

## ArabRef

KACST (King Abdul Aziz City for Science and Technology), as a major research center in Saudi Arabia, decided to promote the implementation of a fiducial reference network that intends to serve the entire Arabian Peninsula by creating a modern and consistent reference frame based on Space-Geodesy techniques.

This project, called ArabRef (Arabian Reference Frame), and is due to start this year.

## Goals

-Geodetic infrastructure for regional and multinational technical and scientific projects:
-Three-dimensional positioning,
-Geodynamics,
-Ionospheric and Tropospheric research.
-Unification of existing multiple datums in the region.
-Once established, it will lead to the realization of a Fundamental Geodetic International Station (GNSS, Galileo, SLR and DORIS)


## Future Plans

- Expand the project into several phases to establish a network of about 60 stations to achieve RTK capability
- Provide local and international institutions with highly accurate data for scientific research
- Once concluded, it will be part of SGC Space Geodetic Center

