

# Arqeen – Dongola Road

## Client

Egyptian Federation for Construction & Building Contractors (EFCBC)

## Scope of Work

Data collection  
Feasibility study  
Economical study  
Traffic impact study  
Survey works  
Soil investigation  
Concept design  
Tender documents

## Location

Sudan

## Types of Activities

### Roads

- Horizontal alignment
- Vertical alignment
- Structural design of pavement
- Signing, marking and road safety

### Storm Drainage

- Rainfalls calculations
- Catchment area analysis
- Storm pipelines network
- Crossing culverts, catch basins and manholes
- Protection of existing facilities and networks

ECG was contracted by Egyptian Federation for Construction and Building Contractors (EFCBC), to conduct the economical and feasibility study, design and tender for approximately 450 km road between Arqeen City, located at the Egyptian Sudanese Border and Dongola City, the capital of the north state, parallel to the Nile River from the west side.

This project is considered one of the main routes to connect between Egypt and Sudan with the African

countries located on the same vertical route from Alexandria to Cape Town in South Africa. In spite of the fact that this study covers only the distance between Arqeen and Dongola as part of the middle route, west of the River Nile of Egypt and Sudan, its impact is also spread to cover the north and south African traffic movement throughout the COMESA agreement of the east and west Africa, and also the commercial general agreement either for services or goods.

