

Matrix of Potential Experts for OIC-COMSTECH Expert Service for Technological Cooperation

Matrix of Potential Experts for OIC-COMSTECH Expert Service for Technological Cooperation		
Sr. No	Industry	Potential Experts (Name, Designation, Institution, Email address)
1	Biomedical Engineering/Health: Sophisticated medical equipment such as MRI machines, CT scanners, Health Monitoring Devices, Hospital Management Systems, Telemedicine/E-health, and laboratory instruments.	
2	Manufacturing Industries: High-tech manufacturing equipment including CNC machines, robotics, and automation systems.	
3	Renewable Energy Sciences and Applications: Equipment for renewable energy such as solar panels, wind turbines, and biomass reactors,	
4	Engineering Sciences: Advanced machinery in mechanical, electrical, chemical, and materials engineering that requires expert maintenance and troubleshooting.	
	a) Automotive Engineering: Maintenance and repair of automotive systems, electric vehicles, and autonomous vehicle technology.	
	b) Aerospace Engineering: Operation and maintenance of aircraft systems, drones, and space exploration equipment.	
	c) Marine Engineering: Maintenance of ship systems, underwater robotics, and marine renewable energy installations.	
	d) Mining and Metallurgy: Operation of mining equipment, ore processing machinery, and metal fabrication tools.	
5	Information Technology (IT) Industry: IT infrastructure including servers, networking equipment, and complex software systems.	

Matrix of Potential Experts for OIC-COMSTECH Expert Service for Technological Cooperation

6	Agricultural Sciences and Applications: Specialized equipment for soil analysis, crop monitoring, and precision agriculture, waste Management, land preservation	
7	Urbanization and Smart Cities: Technologies such as IoT devices, sensor networks, and Sustainable Infrastructure	
8	Architecture: Advanced software and equipment like Building Information Modeling (BIM) and 3D printers.	
9	Food Processing: Machinery for packaging, preservation, and quality control in food processing.	
10	Livestock: Equipment for livestock farming including automated feeding systems, milking machines, and health monitoring devices.	
11	Oil and Gas: Operation and maintenance of drilling equipment, pipelines, and refining machinery.	
12	Pharmaceutical Manufacturing: Operation of pharmaceutical production machinery and quality control equipment.	
13	Transportation Infrastructure: Maintenance of railway systems, traffic management systems, and smart transportation technologies.	
14	HVAC (Heating, Ventilation, and Air Conditioning): Installation and maintenance of HVAC systems in residential, commercial, and industrial buildings.	
15	Telecommunications: Installation and maintenance of telecommunications infrastructure, including fiber optic cables, cellular towers, and satellite systems.	