



TÜBİTAK

MAM

TÜBİTAK

MMARMARA
RESEARCH
CENTER

SCIENCE TO TECHNOLOGY
TECHNOLOGY TO INDUSTRY



Support academic and industrial R&D activities and innovations

Carry out research and technology development works in line with national priorities through R&D Institutions

Assisting the Government by determining Turkey's science and technology policy; do secretarial tasks to the Science and Technology Committee

Make publications in order to improve the science and technology culture

Support scientists domestic and foreign academic activities with scholarships and awards

Funding projects of our universities, public institutions and industry to contribute increasing the competitiveness of our country





1963
ANKARA



1972
GEBZE





ANKARA

ANTALYA

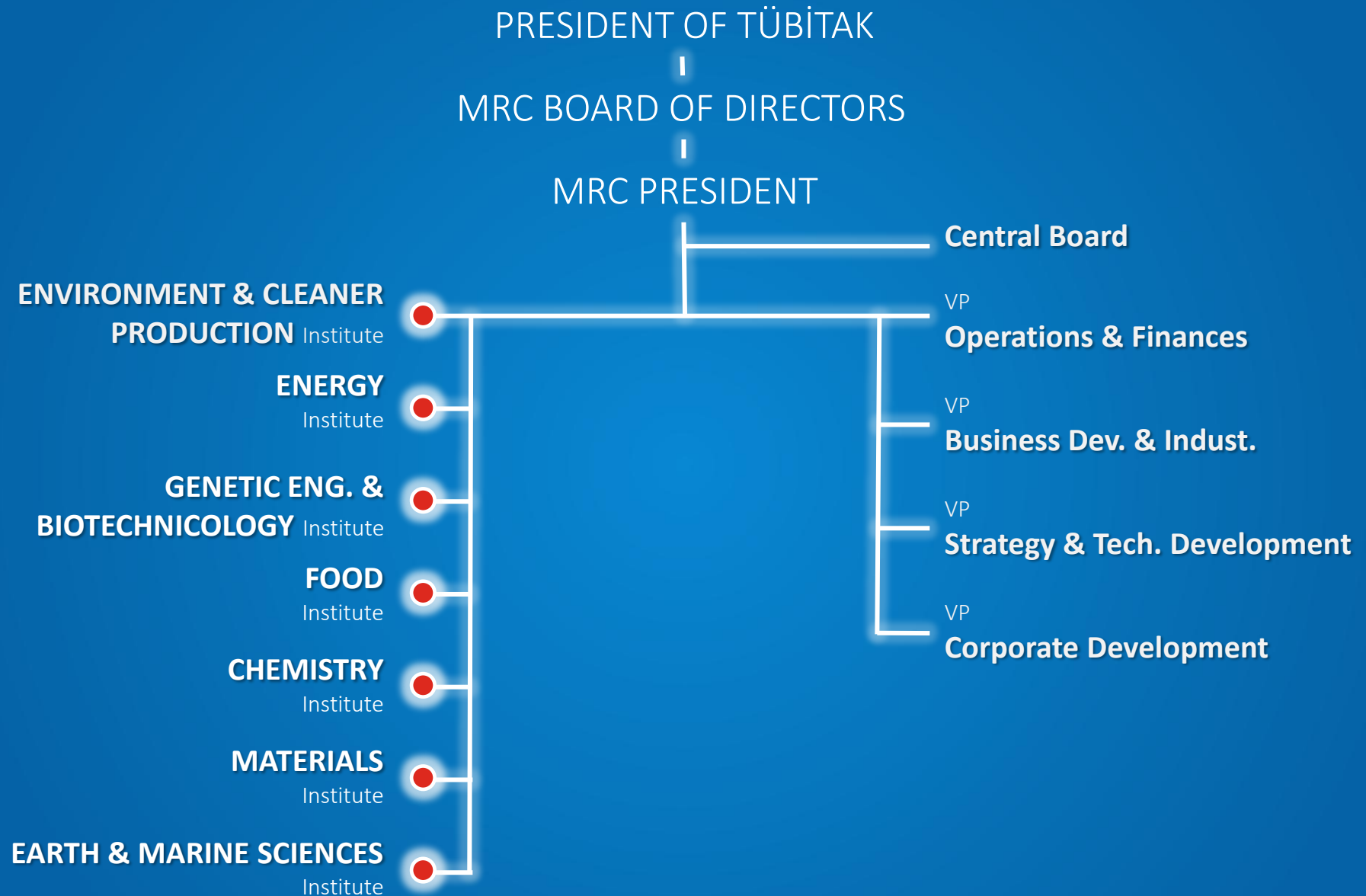
BURSA

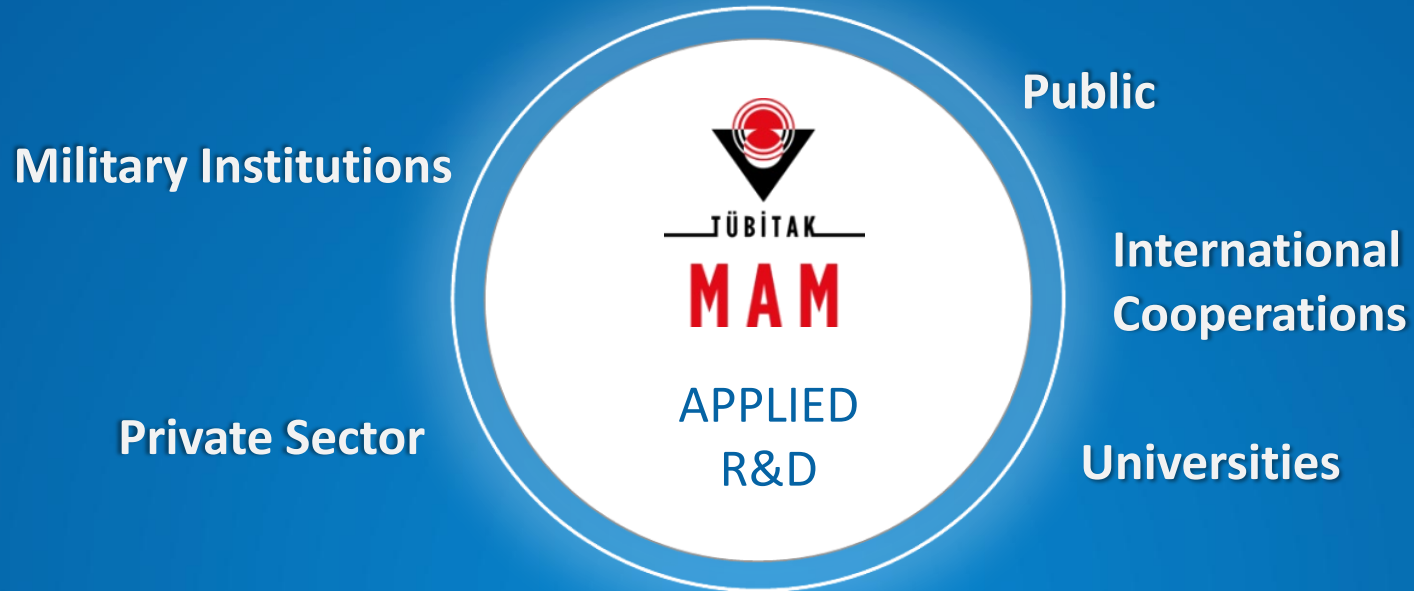
KOCAELİ - GEBZE

- Environment and Cleaner Production
- Energy
- Food
- Genetic Engineering & Biotechnology
- Materials
- Chemistry
- Earth and Marine Sciences



MRC ORGANIZATION CHART





JOINT RESEARCH



TECHNOLOGY

PRODUCT

KNOWLEDGE



TECHNOLOGY TRANSFER



INFRASTRUCTURE

Laboratory
213

Analysis Types
1.256

Analysis Numbers
55.000 / Year



PERSONNEL

Managers
% 3

R&D
% 73

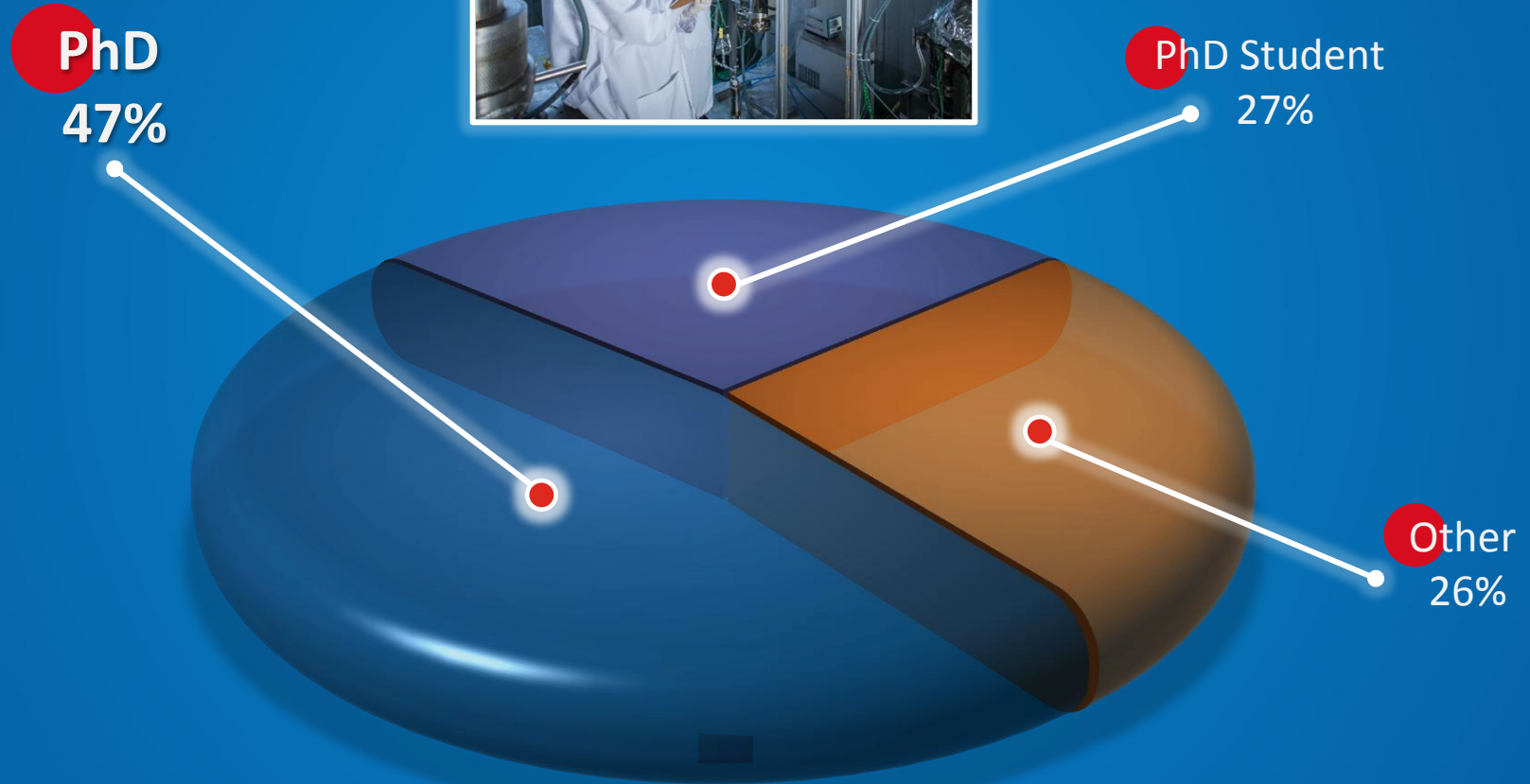
Support
% 24

TOTAL 940



PROJECTS

Ongoing
232



National Secret Classified Facility Security Clearances

NATO Secret Classified Facility Security Clearances

Ministry of Defence Production Authorization

ISO 9001-2008 Quality Management System Certificate

ISO 14001-2004 Environmental Management System Certificate

ISO 17025 Certificate of Accreditation of Laboratory Services



ENVIRONMENT

ENERGY

machine

rail systems

biotechnology

MATERIALS

CHEMISRTY

sensors

GENETIC

laser

EARTH SCIENCES

electricity electronic

mining

FOOD



WATER AND WASTEWATER MANAGEMENT

- *Water Resources Management*
- *Water and Wastewater Treatment Technologies*



MARINE AND IN-LAND WATERS

- *Monitoring and Management of Coastal Areas and In-land Waters*
- *Modeling, Geographic Information Systems and Remote Sensing Applications*



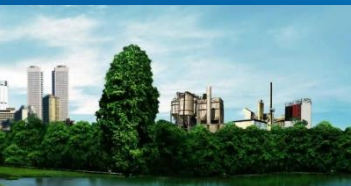
AIR QUALITY MANAGEMENT

- *Measurement, Analysis and Characterization*
- *Modeling and Mapping*



SOLID AND HAZARDOUS WASTE

- *Solid and Hazardous Waste Management*
- *Investigation of Soil Pollution*



CLEAN PRODUCTION

- *Resource Efficiency / Pollution Prevention*
- *Sustainable Production*



POWER ELECTRONICS AND CONTROL TECHNOLOGIES

- *Power Electronics*
- *Battery Management*
- *Wind Power Electronics*
- *Electrical Grids*



FOSSIL FUEL TECHNOLOGIES

- *Coal*
- *Natural Gas*
- *Combustion/Gasification*
- *Fuel Technologies*
- *Energy Efficiency*



ALTERNATIVE /RENEWABLE ENERGY TECHNOLOGIES

- *Fuel Cell/Hydrogen*
- *Solar Energy*
- *Wind Energy*
- *Bio-energy*
- *Hydropower*
- *Energy Storage*



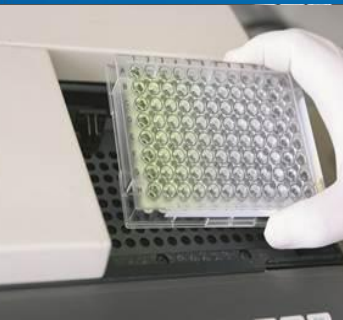
TRANSPORTATION TECHNOLOGIES

- *Electric Vehicles*
- *Electric Locomotives*



ANIMAL BIOTECHNOLOGY

- *Animal Genetics and Proteomics*
- *Reproductive Biotechnology*
- *Diagnostic Technologies*
- *Animal Cell Technologies*



MEDICAL BIOTECHNOLOGY AND BIOSENSOR TECHNOLOGY

- *Human Genetics and Proteomics*
- *Molecular Diagnostic Technologies*
- *Vaccine Technologies*
- *Tissue Engineering*
- *Diagnostics and Treatment of Common Diseases*



ENZYME AND MICROORGANISM BIOTECHNOLOGY

- *Enzyme Engineering*
- *Microorganism Genetics Technologies*
- *Microbial Process Technologies*
- *Microbial Proteomics*



PLANT BIOTECHNOLOGY

- *Biological Diversity*
- *GMO Technologies*
- *Gene Mapping in Plants*
- *Plant Genetics and Proteomics*



FOOD SCIENCE AND TECHNOLOGIES

- *Food Processing Technologies*
- *Food Science*
- *Food Packaging & Preservation*



NUTRITION AND FUNCTIONAL FOODS

- *Food Composition Data Production, Management and Use*
- *Biochemical Analysis and Clinical Research*
- *Enrichment of Food and Formulation Development Studies*
- *Properties of Functional Foods and Evaluation of Healthy Perspective*



FOOD MICROBIOLOGY & BIOTECHNOLOGY

- *Food Microbiology*
- *Biotechnology*
- *Food Safety Proofing Systems and Hygienic Due Diligence*



PROCESS AND INORGANIC CHEMISTRY TECHNOLOGIES

- *Process Engineering*
- *Electrochemical Technologies*
- *Industrial Minerals Technologies*



POLYMER AND ORGANIC CHEMISTRY TECHNOLOGIES

- *Polymer Technologies*
- *Organic Chemistry Technologies*



FORENSIC TECHNOLOGIES

- *Security Product Technologies*
- *Criminalistics Technologies*



COAL TECHNOLOGIES

- *Clean Coal Technologies*
- *Coal Based Products*



STRUCTURAL AND CRITICAL MATERIALS

- *Structural Materials*
- *Critical Materials*

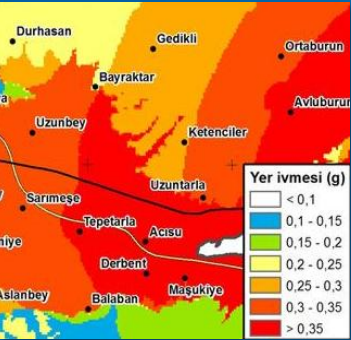


SENSOR MATERIALS AND SYSTEMS

- *Photonic Technologies*
- *Acoustics, Laser, Medical Device, Nanomaterials and Coatings*
- *CBRN Sensor*
- *Millimeter Wave and Terahertz Technology*

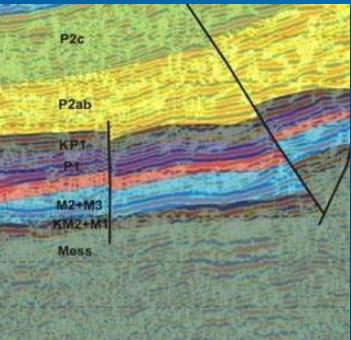


INDUSTRIAL TECHNICAL SUPPORT SERVICES



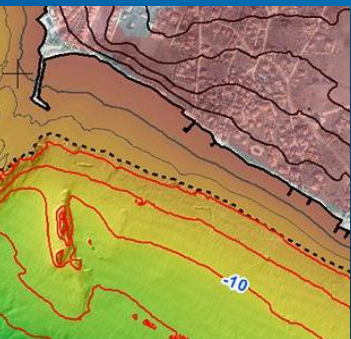
ACTIVE TECTONICS RESEARCH TECHNOLOGIES

- *Earthquake Seismology*
- *Seismic Micro Zoning*
- *Crustal Deformation and Structure*
- *Earthquake Risk Studies*
- *Active Tectonics*



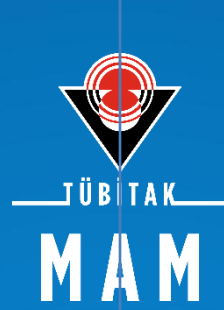
GEOPHYSICAL IMAGING TECHNOLOGIES

- *Seismic Data Acquisition, Processing, Monitoring and Modeling*
- *Marine Geophysics*
- *Development of Sea and Seabed Measurement Techniques*
- *Landslide Researches, Landslide Monitorings and Deformation Analysis*
- *Geodetical Applications*



ADVANCED GEOLOGY TECHNOLOGIES

- *Petroleum, Earth Gas, Coal Gas Research*
- *Burial and Thermal History of Sedimentary Basins*
- *Sedimentary Basin Analysis and Modeling*
- *Hydro-geochemical Studies*
- *Medical Geology*



THANK YOU
FOR ATTENTION

TÜBİTAK MAM
41470 GEBZE-KOCAELİ / TÜRKİYE
PHONE +90 (262) 677 20 00 | FAX +90 (262) 641 23 09
www.mam.tubitak.gov.tr