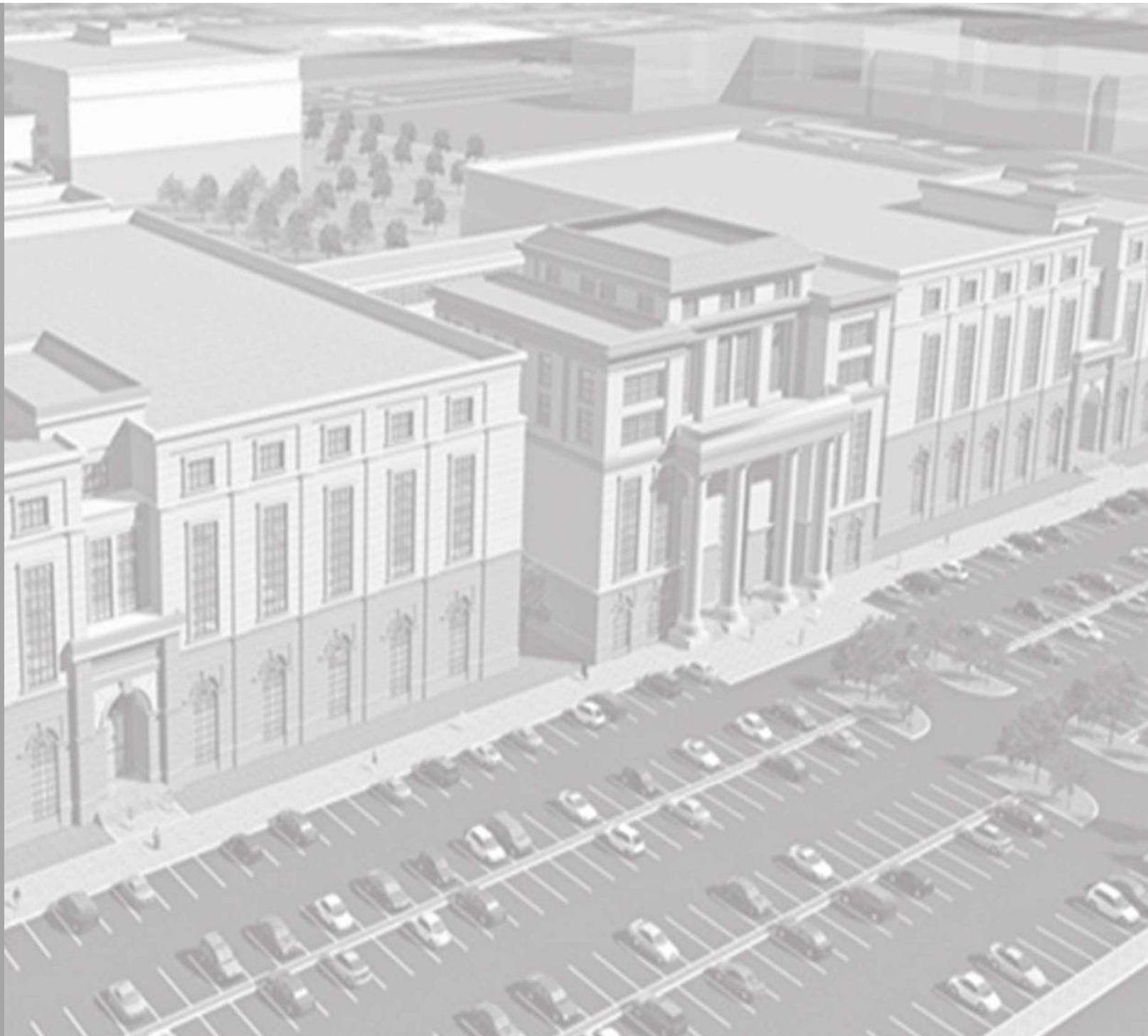


## **Universities & Educational Buildings**

when designing any educational project, as a starting point, we study relevant and well established examples of schools and universities in different parts of the world.

and, by using this as a base, we offer alternative solutions reflecting the provided brief, the local social fabric, and the projected growth of the institution, coupled with our best suitable design patterns.



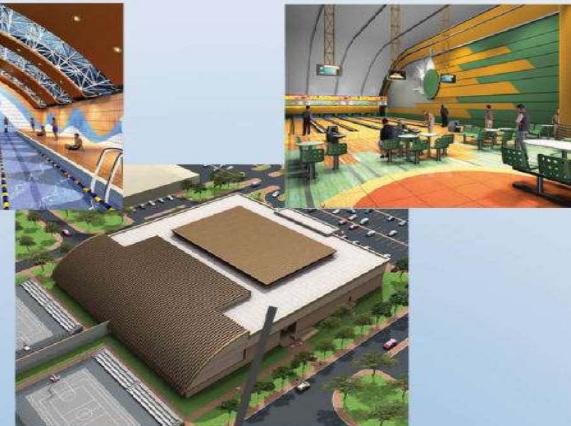


### Abu Dhabi University

An integrated and pioneering educational compound in Abu Dhabi includes: Main Campus, Academic Buildings, Laboratories, Schools for all levels, Housing Buildings for Educational Staff, Employees, Students Sports & community centers, Nursery & Mosque Central station Include, Water & Irrigation Tanks, Electrical Generators, etc. District cooling water distribution & Required Electrical Substations.

Total construction area: 183,657 square meters and its value is about \$150 million.

**Arkonsult** completed all architectural, structural, mechanical, electrical and plumbing designs for the buildings and associated infrastructure Starting from the Conceptual Design And Preliminary Design till Full Detail Design along with obtaining all required approvals from the relevant authorities, including building permits. **Arkonsult** also prepared all contract documents for the construction of the project in several stages. Furthermore **Arkonsult** supervised the construction of the main building and Most of the other buildings including obtain their **completion certificates**.





## BRITISH INTERNATIONAL SCHOOL

CONCEPT – PRELIMINARY – DETAIL DESIGN –  
SUPERVISION

Abu University Campus - Abu Dhabi-UAE



**BRITISH INTERNATIONAL SCHOOL** is an international school that includes all ages of students, from kindergarten, primary school, middle school, to high school, within one building, but with completely independent entrances and spaces that maintain the privacy of each age stage in a growing manner and in accordance with British standards and the highest international standards. The school is located within the campus of Abu Dhabi University.

The built area is **23,433** square meters and The construction cost work is about **\$18** million.

**Arkonsult** completed all Architectural, Structural, Mechanical, Electrical and Plumbing designs for the building starting from the Concept and the preliminary Design till full detail Design including **sustainable** design requirements, along with Obtaining all required approvals from official authorities, including the building permit. **Arkonsult** also prepared all contract documents to construction the project in two independent phases. The first phase included the ground floor and the first with the exterior of the entire building. The second phase included the second floor, with full coordination with the previous phase.

**Arkonsult** also supervised the building construction work in both phases and obtained the **completion certificates** for each.

## VOCATIONAL TRAINING CENTERS

Concept – Preliminary – Detail Design

Master Plan – Buildings - Infrastructure

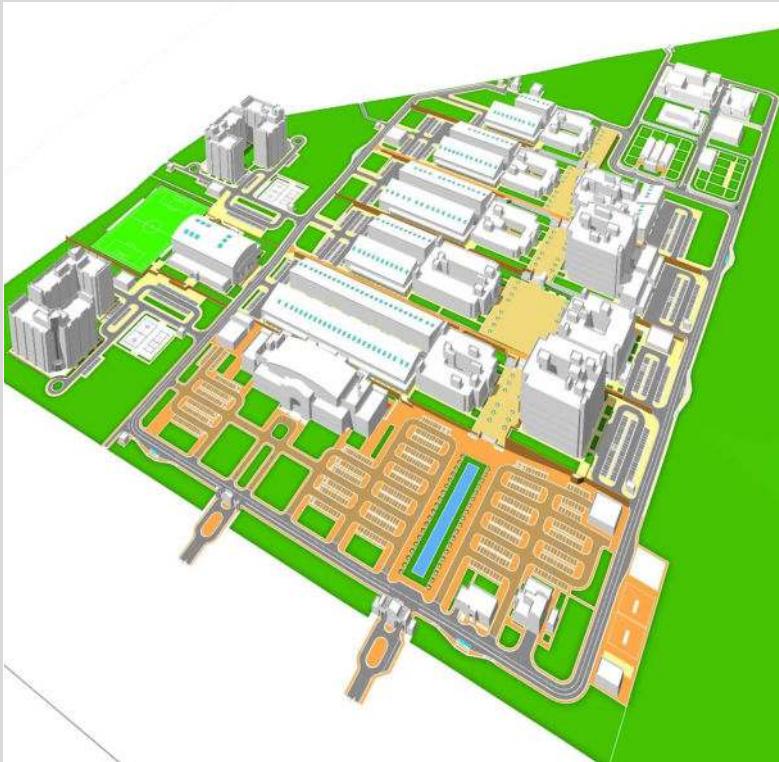
Arkonsult gained the project through an **International Competition** presented by the Ministry of Education of the Kurdistan Regional Government in Iraq, where the shortlist of companies qualified to carry out the designs included 11 international companies.

This project consists of three integrated clusters for vocational education and training in the cities of Dohuk, Sulaymaniyah, and Erbil.

The vocational centers occupy different areas of land ranging from 229,000 - 495,000 - and 625,000 square meters for Dohuk, Sulaymaniyah and Erbil, respectively.

Areas outside the building boundaries within the master plan are designated for agriculture, protected natural areas and carefully planned recreation areas.

The training centers consist of three main divisions: industrial, agricultural and commercial, with corresponding sections and professional fields that complement their activities.



**Erbil**  
**Vocational Compound**



**Sulaimaniyah**  
**Vocational Compound**



**Duhok**  
**Vocational Compound**

# DUHOK

## VOCATIONAL TRAINING CENTER



### Project Description

The training centers on Plot of **229,761 sq.m** include many educational buildings with classrooms, laboratories, workshops and staff offices. And comprise of three major departments with corresponding sections and occupational fields, as follows:

#### Industrial Department

Building Construction , Metal & Metal, Automobile , & Agro-Machinery, Mechanics Electronic & Printing, CNC, Mechatronic &Molding Making.

#### Agriculture Department

Agriculture, Green House, Apiary, Fishing, Chicken Farm, Goat Stable, Cow Shed

#### Trade Department

Trade & Tourism A&B along with General Subject Building

#### Industrial:

##### I-01- Building Construction

- I-01-1 Classrooms, Labs & Facilities
- I-01-2 Workshops

##### I-02- Automobile & Agro-Machinery

- I-02-1 Classrooms, Labs & Facilities
- I-02-2 Workshops

##### I-03- Mechanics

- I-03-1 Classrooms, Labs & Facilities
- I-03-2 Workshops

##### I-04- Electronic & Printing

- I-04-1 Classrooms, Labs & Facilities
- I-04-2 Workshops

#### Agriculture

##### A01- Veterinary & Food Processing Ing.

- A-01-1 Classrooms, Labs & Facilities
- I-03-2 Workshops

##### A02- Agriculture Farm

- A-02-1 Green House
- A-02-2 Apiary
- A-02-3 Fishing
- A-02-4 Chicken Farm
- A-02-5 Goat Stable
- A-02-6 Cow Shed

#### Trade

##### T-01- Trade Building A

- T-01-1 Classrooms, Labs & Facilities
- T-01-2 Workshops

##### T-02- Tourism

##### T-03- Trade Building B

- T-03-1 Classrooms, Labs & Facilities
- T-03-2 Workshops

#### Common Facilities:

- C-01- Administration Building
- C-02- Outdoor Playing Area1
- C-03 Sport Center Building
- C-04- Outdoor Playing Area2
- C-05- Outdoor Playing Area3

#### Dormitories:

- D-01- Male Dormitory Building
- D-02- Female Dormitory Building

#### External/Site Utilities:

- U-01- Guard House-1
- U-02- Sewerage Treatment Plant-1
- U-03- Sewerage Treatment Plant-2
- U-04- Sewerage Treatment Plant-3
- U-05- Fire Station
- U-06- Substation-1
- U-07- Guard House-2
- U-08- Irrigation Tank
- U-09- Fire Tank
- U-10- Guard House-3
- U-11- Substation-2
- U-12- Guard House-4
- U-13- Guard House-5
- U-14- Guard House-6
- U-15- Domestic Water Tank
- U-16- Shaded Parking
- U-17- Open Parking
- U-18- Shaded Walkway
- U-19- Open Walkway
- U-20- Boundary Wall & Security Fence
- U-21- Landscaped Areas

# SULAIMANIYAH

## VOCATIONAL TRAINING CENTER



### Project Description

The training centers on Plot of **497,661** sq.m include many educational buildings with classrooms, laboratories, workshops and staff offices. And comprise of three major departments with corresponding sections and occupational fields, as follows:

### Industrial Department

Building Construction , Metal & Metal, Automobile , & Agro-Machinery, Mechanics  
Electronic & Printing, CNC, Mechatronic & Molding Making.

### Agriculture Department

Agriculture, Green House, Apiary, Fishing, Chicken Farm, Goat Stable, Cow Shed

### Trade Department

Trade & Tourism A&B along with General Subject Building

#### Industrial:

##### I-01- Building Construction

- I-01-1 Classrooms, Labs & Facilities
- I-01-2 Workshops

##### I-02- Automobile & Agro-Machinery

- I-02-1 Classrooms, Labs & Facilities
- I-02-2 Workshops

##### I-03- Mechanics

- I-03-1 Classrooms, Labs & Facilities
- I-03-2 Workshops

##### I-04- Electronic & Printing

- I-04-1 Classrooms, Labs & Facilities
- I-04-2 Workshops

#### Agriculture

##### A01- Veterinary & Food Processing Ing.

- A-01-1 Classrooms, Labs & Facilities
- I-03-2 Workshops

##### A02- Agriculture Farm

- A-02-1 Green House
- A-02-2 Apiary
- A-02-3 Fishing
- A-02-4 Chicken Farm
- A-02-5 Goat Stable
- A-02-6 Cow Shed

#### Trade

##### T-01- Trade Building A

- T-01-1 Classrooms, Labs & Facilities
- T-01-2 Workshops

##### T-02- Tourism

##### T-03- Trade Building B

- T-03-1 Classrooms, Labs & Facilities
- T-03-2 Workshops

#### Common Facilities:

- C-01- Administration Building
- C-02- Outdoor Playing Area1
- C-03 Sport Center Building
- C-04- Outdoor Playing Area2
- C-05- Outdoor Playing Area3

#### Dormitories:

- D-01- Male Dormitory Building
- D-02- Female Dormitory Building

#### External/Site Utilities:

- U-01- Guard House-1
- U-02- Sewerage Treatment Plant-1
- U-03- Sewerage Treatment Plant-2
- U-04- Sewerage Treatment Plant-3
- U-05- Fire Station
- U-06- Substation-1
- U-07- Guard House-2
- U-08- Irrigation Tank
- U-09- Fire Tank
- U-10- Guard House-3
- U-11- Substation-2
- U-12- Guard House-4
- U-13- Guard House-5
- U-14- Guard House-6
- U-15- Domestic Water Tank
- U-16- Shaded Parking
- U-17- Open Parking
- U-18- Shaded Walkway
- U-19- Open Walkway
- U-20- Boundary Wall & Security Fence
- U-21- Landscaped Areas

# ERBIL

## VOCATIONAL TRAINING CENTER



### Project Description

The training centers on plot sizes of **625,792 sq.m** include many educational buildings with classrooms, laboratories, workshops and staff offices. And comprise of three major departments with corresponding sections and occupational fields, as follows:

#### Industrial Department

Building Construction , Metal & Automobile , & Agro-Machinery, Mechanics  
Electronic & Printing, CNC, Mechatronic &Molding Making.

#### Agriculture Department

Agriculture, Green House, Apiary, Fishing, Chicken Farm, Goat Stable, Cow Shed

#### Trade Department

Trade & Tourism A&B along with General Subject Building

#### Industrial:

##### I-01- Building Construction

- I-01-1 Classrooms, Labs & Facilities
- I-01-2 Workshops

##### I-02- Automobile & Agro-Machinery

- I-02-1 Classrooms, Labs & Facilities
- I-02-2 Workshops

##### I-03- Mechanics

- I-03-1 Classrooms, Labs & Facilities
- I-03-2 Workshops

##### I-04- Electronic & Printing

- I-04-1 Classrooms, Labs & Facilities
- I-04-2 Workshops

#### Agriculture

##### A01- Veterinary & Food Processing Ing.

- A-01-1 Classrooms, Labs & Facilities
- I-03-2 Workshops

##### A02- Agriculture Farm

- A-02-1 Green House
- A-02-2 Apiary
- A-02-3 Fishing
- A-02-4 Chicken Farm
- A-02-5 Goat Stable
- A-02-6 Cow Shed

#### Trade

##### T-01- Trade Building A

- T-01-1 Classrooms, Labs & Facilities
- T-01-2 Workshops

##### T-02- Tourism

##### T-03- Trade Building B

- T-03-1 Classrooms, Labs & Facilities
- T-03-2 Workshops

#### Common Facilities:

- C-01- Administration Building
- C-02- Outdoor Playing Area1
- C-03 Sport Center Building
- C-04- Outdoor Playing Area2
- C-05- Outdoor Playing Area3

#### Dormitories:

- D-01- Male Dormitory Building
- D-02- Female Dormitory Building

#### External/Site Utilities:

- U-01- Guard House-1
- U-02- Sewerage Treatment Plant-1
- U-03- Sewerage Treatment Plant-2
- U-04- Sewerage Treatment Plant-3
- U-05- Fire Station
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- U-16- Shaded Parking
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- U-18- Shaded Walkway
- U-19- Open Walkway
- U-20- Boundary Wall & Security Fence
- U-21- Landscaped Areas



**Agricultural School**



**Apiary**



**Agricultural Farms  
Schools Buildings**



**Building Construction School**



**Chicken Farm**



**Goat Stable**



**Automobile and Agro Machinery School  
Electronic & Printing School**



**Fish Farm**



**Cowshed**



**Trade and Tourism School**



**General Subject  
Building**



**Automobile and Agro Machinery  
Work Shop**



**Metals & Metals Works  
Work Shop**



**Mechatronics and Molding Making  
Work Shop**



**Administration Building**



**Students Dormitory  
(Male / Female)**



**Sports Center**



## RAS LAFFAN

### EMERGENCY & SAFETY COLLEGE

#### Architectural Detail Design

Doha- Qatar



RAS LAFFAN EMERGENCY AND SAFETY COLLEGE



This project is a modern, world-class educational facility to meet fire emergency services training needs.

The general site area of the project is **1,077,765** square meters. The building area is **26,354** square meters and its value is about **\$110** million

**Arkonsult** was assigned as a specialist consultant to complete all the detailed architectural design for the project until obtaining official approvals from the relevant authorities, including preparing bills of quantities and specifications for the architectural works.



**ABU DHABI UNIVERSITY- AL AIN CAMPUS**

**Concept Design**



**First Stage Proposal**

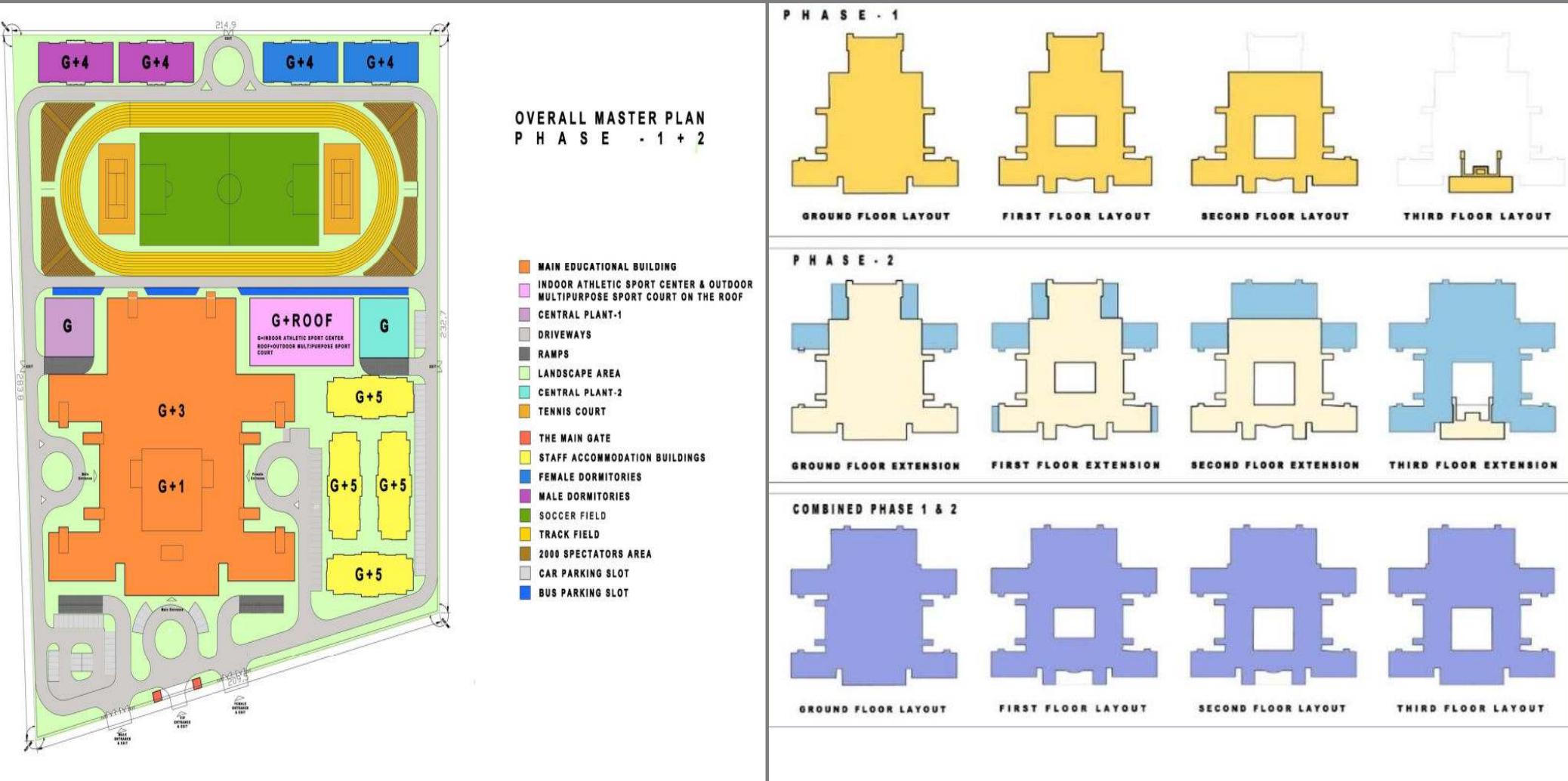
**Front Elevation**



**Second Stage Proposal**

**Front Elevation**

## Proposed Stages of Al Ain Campus – Abu Dhabi University



This world-class campus project in Al Ain, UAE, is a branch of Abu Dhabi University whose was previously designed and supervised by Arkonsult. This new campus is planned to follow a gradual expansion in line with future demand and developments. The first phase will be allocated to accommodate 2,500 students, and the second phase will be allocated to accommodate a total number of 5,000 students. Based on the assignment of the owner of the Abu Dhabi University project, **Arkonsult** prepared all preliminary designs (architectural, Structural and electromechanical) which includes the main educational building, housing for faculty staff and students, and sports centers in addition to the infrastructure and the estimated cost according to the two requested stages so that the second stage is constructed without affecting the previously constructed first stage. The approximate building area: 20,447 square meters

# AMERICAN UNIVERSITY of Duhok (AUDK)

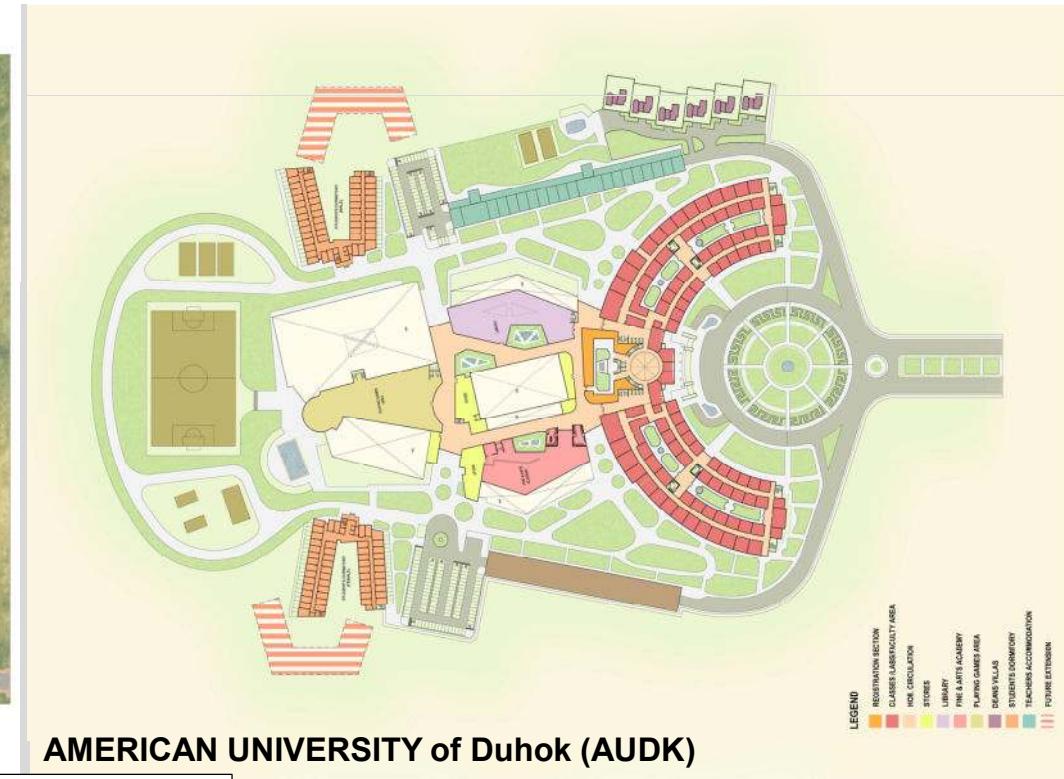
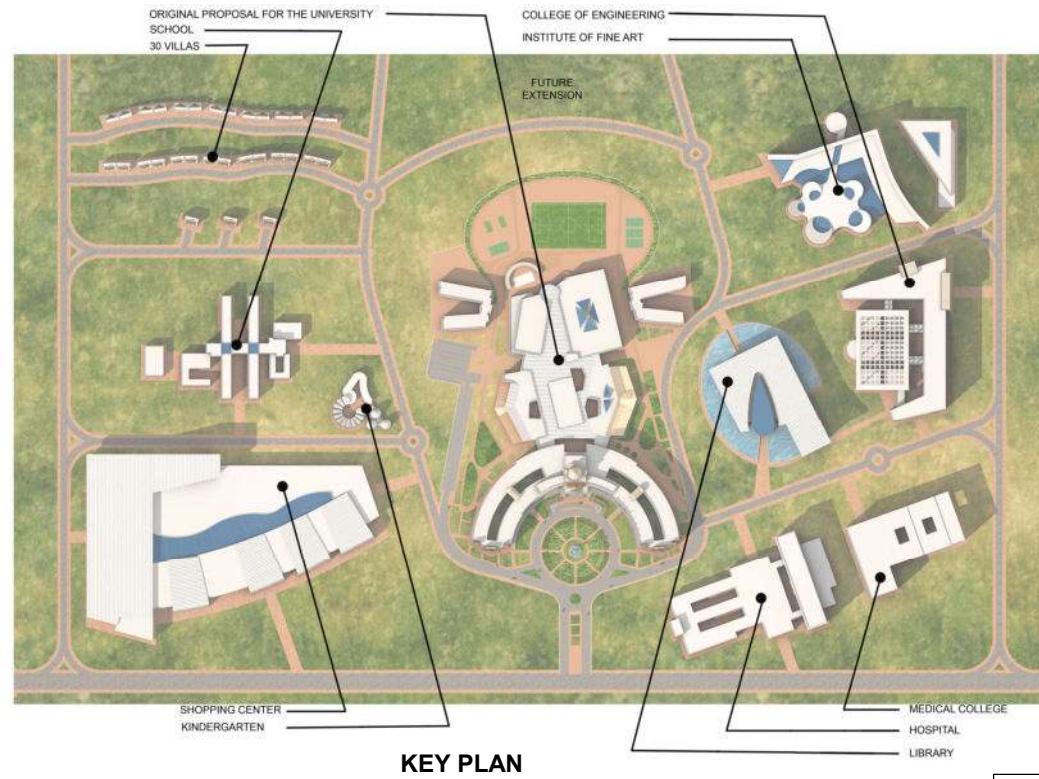
Concept Design

Duhok - Kurdistan - Iraq



An integrated and educational compound in Duhok – Kurdistan – Iraq - includes Main Campus, Academic Buildings, Laboratories, housing of Educational staff & students Sports & community centers.,

**Arkonsult** invited for international competition to submit package of conceptual design, so **Arkonsult** carried out the said concept included massive perspective of site plan along with architectural plans, elevation and sections of the main buildings accompanied with structural and elector-mechanical systems and cost estimation of the project.



#### AUDK UNIVERSITY CONCEPT DESIGN

This aerial view shows the original concept design of the university, and the proposed additional functions and colleges suggested by the president of the American university in the Emirates, and Arkonsult, as follows:

- 1- Hospital and clinics
- 2- School and Kindergarten
- 3- The university Library
- 4- College of Engineering
- 5- Shopping Center
- 6- 30 Villas

The above functions were proposed by the American university of Emirates

Arkonsult proposed:

- 1- College of Medicine, for it's compatibility
- 2- Institute of fine art, for it's compatibility with the College of Engineering and might contain Architectural studies as part of it's curriculums



**AL JAZEERA INSTITUTE**  
of SCIENCE & TECHNOLOGY

Concept Design  
Abu Dhabi - U.A.E



This outstanding Institute campus in Abu Dhabi, UAE This new campus is planned to follow expansion demand of technology. Based on the assignment of the owner of the project, **Arkonsult** prepared all conceptual designs (Architectural, Structural and MEP Drawings) which includes the main educational building, Administration, and all required facilities along with the estimated cost in addition of Construction Program accompanied with Cash Flow Plan.

**AL JAZEERA INSTITUTE  
OF  
SCIENCE & TECHNOLOGY**



**Plans**



**Perspective**

**KURDISTAN UNIVERSITY  
of SCIENCE & TECHNOLOGY**

Concept Design - Option A

Kirkuk - Kurdistan - Iraq

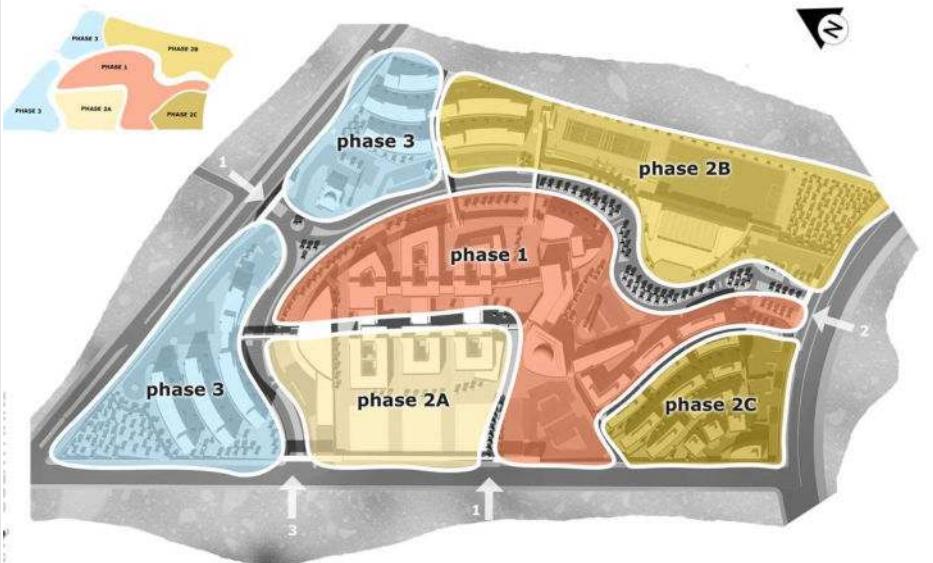


An integrated and educational compound in Kirkuk – Kurdistan – Iraq - Proposed site is located in the outskirts of Sulaimania City, north of the highway towards Kirkuk City. The project includes in addition of academic buildings and labs, an Administration, Faculty offices, Educational Staff offices, Medical Clinic, Public facilities (Food Court, Exhibition Areas), Indoor Sports Area, Library, Auditorium, 2 Lecture Halls, Faculty Apartments and Students Accommodation.

**Arkonsult** submitted package of conceptual design as response to the request of the owner of the project,

The said concept included two options of massive perspective of site plan along with architectural plans, elevation and sections of the main buildings, structural and electromechanical systems and cost estimation of the project.

## Concept Design - Option A



<b>LEGEND:</b>			
1 MANAGEMENT	8 FACULTY APARTMENT	15 COMPOUND MEP SERVICE BLOCK	A FORMAL UNIVERSITY ENTRANCE
2 LIBRARY & ADMINISTRATION	9 GUEST HOUSE	16 WORSHIP PLACE	B STUDENTS & RESIDENTIAL
3 AUDITORIUM & LECTURE HALLS	10 PRESIDENT HOUSE	17 STAFF ADMINISTRATION ACCOMMODATION	C ENTRANCE
4 COLLEGES	11 PRESIDENT HOUSE	18 STADIUM / SPORT AREA	D PEDESTRIAN / SHORT CUT
5 MAIN GATHERING ZONE	12 MALE STUDENTS ACCOMMODATION	19 ADMISSION & ADMINISTRATION	TO ACADEMIC ZONE
6 CANTEEN & EXHIBITION	13 FEMALE STUDENTS ACCOMMODATION	20 PANTRY	SERVICE & EMERGENCY
7 INDOOR SPORTS GYMS & FACILITIES	14 MAIN STORAGE BLOCK	21 FUTURE EXPANSION	



ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D



**KURDISTAN UNIVERSITY**  
Of SCIENCE & TECHNOLOGY

Concept Design - Option 2

Kirkuk - Kurdistan - Iraq



## Concept Design - Option B



- 1** ADMINISTRATION AND REGISTRATION      **7** FUTURE EXTENSION SPACE  
**2** AUDITORIUM & EXHIBITION HALL      **8** COLLEGE OF BUSINESS  
**3** LECTURE HALLS      **9** LIBRARY  
**4** DEPARTMENT OF GENERAL SCIENCE      **10** PUBLIC FACILITIES (FOOD COURT, BANK & SHOPS)  
**5** COLLEGE OF ENGINEERING      **11** INDOOR SPORT ACTIVITIES & HEALTH CLINIC  
**6** COLLEGE OF ENGINEERING TECHNOLOGY      **12** STUDENTS ACCOMMODATION / MALE  
**13** STUDENTS ACCOMMODATION / FEMALE      **19** SOCCER FIELD  
**14** FACULTY ACCOMMODATION      **20** PARKING AREA  
**15** ADMINISTRATION HOUSING      **21** EMERGENCY ENTRANCE  
**16** PRESIDENT, VIC PRESIDENT AND GUEST HOUSES      **22** PLAY GROUND  
**17** PROJECT UTILITY BUILDING      **18** MAIN ENTRANCE GATE





## HIGHER COLLEGE OF TECH (HCT)

Concept Design

Abu Dhabi - UAE



Option 1

Option 2

It is outstanding Institute in Abu Dhabi, UAE, , Planned to follow expansion demand of technology Based on local competition invitation, **Arkonsult** prepared and submitted full Conceptual Designs package of Two Full Options included Architectural design (Site Plan, Plans, Sections, Elevations and Perspective with various view angles) and the Proposed Systems of Structural and MEP works, in addition of the Estimated Cost of the Two Options.



## BRITISH UNIVERSITY

Concept Design  
Aqaba Development Corporation  
Aqaba – Jordan

The Proposed Campos include the following Buildings, amendments & and facilities:

- Administration Building
  - Colleges
  - School (KG to high school)
  - Student's Accommodation Buildings (Male)
  - Student's Accommodation Buildings (Female)
  - Staff's Accommodation Buildings
  - Deans & Executives Villas
  - Sports Center
  - General Hospital 150-200 Beds
  - Space Park (Science Center)
  - Innovation Buildings
  - Hotel + Mall
  - Residential Complex (Villas)
- Arkonsult** Submitted Full Conceptual Design Package for international competition included site plan, proposals of all buildings perspectives and plans along with proposed built up areas and initial cost estimation accordingly

## Care and Early Learning Proposal (Nursery & Kindergarten)

Concept Design

United Arab Emirates University

Al Ain - UAE

## Borouge New Training Center

Concept Proposal

Borouge

Ruwais – U.A.E



Nursery for UAEU staff's children – to accommodate 300 children in Stage 1 & 400 children in Stage 2, Ages From 1 Year to 5 Years  
UAEU Invited Arkonsult to participate in local competition to submit conceptual design Proposal of the Nursery, accordingly  
Arkonsult carried out & presented full Package of Conceptual Design of the two stages included (Plans, Sections, Elevations and Perspectives in various views), along with Cost Estimation and Construction Programs in addition of Cash Flow plan for construction works