

Infrastructure Networks

Design of Infrastructure Networks

One of **Arkonsult** goals when designing any project is to be integrated and coherent so that it is compatible with international standards and local conditions, taking into account meeting the conditions and requirements of construction and to be within the budget allocated for the project.

Infrastructure works include but are not limited to:

- Electrical Power Network & Substations
- Telecommunication & Data networks
- Outdoor Lighting & Streets Lighting
- Security Systems Networks (CCTV, Access Controls, etc.)
- Soft & hard Landscape & Water Features
- Traffic Study
- Roads, Parking & Walkways
- Water Supply Networks, Tanks & Pumping Stations
- Fire Fighting Networks & Pumping Stations
- Sewage Network, Treatment Plant
- Storm & Surface Water Network
- Irrigation Network
- Service Corridors
- Garbage Management

BURUJ RESIDENTIAL PROJECT

Infra- Structure Networks

Arkonsult completed the designs of all infrastructure facilities for the project in accordance with international standards and the requirements of local authorities,

in addition to submitting all contract documents for their implementation (tender Drawings, Specs, BOQ, Contract wording).

The Submitted **infrastructure** networks of the project as follow:

- ❖ Sewage Networks
- ❖ Rainfall and & Surface Drainage Networks
- ❖ Water Supply Networks along with Water Tanks and Pumping Works
- ❖ Fire Fighting Networks
- ❖ Soft & Hard Land Scape and Water Feature
- ❖ Irrigation Networks
- ❖ Electricity Networks and Transfer Stations
- ❖ Street & Outdoor Lighting
- ❖ Telecommunication & Data Networks
- ❖ Security Systems Networks (CCTV, Access Controls, etc.)
- ❖ Roads, Walkways & Parking Slots
- ❖ Traffic Study
- ❖ Garbage management
- ❖ Underground Shelters (as required by local civil defense)



GRAND MILLENIUM PROHECT

Site Infra-Structure Networks



Arkonsult completed the designs of all infrastructure facilities for the site of project (Plot Area of **208,324** sqm)

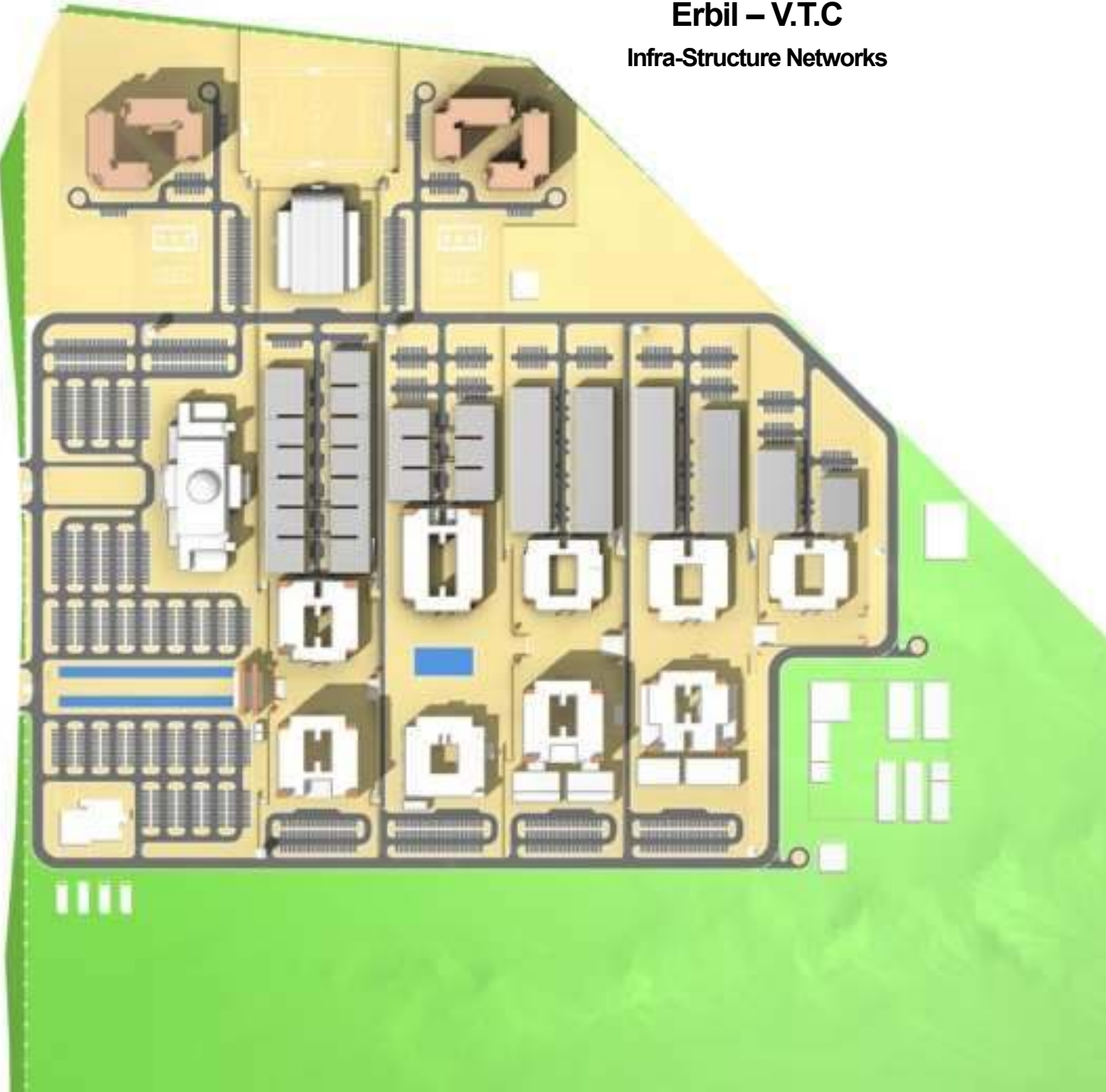
in accordance with international standards and the requirements of local authorities, in addition to submitting all contract documents for their implementation (IFC Drawings, Specs, BOQ and Contract Wording).

The submitted infrastructure networks as follow:

- Sewage Networks
- Rainwater and Surface Drainage Networks
- Water Supply Networks
- Fire Fighting Networks
- Soft & Hard Landscape and Water Feature
- Irrigation Networks
- Street & Outdoor Lighting Networks
- Electricity Networks and Substations
- Telecommunication & Data Network
- Security Systems Networks
- Road Network and Sidewalks
- Traffic Study
- Garbage Management

Erbil – V.T.C

Infra-Structure Networks



Arkonsult completed the designs of all infrastructure facilities for the project site (Plot Area: 625,792 sqm) in accordance with international standards and the requirements of local authorities, in addition to submitting all contract documents for construction (Tender drawings, specifications, schedules of quantities and prices, and contract wording).

The submitted **infrastructure** Networks for this project included the following:

- Sewage Networks & Treatment Plant
- Rainwater and Surface Drainage Networks
- Water Supply Networks along Water Tanks
- Fire-Fighting Networks
- Hard & Soft Landscape
- Irrigation Networks
- Electricity Networks and Substations
- Street & Outdoor Lighting Networks
- Telecommunication & Data Networks
- Security Systems Networks (CCTV, Access Controls, etc.)
- Road, Sidewalks, & Parking
- Retaining Wall & Civil Structures
- Traffic Study
- Garbage management

Sulaimanya – V.T.C

Site- Infra-Structure Networks



Arkonsult completed the designs of all infrastructure facilities for the project site (Plot Area: 497,661 sqm) in accordance with international standards and the requirements of local authorities, in addition to submitting all contract documents for construction (Tender drawings, specifications, schedules of quantities and prices, and contract wording).

The submitted **infrastructure** Networks for this project included the following:

- Sewage Networks & Treatment Plant
- Rainwater and Surface Drainage Networks
- Water Supply Networks along Water Tanks
- Fire-Fighting Networks
- Hard & Soft Landscape
- Irrigation Networks
- Electricity Networks and Substations
- Street & Outdoor Lighting Networks
- Telecommunication & Data Networks
- Security Systems Networks (CCTV, Access Controls, etc.)
- Road, Sidewalks, & Parking
- Retaining Wall & Civil Structures
- Traffic Study
- Garbage management

Duhok – V.T.C

Site Infra-Structure Networks



Arkonsult completed the designs of all infrastructure facilities for the project site (Plot Area: 229,761 sqm) in accordance with international standards and the requirements of local authorities, in addition to submitting all contract documents for construction (Tender drawings, specifications, schedules of quantities and prices, and contract wording).

The submitted **infrastructure** Networks for this project included the following:

- Sewage Networks & Treatment Plant
- Rainwater and Surface Drainage Networks
- Water Supply Networks along Water Tanks
- Fire-Fighting Networks
- Hard & Soft Landscape
- Irrigation Networks
- Electricity Networks and Substations
- Street & Outdoor Lighting Networks
- Telecommunication & Data Networks
- Security Systems Networks (CCTV, Access Controls, etc.)
- Road, Sidewalks, & Parking
- Retaining Wall & Civil Structures
- Traffic Study
- Garbage management

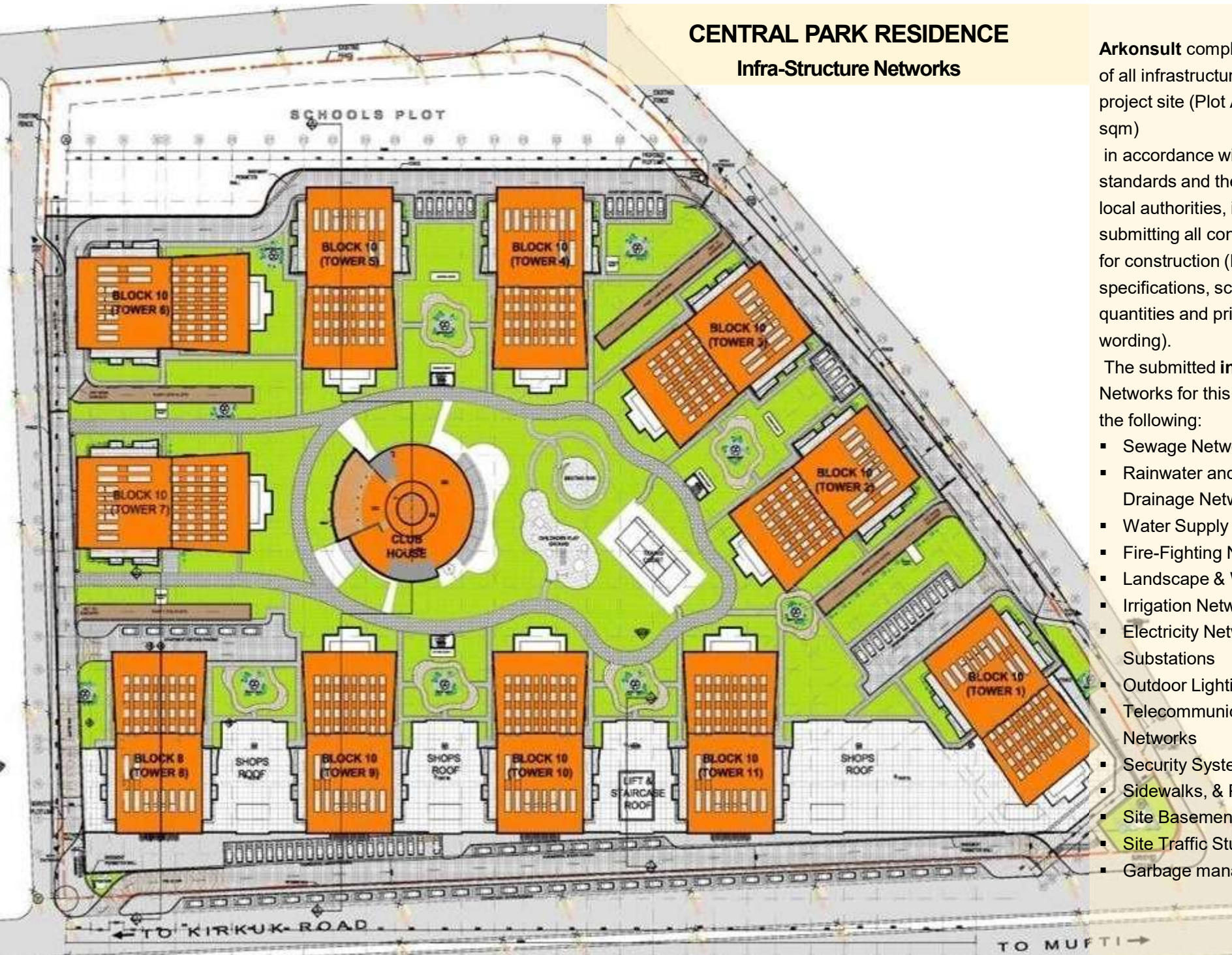
CENTRAL PARK RESIDENCE Infra-Structure Networks

Arkonsult completed the designs of all infrastructure facilities for the project site (Plot Area: 42,000 sqm)

in accordance with international standards and the requirements of local authorities, in addition to submitting all contract documents for construction (IFC drawings, specifications, schedules of quantities and prices, and contract wording).

The submitted **infrastructure** Networks for this project included the following:

- Sewage Networks
- Rainwater and Surface Drainage Networks
- Water Supply Networks
- Fire-Fighting Networks
- Landscape & Water Feature
- Irrigation Networks
- Electricity Networks and Substations
- Outdoor Lighting Networks
- Telecommunication & Data Networks
- Security Systems
- Sidewalks, & Parking
- Site Basement Walls
- Site Traffic Study
- Garbage management





Villas & Low-rise Buildings