



# TTMD

## PROJECTS MADE ABROAD BY TURKISH MECHANICAL DESIGNERS

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OCTOBER 2022  
ANTALYA

Turkey first met with the air conditioning sector in the 1920s.

In these years, heating, cooling and ventilation systems were established due to the needs of industrial facilities such as sugar and textile factories.

These projects were mainly realised by German, French, British and Italian companies.

The companies have done all their engineering design works through the engineers they brought from their own countries.

In this process, some engineers from Turkey were also included in the projects and thus the first engineering knowledge in the country began to be formed.

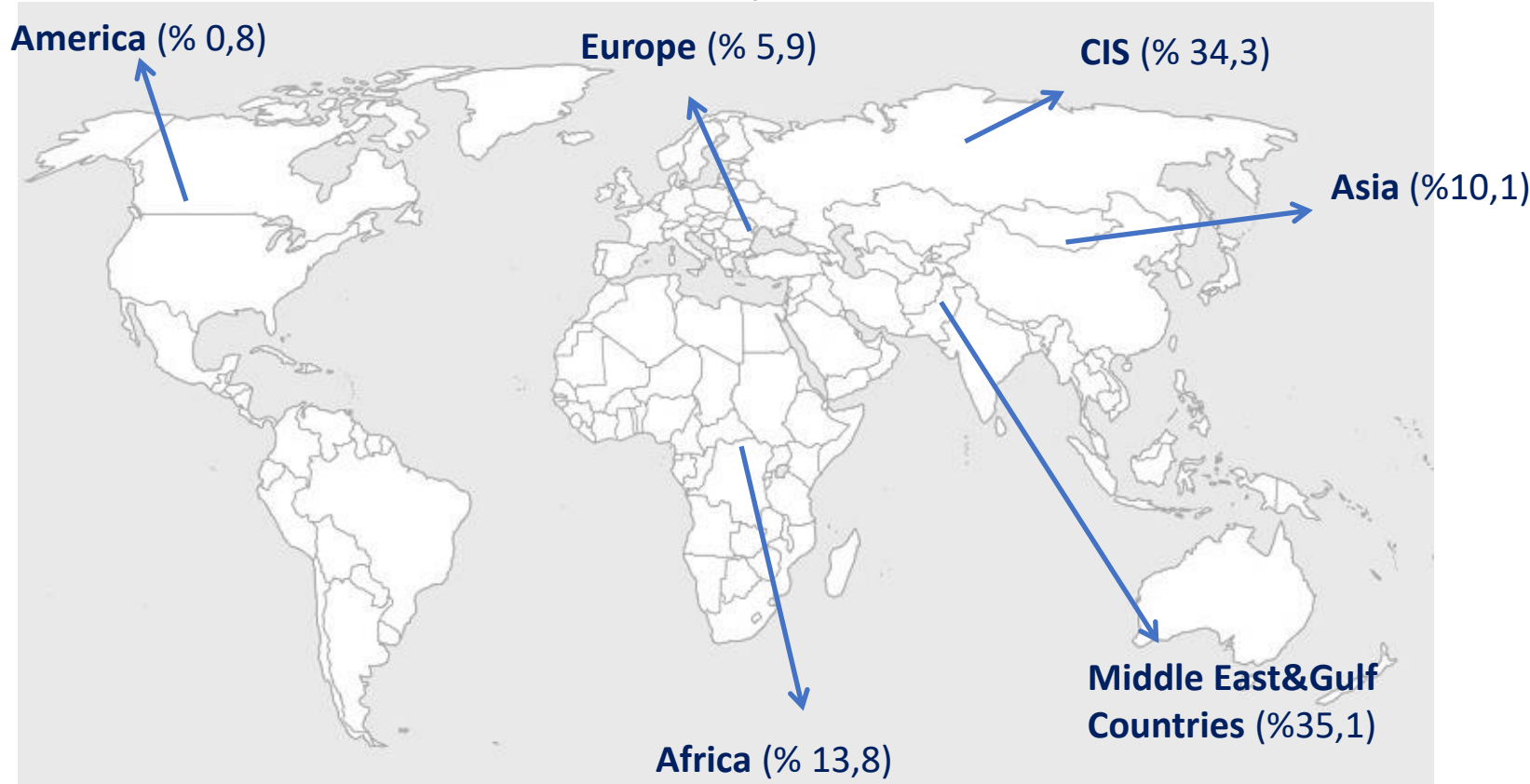
With the return of Turkish engineers who went abroad for training in the early 1930s, local air conditioning system studies in Turkey actually started.

Starting from the 1940s, engineers began to enter working life through the heating departments opened in universities in Turkey.

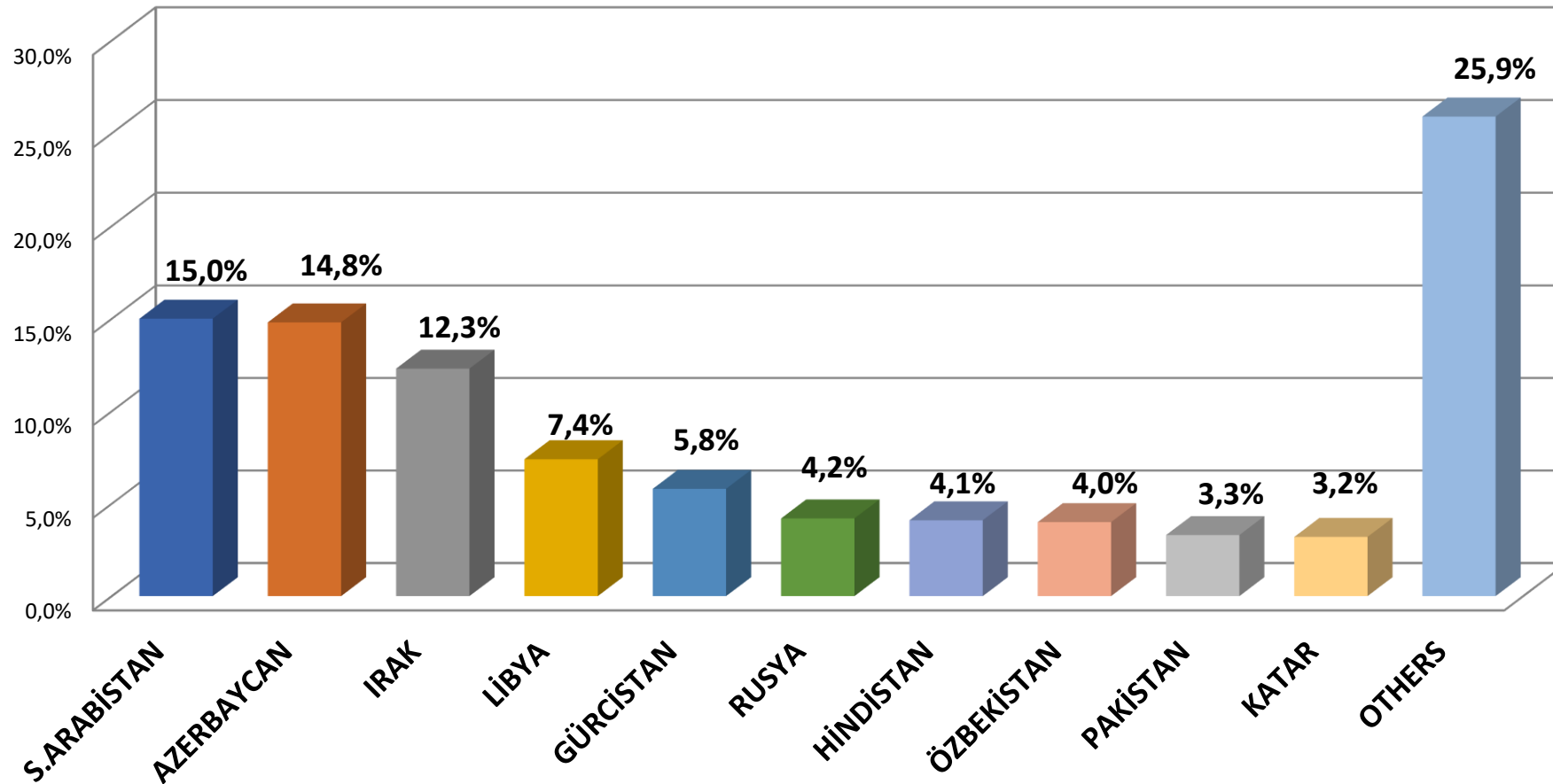
Since the second half of the 1980s, especially with the development of the hotel industry, air conditioning engineers in Turkey started to design their projects using International Standards.

With the development of Turkish contracting services abroad with these years, Turkish engineers were able to design in foreign projects.

Today, Turkish consultancy and design companies provide services in many countries of the world.



# International studies of Turkish consultants and design firms between 1972-2022



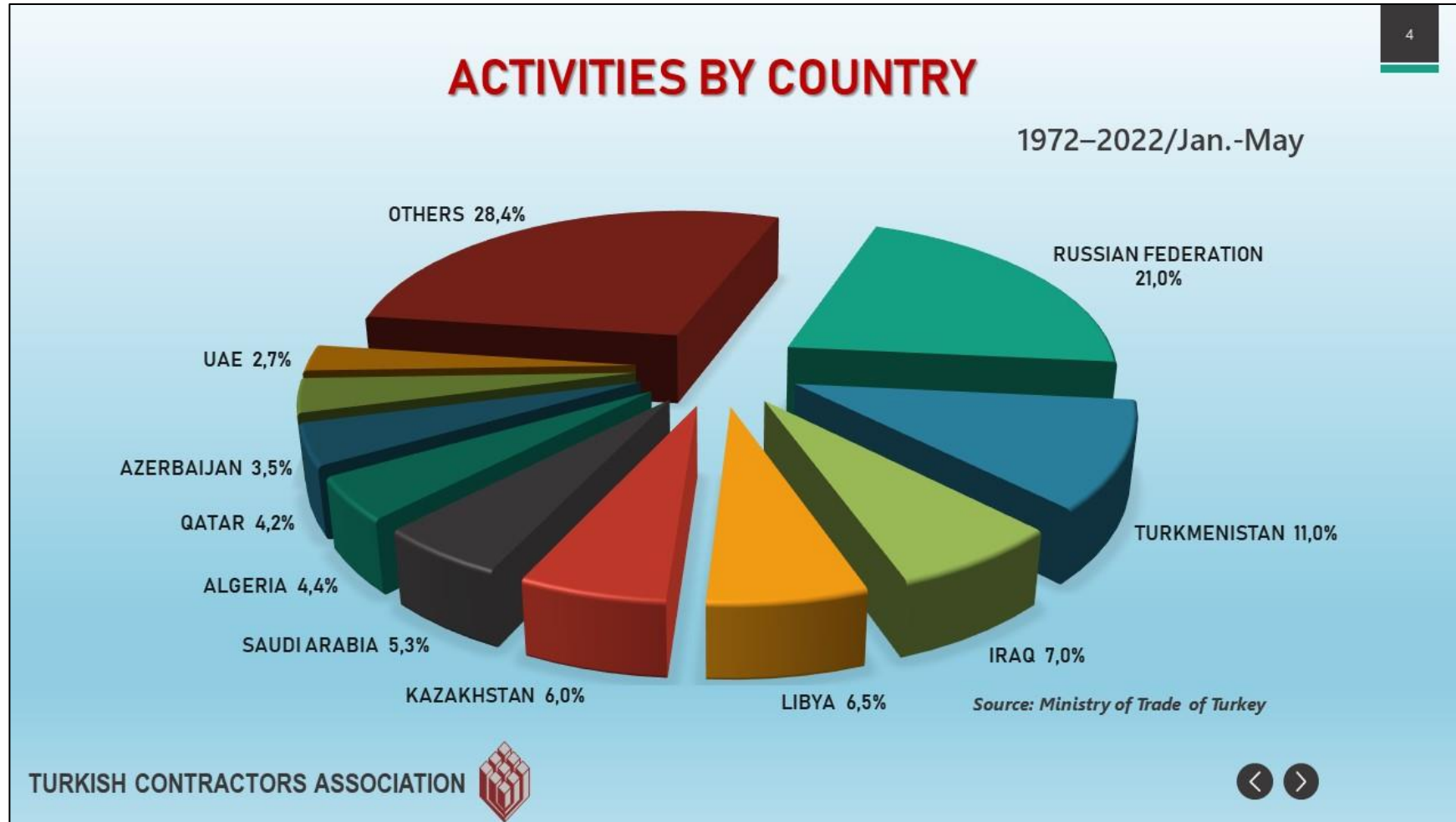


# International projects of Turkish contracting companies





# International projects of Turkish contracting companies



Turkish mechanical systems design offices, acting together with Turkish consultancy and contracting companies, design a wide variety of projects in many countries of the world.

# Building Bridges

- **Hotels**
- **Hospitals**
- **Airports**
- **Shopping malls**
- **Office buildings**
- **Multi-purpose high rise buildings**
- **Factories**
- **Museums**
- **Educational facilities**
- **Residences**
- **Clean rooms**
- **Train stations**
- **Public buildings**
- **University campuses**
- **Convention centers**
- **Private residences**
- **Sports facilities**
- **Swimming pools**

etc. There are designs of Turkish engineers in many buildings.

- Ventilation
- Heating
- Cooling
- Plumbing
- Waste water
- Rain water
- Fire fighting
- Smoke exhaust
- Pressurization
- BMS
- Medical gas
- Pneumatic systems

They can design projects in 2D and 3D, and they also produce projects with the BIM system.

Since Turkish building engineers have design in many countries of the world, they also have knowledge of different standards of different countries.

# Examples of some projects carried out abroad by Turkish engineers:

# Romania-Iasi UBC Campus Office Building (84.000 m2)





# Maldives Ayada Hotel (25.000 m<sup>2</sup>)



# Russia-Moscow Belaya Dacha Shopping Mall (120.000 m<sup>2</sup>)



# Iraq-Baghdad State Guest House (25.000 m2)





# Russia-Sochi Ayazovksy Hotel (50.000 m<sup>2</sup>)



# Kazakhstan-Aktau Airport Terminal Building (25.000 m2)





# Kuwait-Farwaniya International Airport Passenger Terminal (750.000 m2)



# Uzbekistan-Tashkent Parliament Building (20.000 m2)





# Azerbaijan-Baku Hilton Hotel (50.000 m2)



# Belarus-Minsk Double Tree by Hilton Hotel (50.000 m2)





# Congo-Brazzaville Radisson Blu M'Bamou Palace Hotel (25.000 m2)



# Building Bridges

# Benin-Cotonou Sofitel Casino and Convention Center (75.000 m2)



# Azerbaijan-Baku Heydar Aliyev Cultural Museum (140.000 m2)





# Iraq-Baghdad Central Bank of Iraq (100.000 m<sup>2</sup>)



# Qatar-Doha National Convention Center (105.000 m<sup>2</sup>)





# Kazakhstan-Astana Islamic Cultural Center and Mosque (100.000 m2)



# Iraq-Baghdad Military Hospital (70.000 m2)





# Saudi Arabia-Maccah Jabal Omar Sheraton Hotel (280.000 m2)



# Russia-St Petersburg Pulkovo Airport Terminal Building (110.000 m2)

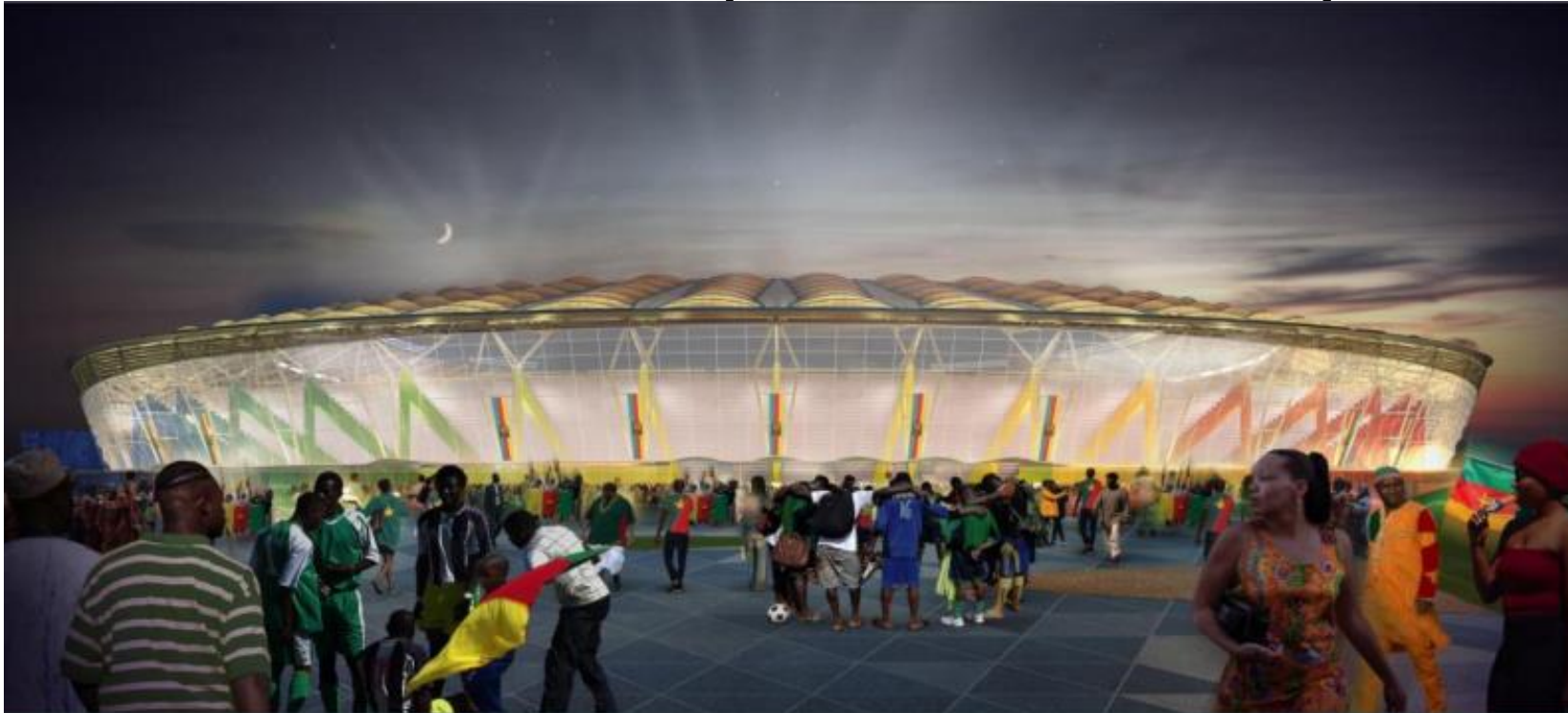




# Azerbaijan-Baku Olympic Stadium (290.000 m<sup>2</sup>)



# Cameroon-Douala Japoma Stadium (25.000 m2)





#BuildingBridges

# Rwanda-Kigali Arena (25.000 m2)





#BuildingBridges

# Niger-Niaméy Hotel (23.000 m<sup>2</sup>)



THANK YOU