





TÜBİTAK

The Scientific and Technological Research Council of Türkiye

TÜBİTAK

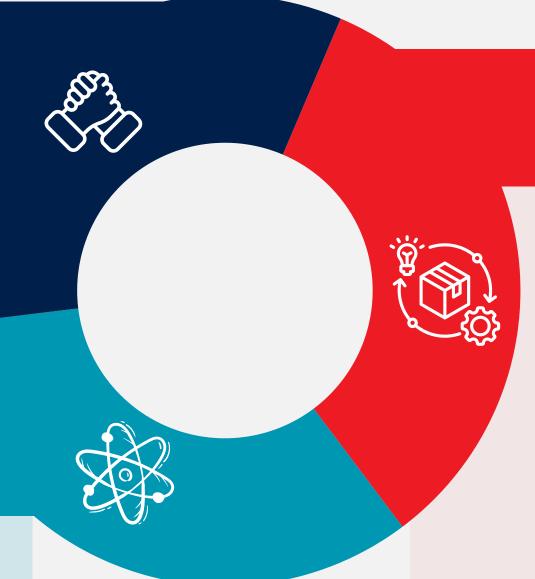


Supports

- Academy Project Support
- Industrial Project Assistance
- Business Assistance
- Scientific Researcher Support

Conducts Science and Society activities

- Scientific Journals
 - Bilim Teknik, Bilim Çocuk, Meraklı Minik
- Science Fairs, Festivals, Lectures, Camps
- Science Centers
- DeneYap Technology Workshops
- TEKNOFEST

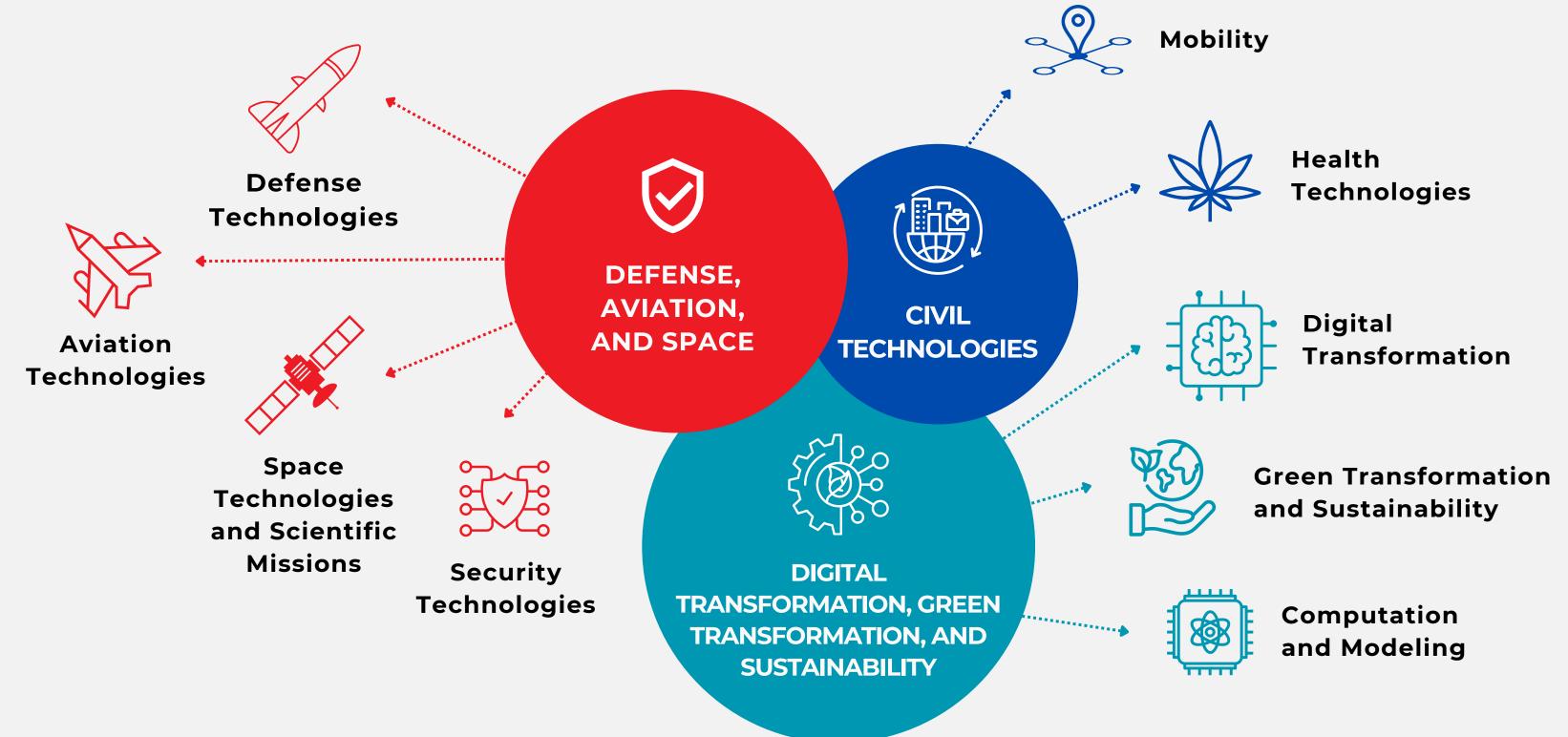


Develops

- Informatics and Information Security Research Center (BiLGEM)
- Marmara Research Center (MAM)
- Defense Industry Research and Development Institute (SAGE)
- National Metrology Institute (UME)
- Rail Transport Technologies Institute (RUTE)
- Space Technologies Research Institute (UZAY)
- Turkish Management Sciences Institute (TÜSSİDE)
- Institute of Basic Sciences Research (TBAE)
- National Academic Network and Information Center (ULAKBIM)
- BUTAL Bursa Test and Analysis Laboratory

TÜBİTAK's Major Competencies















We are exploring space, developing critical components





DEFENSE, AVIATION, AND SPACE



Space
Technology and
Scientific
Missions



KAAN Turkish Fighter



Multi-Core Real-Time Operating System



DEFENSE, AVIATION, **AND SPACE**



- Central Management Computer
- Task Management Computer



Deterministic Network



Aviation Technologies



Test System



Antenna **Test System** (NFRTF)

SOM A/B1/B2

SOM M

HGK 82/83/84 NEB

- Life Support System
- Explosion Prevention System
 - Design of Radar Absorbing Multilayer Canopy
 - Design of Frequency Selective Radome
 - Electromagnetic Modeling and Application of **Frequency Selective** Surfaces
 - High Speed Network
 - Middleware

GÖKHAN **KGK** 82/83 GÖKDOĞAN/BOZDOĞAN

We are training artificial intelligence and using it in our applications

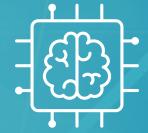




DIGITAL
TRANSFORMATION,
GREEN
TRANSFORMATION,
AND SUSTAINABILITY



Data 03



Digital Transformation

- Integrated Public Financial Management System
- Turkish Large Language Model
- Digital Government Middleware Project
- Digital Transformation Assessment Model (DDX)
- Al Co-Development Laboratories Al Project Calls for Public and Private Sectors

We are mobilizing technology for efficiency in agriculture





DIGITAL
TRANSFORMATION,
GREEN
TRANSFORMATION,
AND SUSTAINABILITY



Green
Transformation
and
Sustainability



Dissemination (HASSAS)

Precision Agriculture and Sustainable Practices Project

National Land Cover Classification System (NLCSS)









DIGITAL
TRANSFORMATION,
GREEN
TRANSFORMATION,
AND SUSTAINABILITY



Green
Transformation
and
Sustainability

In every vital area, TÜBİTAK works, develops, and supports

- Seismology Research Center
- Seismic risk
- Earthquake risk evaluation
- Aftershock monitoring



We are enhancing the competitiveness of the food sector together





CIVIL TECHNOLOGIES



Health Technology



- Türkiye Food Innovation Platform (TÜGİP)
- Food safety
- Dietary supplements
- Additive-free food formulas and technology packages (yogurt, shalgam, etc.)

Global Initiatives



T.R.N.C.

- Accounting Project
- Maintenance of E-Signature and E-ID

JORDAN

JordanSat

LIBYA

Electronic Identification,
 Electronic Passport

SAUDI ARABIA

- High-Power Laser
- Metrology Framework
- PQ7F Power Quality Analyzer

QATAR

• Measurement of Time and Frequency

Land Navigation

 Project for Electronic Warfare Training Center

UZBEKISTAN

 Time and Frequency Laboratory

TURKMENISTAN

• E-ID

AZERBAIJAN

• AzMI Project 15 Calibration Laboratory

Network Security Appliance

AzMI Project

PAKISTAN

- Common Criteria Laboratory
- Modernization of Agosta Submarine
- IQBAL Project High-Resolution Electro-Optical Camera

NIGERIA

E-Passport

MALAYSIA

- Acoustic Database
- E-Passport

Completed Projects

Opportunities







Least Developed Countries

Cooperation Opportunities

Least Developed Countries

Focus Areas





Investing in LDCs to leave no one behind



Leveraging the power of Science,
Technology and Innovation for the Sustainable Development of LDCs



Structural transformation as a driver of prosperity in the LDCs



Enhancing the participation of LDCs in international trade and regional integration



Addressing
climate change,
environmental
degradation,
recovery from
the pandemic
and building the
resilience of
LDCs against
future shocks



Mobilizing international solidarity, reinvigorated global partnerships and innovative tools and instruments: a march towards sustainable graduation









Marmara Research Center (MAM)





ENERGY TECHNOLOGIES

MATERIAL TECHNOLOGIES





CLIMATE CHANGE AND SUSTAINABILITY

LIFE SCIENCES



Marmara Research Center (MAM)



OUR CENTERS OF EXCELLENCE

- AVIATION MATERIALS
- BIOMATERIALS, BIOMECHANICS and BIOELECTRONICS
- PHOTOVOLTAICS
- UNDERWATER ACOUSTICS
- ENERGETIC MATERIALS
- BIOTECHNOLOGICAL DRUGS
- HERBAL DRUGS
- ANALYSIS KIT DEVELOPMENT FOR FOOD ANALYSIS
- ADVANCED COAL CONVERSION TECHNOLOGIES



BIOLOGICAL AND
CHEMICAL NATIONAL
TEST CENTER



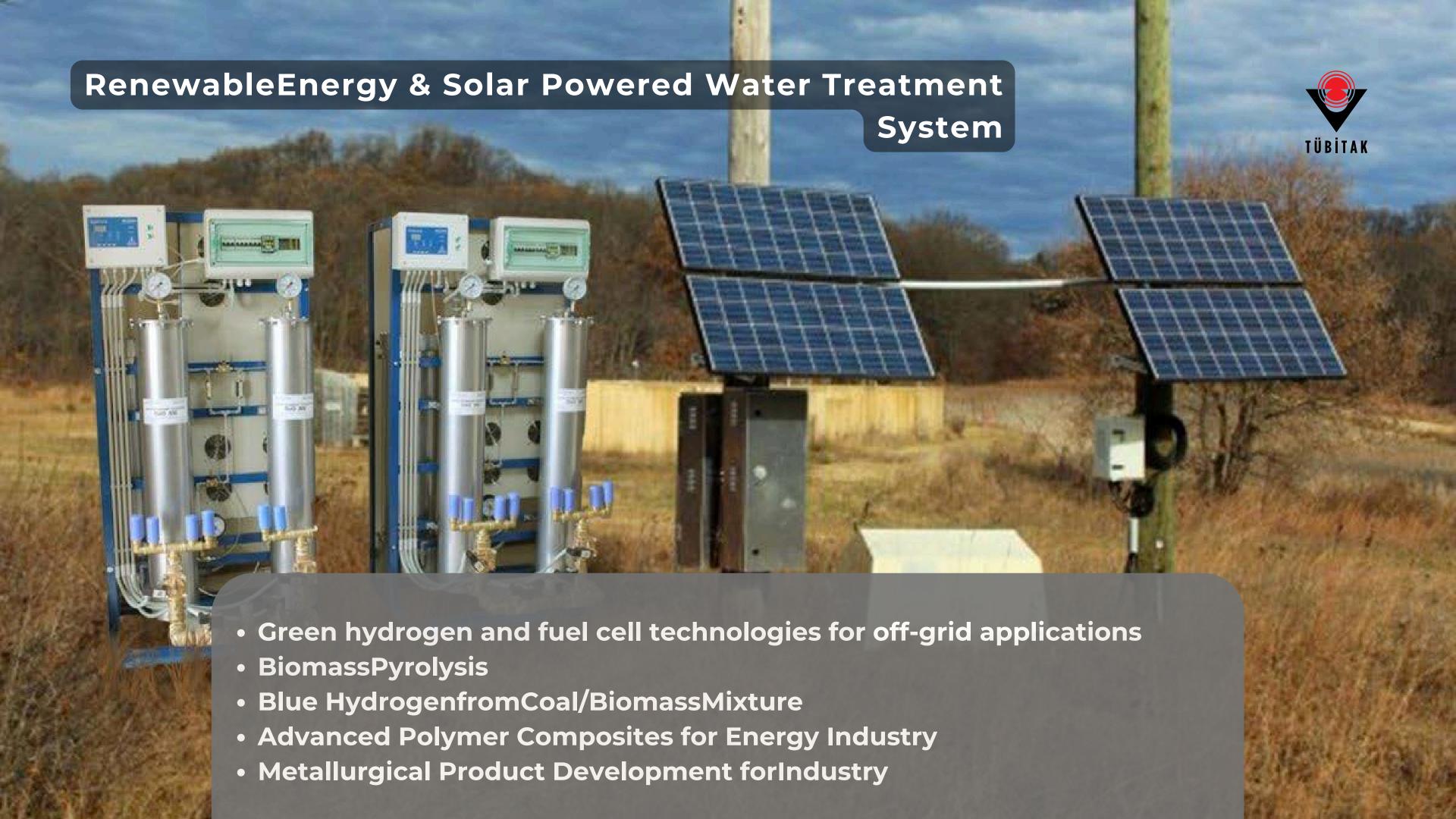
MEDICAL BIOTECHNOLOGY EXCELLENCE CENTER



FOOD INNOVATION CENTER



NATIONAL
CARBON-14
DATING LABORATORY









Informatics and Information Security Research Center (BİLGEM)



National Research
Institute of Electronics
and Cryptology

Information
Technologies Institute

Advanced
Technologies Research
Institute

Cyber Security Institute

Software Technologies

Research Institute

Artificial Intelligence Institute

Informatics and Information Security Research Center (BİLGEM)





Avionics



Cryptographic Systems



Cyber Security



Artificial Intelligence



Semiconductor Technologies



Naval Defense



Electronic Warfare



Blockchain & Metaverse



Digital Transformation and Software



Digital Assets and Cloud



Quantum Technologies



Electro and Optical Communication



Sensors & Radar



High Energy Laser Systems



Mobility



National Metrology Institute (UME)



Physics Group Laboratories Mechanics Group Laboratories **Chemistry Group Laboratories**



- Carrying out feasibility studies for establishment of national quality infrastructure meeting requirements of international agreements
- Preparation of roadmap and strategy for competitive national quality infrastructure
- Integration of metrology laboratories to international metrology system
- Organization of bilateral comparisons of measurement standards
- Provision of calibration services, training and consultancy services
- Development of metrological equipment/instruments

BUTAL - Bursa Test and Analysis Laboratory



Material-Textile Laboratory Chemistry-Environment Laboratory

Food and Agricultural Chemistry Laboratory









