

Flood Inundation Study in Siem Reap Town

KEY CONSULTANTS (CAMBODIA) Ltd.

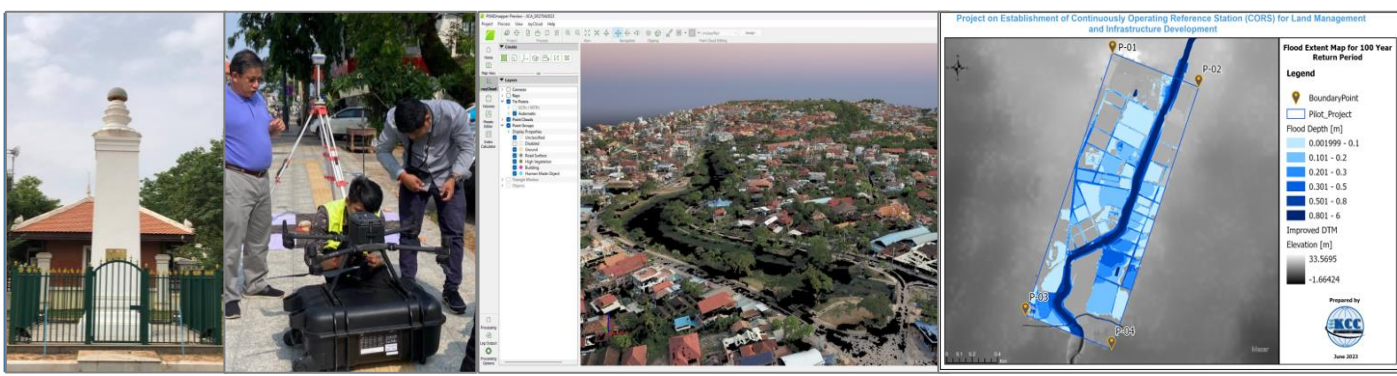
About us

KEY CONSULTANTS (CAMBODIA) Ltd. is a Cambodian consulting firm with over 20 years of experience. KCC offers a wide range of services including Water Sanitation & Environment, Topography and GIS, Urban Planning and Design, Water Resources and Rural Infrastructure, and Social Economic and Institutional Development. Their team of professionals aims to provide clients with cost-effective solutions.



How we use Khmer GEONET

We use Khmer GEONET for drone, land and bathymetric survey to produce geolocated aerial photos, and topography points as primary and essential data set for further use in wide range of applications such as hydrology and flood assessment in this case. Before using Khmer GEONET, we need more GNSS receivers which are required more investment and time to setup to start the work. But now we just connect our survey devices to the Khmer GEONET CORS, and it is ready to go with centimeter-level accuracy.



Without Khmer GEONET

The conventional method or traditional RTK method requires more sources to operate. Users are required to purchase at least two GNSS receivers, one of which serves as the base station and the other as a rover, resulting in a significant initial investment cost

With Khmer GEONET

Now, Khmer GEONET CORS provides convenience and work efficiency by reducing time-consuming and cost as we can start with only one GNSS receiver as the rover. The GNSS data collected by the CORS station is processed and transmitted to users via the internet, allowing them to access high-precision positioning information from anywhere, at any time.

From here forward

Khmer GEONET is being used as a reference station for establishing Temporary Bench Marks (TBM) in other areas such as Phnom Penh, providing results as good as the National Benchmark (NBM). It can be used for engineering surveys like canal and road alignment, and bathymetric surveys in areas like Tonle Sap and Mekong River. Khmer GEONET's time-saving nature and accuracy match the National Benchmark, making it a more efficient option for engineering surveys.