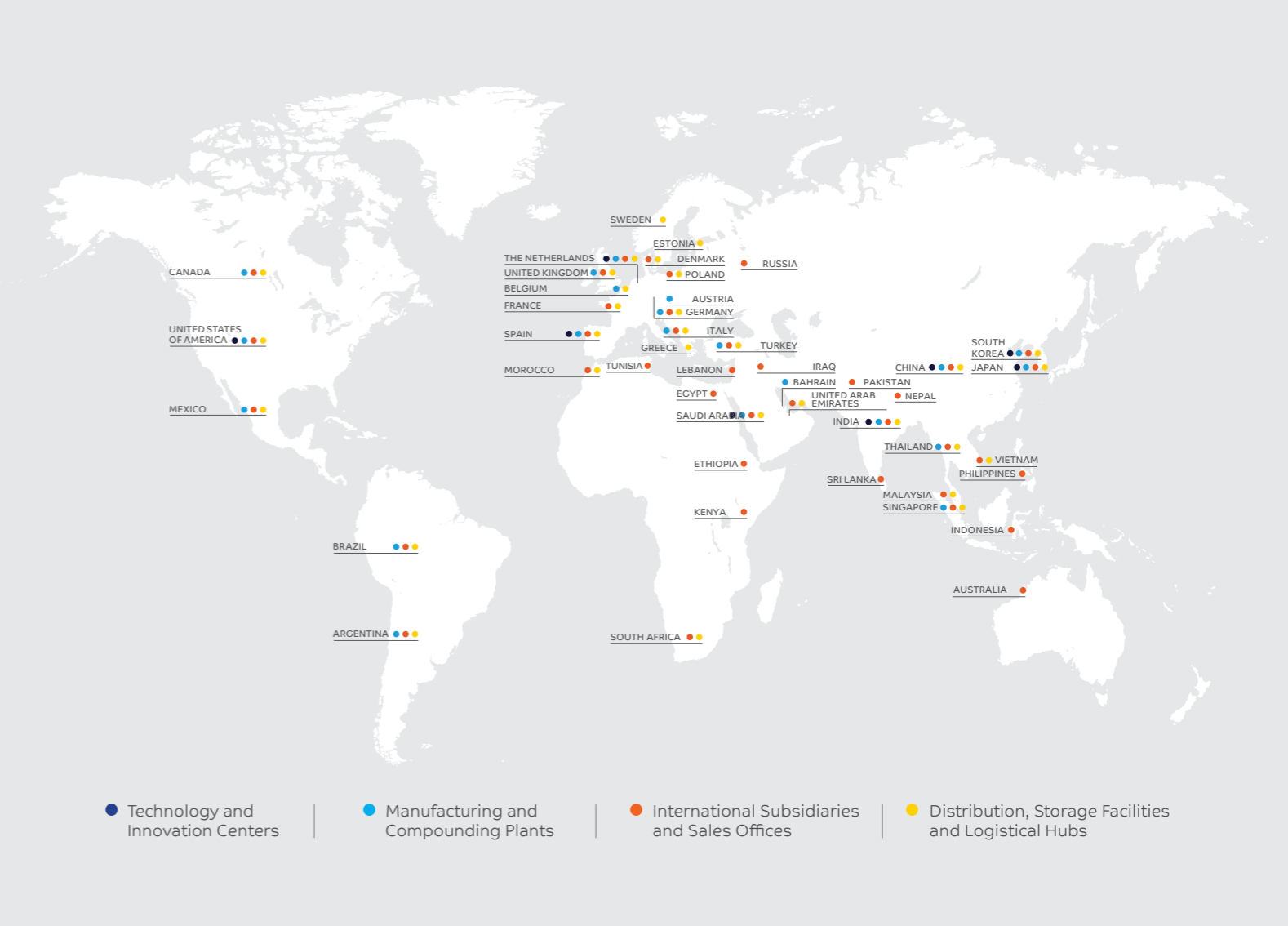
## CHEMISTRY THAT MATTERS™

From a humble beginning more than 40 years ago, we have grown steadily to become one of the world's top companies.

Whatever your hopes, whatever your dreams, we are here to help you achieve your ambitions.

Headquartered in Riyadh, Saudi Arabia, SABIC employs more than 33,000 people in around 50 countries, working together to make the building blocks of the modern world ever better, more efficiently, and more sustainably.

WHATEVER YOUR HOPES,  
WHATEVER YOUR DREAMS,  
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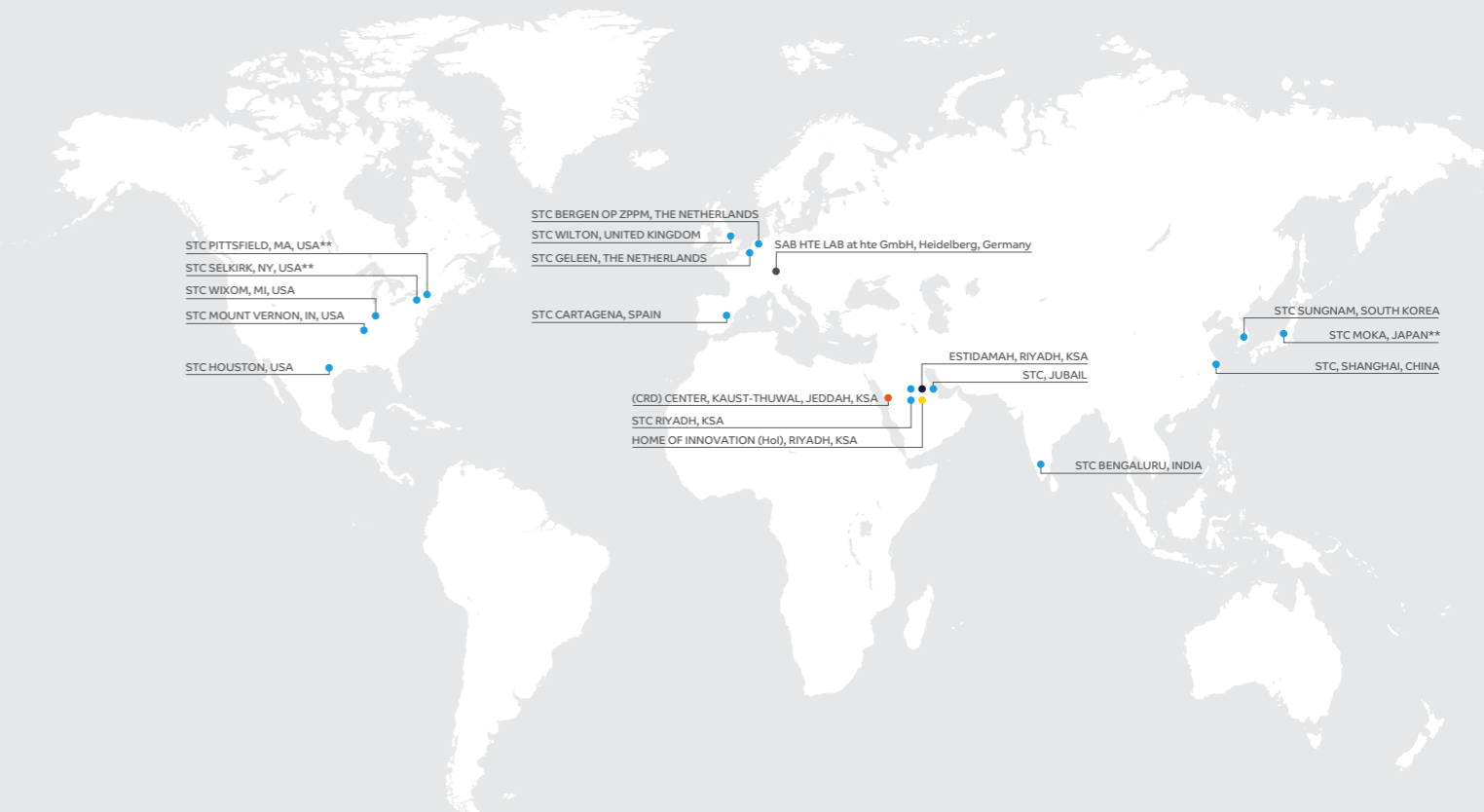
# SABIC GLOBAL T&I CENTERS

SABIC Technology and Innovation (T&I) offers a full range of technological research, development and technical services to SABIC Business Units in chemicals, polymers, fertilizers, and metals. SABIC T&I operations span ACROSS North America, Europe and Asia through various technology centers. These centers provide support to SABIC business units and production facilities

around the globe. WE MAKE Chemicals, plastics and other basic materials, for everything from toys to cosmetics to aircraft components. An immense R&D effort, together with commercial partners and experts from some of the world's leading academic institutions, brings a steady stream of improvements that help our customers make the modern world better,

faster, lighter, cheaper in ways that help protect the environment and deliver CHEMISTRY THAT MATTERS™.

WE HELP OUR CUSTOMERS MAKE THE MODERN WORLD BETTER, FASTER, LIGHTER, CHEAPER IN WAYS THAT HELP PROTECT THE ENVIRONMENT



- Technology Centers
- Briefing Centers
- Satellite Centers
- Corporate Research Centers
- Agri-Nutrients Centers

## SABIC TECHNOLOGY CENTER AT KAUST

At STC-K, our mission is to contribute toward the growth and profitability of SABIC through disruptive and step-change innovations in the core areas of the petrochemical industry: chemistry, catalysis, engineering, and materials.

That is why we host over 150 cutting-edge technologies for catalyst and materials

synthesis, testing, and characterization deployed by a strong team of experts with around 100 scientists, engineers, specialists, and technicians.

In addition, our presence at KAUST allows us access to its core labs with state-of-the-art imaging and characterization facilities, supercomputing, and other analytical labs and workshops.

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## STC-K DEPARTMENTS

- A CHEMICAL SCIENCE
- B POLYMER & MATERIALS SCIENCE
- C ENGINEERING SCIENCE





## CHEMICAL SCIENCE



**VISION:** TO BE THE HOME OF ADVANCED CAPABILITIES & COMPETENCIES THAT CAN DEPLOY NEW CATALYTIC TECHNOLOGIES AND SOLUTIONS IN ALIGNMENT WITH SABIC CHEMICALS AND AGRI-NUTRIENTS BUSINESSES AND THE SABIC 2025 STRATEGY.

This is accomplished through 4 specialized chemical groups:

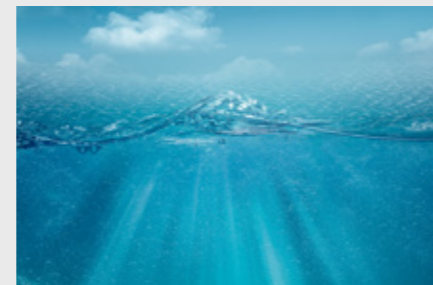
- Chemical Catalysis
- High Throughput Experimentation
- Intermediate Catalysis
- Surface Science & Advanced Characterization



## CHEMICAL SCIENCE RESEARCH AREA



Focus on enhancements of heterogeneous catalysis and chemical feedstock efficiency



Develop homo & heterogeneous catalysis, contribute to agri-nutrients portfolio and the circular economy

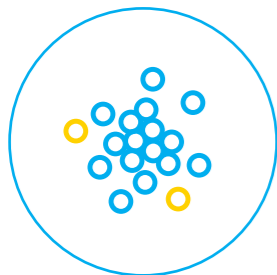


Gain fundamental understandings for the development of industrial catalyst



Utilize state-of-the-art HTE facilities to execute primary & secondary catalyst screening

## POLYMER & MATERIALS SCIENCE



**VISION:** TO BE THE PREFERRED PROVIDER OF COMPREHENSIVE SUBJECT MATTER EXPERTISE IN POLYMERS & MATERIALS SCIENCE TO ADDRESS CURRENT MARKETS, CO-CREATE DIFFERENTIATED SOLUTIONS FOR EXISTING AND EMERGING MARKETS, AND HANDLE SUSTAINABILITY AND CIRCULAR ECONOMY NEEDS

This is accomplished through 5 specialized polymer groups, including:

- Polyolefin Catalysis
- Advanced Applications
- Polymer Chemistry
- High Performance Materials
- Materials Science Competency



## POLYMER & MATERIALS SCIENCE RESEARCH AREA



Deliver innovative technical solutions to prioritized business programs



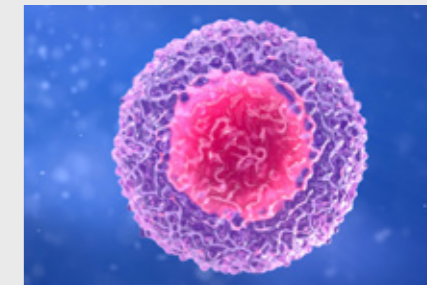
Develop new concepts aligned with Polymer Business and Polymer T&I



Convert fundamental polymer field understanding into valuable knowledge utilized for short and long term projects

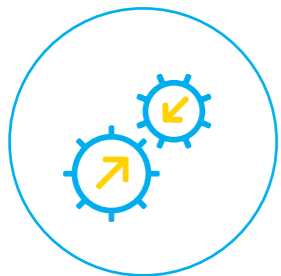


Create platforms in alignment with business strategies from emerging trends with new to SABIC products and applications



Develop and incubate strong Subject Matter Experts on Polymer Physics & Materials Science

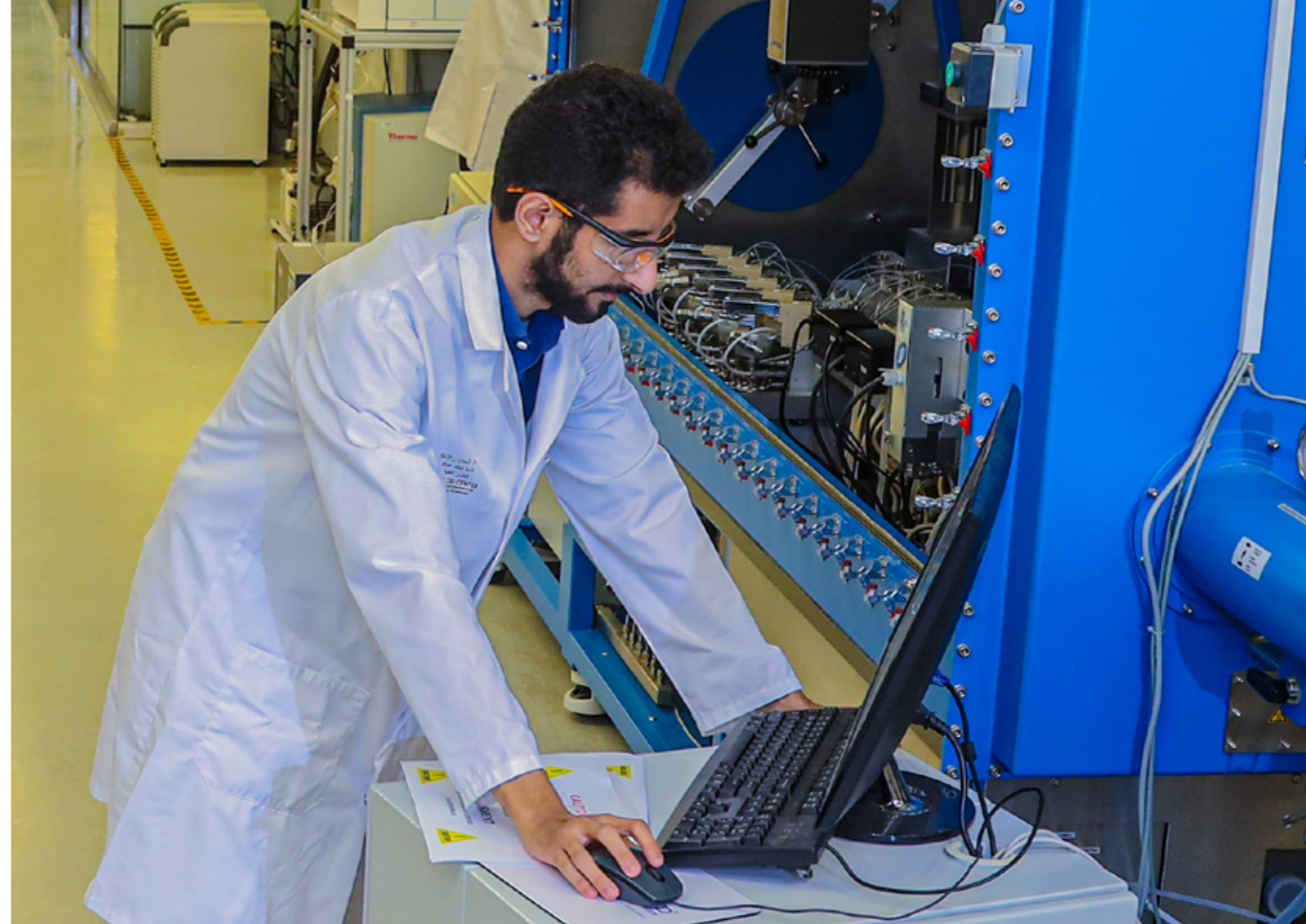
## ENGINEERING SCIENCE



**VISION:** TO BE THE PREFERRED PROVIDER OF ADVANCED COMPUTATIONAL AND MODELING CAPABILITIES AND ENGINEERING SOLUTIONS TO EXISTING ASSET IMPROVEMENT AS WELL AS DISRUPTIVE TECHNOLOGY DEVELOPMENT ALIGNED WITH SABIC STRATEGY

This is accomplished through 4 specialized groups including:

- Process Fundamentals
- Reaction Engineering
- Disruptive Technology Development
- Data & Computational Science



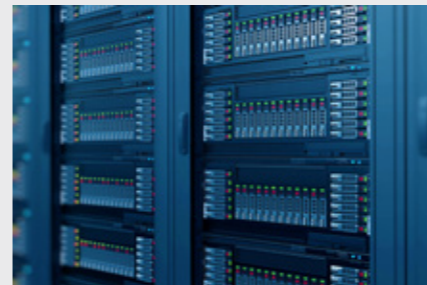
## ENGINEERING SCIENCE RESEARCH AREA



Modeling and experimentation capabilities to build kinetic and reactor models for design, scale-up and optimization



Conceptual process design, process development, piloting and scale-up of novel technology from lab to commercial scale



Advanced statistical techniques (big data, artificial intelligence) and computational chemistry to support technology development and asset optimization



Develop next generation technology for chemical recycling of mixed plastic waste and crude to high value chemicals

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## CONTACT US

### SABIC Technology Center at KAUST

PO Box 4545-4700

Jeddah - Thuwal 23955 - 6900

Kingdom of Saudi Arabia

T: + 966 12 285 2035

F: + 966 12 285 2016