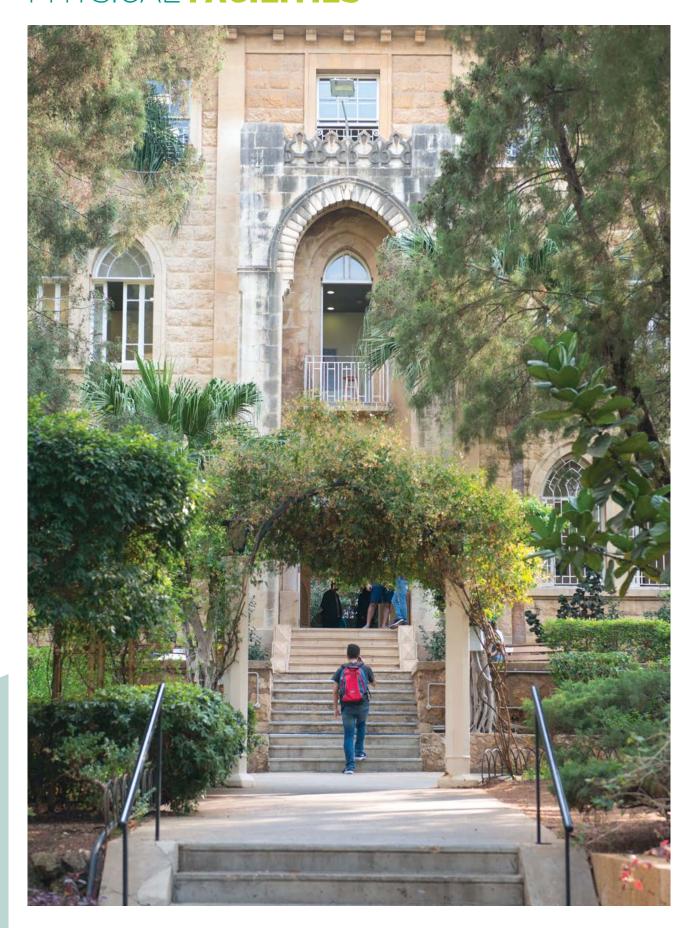
PHYSICAL FACILITIES



UNIVERSITY BUILDINGS & GROUNDS

BEIRUT CAMPUS







Sage Hall – 1933 Area: 2,169 m²

- Classrooms Computer Labs
 - Laboratories

• Classrooms

 Offices Studios

Computer Labs

· Conference Room • Writing Center

Offices



Area: 953 m²





Nicol Hall - 1937 Area: 5.252 m²



- Auditorium
- Central Administration
- Conference Rooms
- Lounges
- Innovation Center



Irwin Hall - 1947 Area: 4,071 m²

- Offices



University Services – 1955 Area: 1,918 m²



Orme-Gray - 1965 Area: 4,372 m²

Computer Labs

• IT Data Center

Offices

• Early Childhood

Center

Offices

- Fabrication Lab
- Lounge
- Memorabilia
- Offices
- Studios



Gymnasium - 1970 Area: 1,766 m²

- Basketball Court (Indoor)
- · Dancing Room
- Swimming Pool (Indoor)
- Tennis Courts (Outdoor)
- Offices



• Lecture Halls Classrooms

- Exhibition Room
- Gulbenkian Amphitheater
- Computer Labs
- Studios
- Offices





Wadad Sabbagh **Khoury Student** Center - 1998

Area: 4,310 m²

- Cafeteria
- Cyber Café
- Classrooms
- Lecture Hall
- Conference Room
- · Fitness Center
- Lounges
- · Study Room
- Recreational Room
- Offices



Adnan Kassar School of Business - 2005 Area: 5,872 m²



Library

· Conference Rooms

Simulation Labs

- University Archive
- Center for Innovative Learning



Riyad Nassar Library - 2005 Area: 8,178 m²



Underground **Parking - 2005**

Area: 11,226 m²



Gezairi Building - 2012 Area: 18,932 m²

Major Renovation in progress to house the School of Architecture and Design and provide common facilities.

The project is expected to be completed in year 2020.

LAU provides a perfect study, safe and friendly place for an active learning environment. It is a vibrant mix of old sandstone buildings and modern architecture.



LEASED SPACES

BEIRUT CAMPUS



Atiyah Building

The University leases spaces of 1,488 square meters in a number of privately-held properties to provide office spaces and additional academic spaces.



Off-Campus Store

The University leases spaces of 727 square meters to accommodate the University storage needs.



Hitti Building

Level 1 of Hitti Building, with an area of 475 square meters, has been leased by LAU.

This space provides additional academic and administrative offices and is housing the Fashion Design program on a temporary basis.



Residence Halls

The Beirut campus is home to three separate residence halls, Santona, Berkeley Hotel, and Capital Suites.

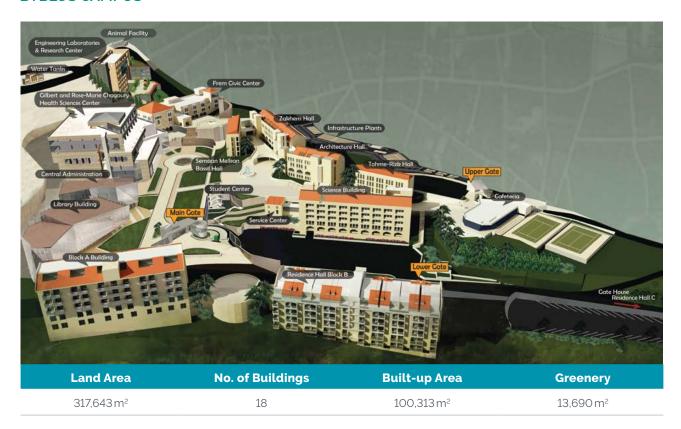
Santona is located off campus within a 7-minute walking distance.

Berkeley Hotel is located within a 10-minute walking distance.

Capital Suites, for men, is just off campus and offers apartment-style living.

UNIVERSITY BUILDINGS & GROUNDS

BYBLOS CAMPUS







Science Building - 1991

Area: 5,365 m²



This building is the first EDGE certified offices' building in Lebanon. This results in reductions of 41% in energy, 29% in water, and 34% in materials embodied energy compared to local benchmarks.

Cafeteria

Offices

Tohme-Rizk Hall - 1991 Area: 948 m²



Cafeteria Area: 603 m²

- Central Administration
- Classrooms
- Conference Rooms
- Studios



Architecture Hall - 1996 Area: 2,881 m²



Offices

Classrooms

Labs

Offices

Studios

Lounge

Dormitories

 Lounge Study Areas



Semaan Melkan Bassil Hall - 1996 Area: 1,213 m²



Residene Hall C - 1996 Area: 901 m²





Zakhem Hall - 1996 Area: 4,418 m²



- Auditorium
- Classrooms
- Exhibition Hall
- Labs
- Lecture Hall
- Offices
- Studios



Center - 1997

Area: 1,227 m²

· Fitness Center

- Lounge
- · Recreational Area
- Multi-purpose Activities Room
- Offices



Block A Building - 1998 Area: 8,589 m²



- · Conference Room
- Labs
- Lounge
- Offices



Residence Hall B - 1998 Area: 11,424 m²

Service

Center - 2001

Area: 478 m²



Post Office

· Dancing Room Dormitories

Writing Center

Library Stacks

Music Room

Parking

Archive



 Academic Advising Center



Frem Civic Center - 2010

Area: 5,171 m²



- Classrooms
- · Conference Rooms
- Institutes
- Labs
- Lecture Halls
- Lounges
- Multi-purpose Room
- Offices



This facility will undergo needed renovation to accommodate the Animal Facility to support the University Research purposes.

Animal Facility - 2010 Area: 176 m²



Gate House - 2011

Area: 128 m²

Auditorium

Offices

Lounge

Memorabilia Gallery

- Classrooms
- Conference Rooms
- · Cyber Café
- Computer Labs
- Laboratories
- Library
- Lounges
- Offices



Gilbert & Rose-Marie **Chagoury Health** Sciences Center - 2013 Area: 15,625 m²

Underground **Parking - 2014** Area: 18,950 m²



- · Research Labs
- Instructional Labs
- Offices

Parking

- Lounges
- Outdoor Cluster Seating

Laboratories & Research Center - 2017

Area: 9,704 m²

Engineering

A dynamic center of teaching and collaborative research, featuring high-end facilities strategically surrounded by the University's engineering departments. Engineering Laboratories and Research Center features high quality materials and systems to provide a safe and sustainable environment to LAU community.

Unique to this building are the designed social spaces that promote collaboration between students.



Library Building - 2018

The design of nowadays featured libraries is evolving and LAU's new Byblos Library Building is no exception to this phenomenon.

Construction commenced in April 2016 and has been substantially completed in June 2018. The new Library provides technology-rich, creative and inspirational spaces to meet current and future needs. The new 6,540 m² cutting-edge Byblos Library Building, with a landscape area of 2,614 m², will be the new focus of the LAU Byblos campus. Whereas in the past collections formed the nucleus of a library, today it is people who are at its heart.

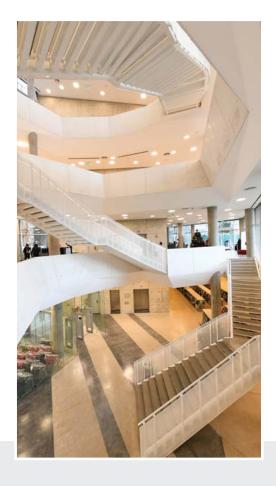
This state-of-the-art facility houses different forms of modern day advancements that have a profound effect on the functions and design of the library. A five storey building with interior spaces that are designed to reinforce user's fluidity and communication, through transparency and openness of the study areas, the many possibilities of chance encounters and exchanges along the open staircase, the lounge corners, as well as the visual connection to the surrounding landscape.

The creation of such a green, high performance and environmentally friendly building provides a safe, inclusive, healthy and pleasant cultural environment for the LAU community while saving energy, water and materials.



The Library and Central Administration Project is targeting: LEED-GOLD Certification







Byblos Library Physical Spaces include:

- Open space reading area accommodating 186 print periodicals
- Archive space
- Compact Shelving (Fixed and Mobile) for 180,000 information records
- Open-space study areas with inspiring furniture and integrated power outlets
- · Open Space Computer tables (124 computers)

- Open space private study tables
- Group study rooms with integrated IT equipment and different occupancies
- Multi-purpose rooms with mobile furniture open to the Sunken garden
- Conference room with latest video-conferencing equipment
- Intimate lounges
- EIC room with the latest technology and IT equipment (14 computers)



OTHER LOCATIONS WITHIN LEBANON



Executive Center at Beirut Central District

Spread across 600 square meters in the heart of Beirut, the Executive Center includes fully equipped classrooms, conference room, Institute of Islamic Art & Architecture, lounge and offices to best serve its goal for offering executive learning.



LAU Louis Cardahi Foundation

The Cardahi Family bequeathed the foundation in 2013 to the Lebanese American University, as part of an agreement to enhance its visibility and its cultural role within the city. It houses historical artifacts, artwork, documentary films and a small library to promote respect for Byblos' architectural, cultural and historical legacy.



LAU Medical Center - Rizk Hospital

LAU's expansion into the field of medical education was buttressed by the acquisition of a majority shareholder position in the LAUMC-RH with a land area of 7,900 square meters and total built-up area of 39,901 square meters. It serves as the primary teaching hospital for LAU's Schools of Medicine, Nursing and Pharmacy.

Selected members of the Facilities Management team were dispatched since January 2016 to assist LAUMC-RH in their planned renovation projects, the planning process for future upgrades and expansions, the launching of the design and execution of the Strategic Plan and finally in the Master Planning effort. The urgently needed renovations that were identified in the Strategic Plan are well underway to foster a leading academic medical facility.

Inauguration of 3 new floors to accommodate more patients and create an atmosphere of well-being and comfort to all of them.

INTERNATIONAL LOCATIONS



LAU New York Headquarters and Academic Center

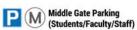
The state-of-the-art facility in New York, inaugurated in September 2013, houses LAU's New York Academic Center. A built-up area of 2,400 square meters accommodates fully equipped instructional resources, library, student lounge and offices. The opening of the New York center exemplified the university's pioneering commitment to global education and cross- cultural understanding.

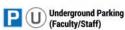
PARKING SPACES INVENTORY 2017–2018

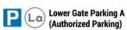
BEIRUT CAMPUS

The Beirut campus houses several parking lots, including a multi-storey underground car park below the Adnan Kassar School of Business and Riyad Nassar Buildings, as well as an external parking for students, and two parking spaces for LAU shuttles and authorized personnel.











| Location | Code on Map | No. of Vehicles |
|--|-------------|-----------------|
| Middle Gate Parking (Students/Faculty/Staff) | М | 82 |
| Underground Parking (Faculty/Staff) | U | 260 |
| Lower Gate Parking A (Authorized Parking) | L-a | 14 |
| Lower Gate Parking B (LAU Vehicles/Authorized Parking) | L-b | 18 |
| Total No. of Vehicles | | 374 |





BYBLOS CAMPUS



| Location | Code on Map | No. of Vehicles |
|--|----------------|--------------------|
| Lower Parking | А | 180 |
| Lower Parking | В | 180 |
| Science Parking | С | 94 |
| Residence Hall B Outdoor Parking | D | 13 |
| Residence Hall B Underground Parking (Faculty/Staff) | Е | 79 |
| Block A Underground Parking (Faculty/Staff) | F | 18 |
| Byblos Underground Parking (Students/Faculty/Staff) | G | 568 |
| Upper Gate (Faculty/Staff) | 1 | 55 |
| Parking in front of Engineering Laboratories & Research Center (Faculty/Staff) | J | 44 |
| Parking behind Frem Civic Center (Faculty/Staff) | К | 160 |
| Total No. of Vehicles | | 1,391 |





Parking A



Parking C



Parking L



Parking B



Parking Arial View



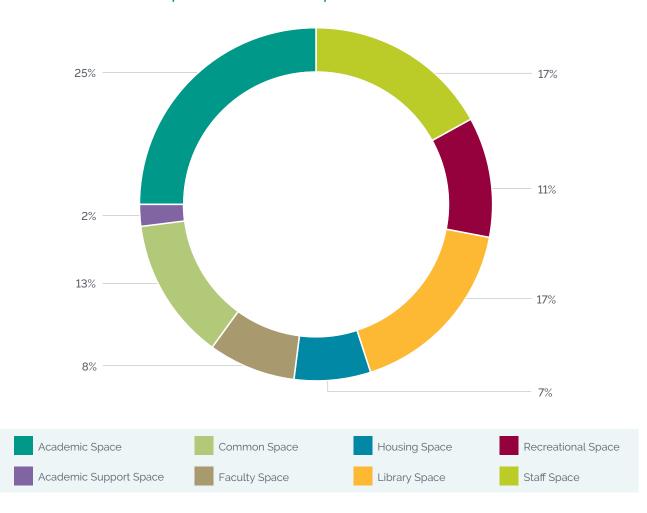
Parking K

SPACE UTILIZATION PER CAMPUS 2017–2018

BEIRUT CAMPUS

| Functional Space | Area (m²) |
|--|-----------|
| Academic Space (Classrooms, Lecture Halls, Computer Labs, Laboratories, etc.) | 7,006.51 |
| Academic Support Space (Early Childhood Center, Innovation Center, Writing Center, etc.) | 568.72 |
| Common Space (Conference Rooms, Meeting Rooms, Lounges, etc.) | 3,569.77 |
| Faculty Space (Offices) | 2,305.87 |
| Housing Space (Dormitories and related amenities) | 1,918.1 |
| Library Space (Study Areas, Group Study Rooms, Stacks, Computer Area, etc.) | 4,619.8 |
| Recreational Space (Music Room, Recreational Rooms, Cafeteria, Cyber Café, etc.) | 2,908.9 |
| Staff Space (Offices) | 4,599.58 |

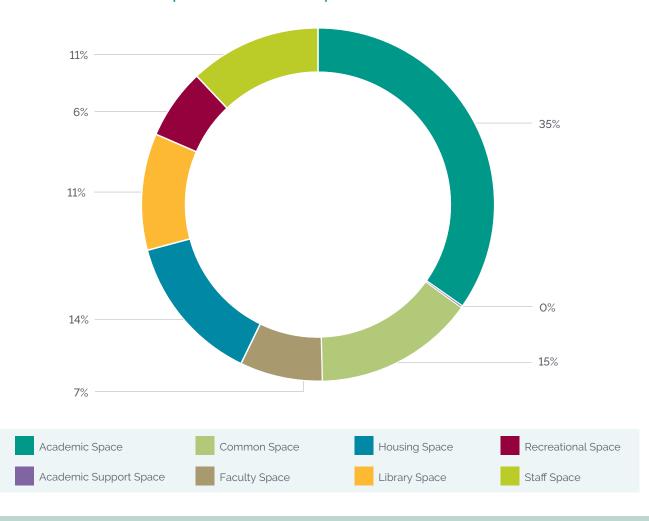
Space Utilization Per Campus (Area m²/Function)



BYBLOS CAMPUS

| Functional Space | Area (m²) |
|--|-----------|
| Academic Space (Classrooms, Lecture Halls, Computer Labs, Laboratories, etc.) | 12,647.49 |
| Academic Support Space (Early Childhood Center, Innovation Center, Writing Center, etc.) | 65.3 |
| Common Space (Conference Rooms, Meeting Rooms, Lounges, etc.) | 5,340.9 |
| Faculty Space (Offices) | 2,759.97 |
| Housing Space (Dormitories and related amenities) | 4,973.5 |
| Library Space (Study Areas, Group Study Rooms, Stacks, Computer Area, etc.) | 3,888.5 |
| Recreational Space (Music Room, Recreational Rooms, Cafeteria, Cyber cafe, Basketball Court, Tennis Court, etc.) | 2,346.3 |
| Staff Space (Offices) | 4,383.7 |

Space Utilization Per Campus (Area m²/Function)



RENOVATION PROJECTS 2017–2018

BEIRUT CAMPUS



Upper Gate Guard House

The scope of work was to refurbish the Upper Gate Guard House by revamping the doors and windows of the two old rooms, creating a kitchenette, re-tiling and painting the area, adding a shelter at both porches, installing A/C units and a new electrical panel-board with all related Civil, MEP and NTM works.



Nicol Hall Ground Floor Classrooms Renovation

The scope of work was to refurbish the four classrooms in Nicol Hall Building and ensure all instructional spaces are in the best conditions. It involved Civil, Mechanical, Electrical and NTM works.



Sage Hall L2 Toilets Refurbishment

The scope of work was to refurbish the old public toilets in Sage Hall's level 2 with all related Civil and MEP works.



Irwin Hall L7 Innovation Center

The scope of work was to refurbish 3 classrooms and the main circulation area in Irwin Hall level 7 to house the new Innovation Center. It involved Civil, MEP and NTM works in addition to furnishing. The Center will host educational and training activities in the field of innovation.



Nicol Hall L2 Toilets

The scope of work included refurbishing the old public toilets in Nicol Hall's level 2 with all related civil and MEP works.



Irwin Hall Canopy

The scope of work included supplying and installing glass canopy for the main entrance of Irwin Hall Building, providing shelter from rain.



Riyad Nassar Library L8 Partitioning

The scope of work included remodeling the existing space by installing partitions and creating two new office spaces in Riyad Nassar Library's level 8.



University Services L2 IT Security Offices Remodeling

The scope of work included remodeling the existing space to house a new conference room and administrative offices 2501 and 2502 for the IT Department.

RENOVATION PROJECTS 2017–2018

BYBLOS CAMPUS



Gymnasium Expansion

The scope of work was to refurbish the area between the Byblos underground parking and the Student Center into a gym extension; it involved Civil, MEP and NTM works.



Underground Tunnel

The scope of work included refurbishing the existing warehouse and opening the tunnel connecting the Underground Parking to Block A Building. A new underground access has been created to connect Block A to the campus and secure a safe passage for LAU community. The project also included creating an extra office in the Supply Office in Block A L3 and refurbishment of the IT store in Block A L2. It involved Civil, Electrical and NTM works.



Simulation Center Control Room

The scope of work included relocating the IT multimedia room and transforming the space into a control room for the Simulation Center. A B-Line Simulation Management System was installed in the Control Room of the Chagoury Health Sciences Center, Level 5.



Block A 303 and 701 Renovation

The scope of work was to refurbish the old store room 303 to provide a Janitor room and remodel room 701 into an Office for three persons. It involved Civil, Electrical and NTM works.



Underground Parking External Stairs

In order to provide covered access to students in rainy days, the scope of work was to cover the existing staircase by installing aluminum louvers and composite panels (Alucobond) to the elevations, in addition to sandwich panels with aluminum louvers roofing. It involved Civil and MEP works.



Food Innovation Lab

The project's scope was to refurbish part of the vacated space of the Civil Engineering Lab in Science Building level 1 into a new Food Processing Lab. It involved major Civil, MEP and NTM works. This new campus facility was provided to meet the academic requirements of the Nutrition Program of the University.



Traffic Driving Simulator

The scope of work was to refurbish room 2210 and provide a new window/opening with its adjacent classroom and install the related electrical outlets. The work was needed to accommodate the driving simulator, requiring a control room.



Post Office

The scope of work was to refurbish the existing offices in the Library extension level 1 that has been vacated by the Protection office. It included covering the metal walls, refurbishing the existing toilet, replacing the flooring and adding a connecting sliding window between offices, in addition to all related Civil, MEP and NTM works.

UPDATE ON CAPITAL PROJECTS 2017-2018

BEIRUT CAMPUS





Gezairi Building Renovation

The project has been awarded for execution in September 2017, construction work in progress.













Gulbenkian Amphitheater Renovation

The Gulbenkian Amphitheater, located in the Safadi Fine Arts Building, is gearing up for a major renovation project necessary to upgrade and maintain this storied space as one of Lebanon's premier performance venues. The tendering phase has been completed and project awarded for execution.







Irwin Hall Auditorium Renovation

This project includes the renovation of the premises, upgrading the building's systems, renovating the storied Irwin Hall Auditorium and optimizing the utilization of space in order to better accommodate the ever-growing needs of the university's administration. A preliminary design has been prepared and design work is in progress.

UPDATE ON CAPITAL PROJECTS 2017-2018

BYBLOS CAMPUS



Library & Central Administration Buildings

The construction of the Central Administration Building is in its final phase to be completed in year 2019. The Library Building has been completed in year 2018.

The project, with a built-up area of 8,386m2, targets USGBC's LEED Gold certification. Various Sustainability features are implemented in this project, resulting in 35% water use reduction and 34.8% savings on energy expenditure.

Facilities Management are committed to developing sustainable buildings that reduce resource consumption, while protecting the environment and providing a high indoor environmental quality.

& Atmosphere Measures/Materials &

The Library and Central Administration Project is targeting LEED-GOLD Certification: Sustainable Site/Water Efficiency/Energy Resources/Indoor Air Quality.

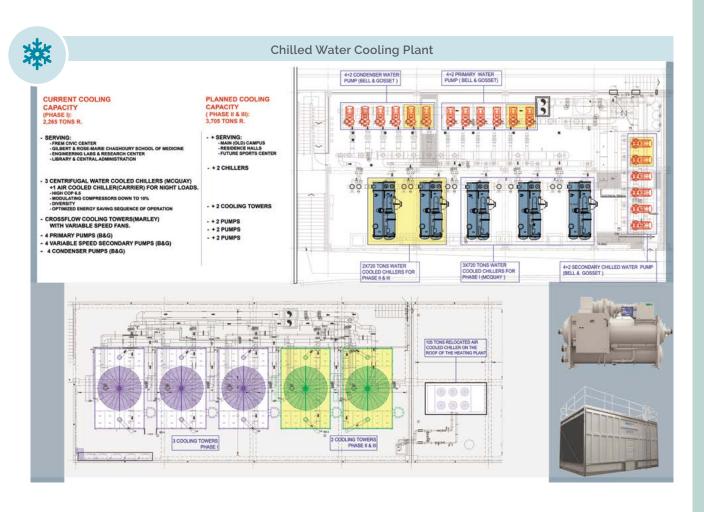


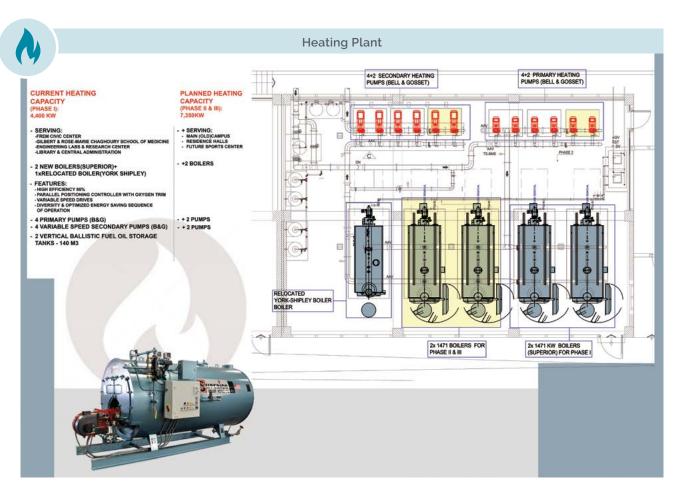


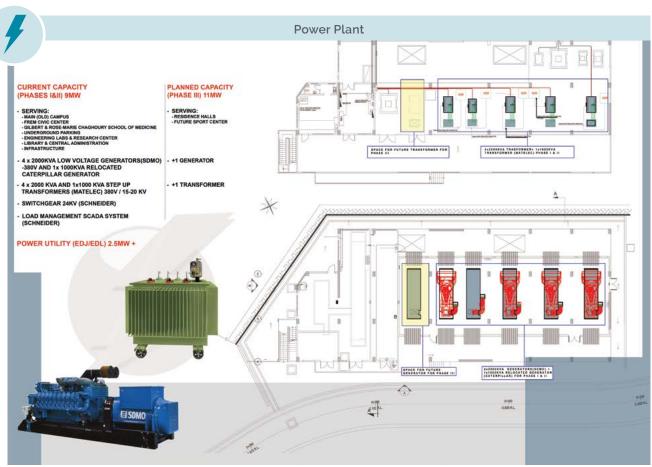


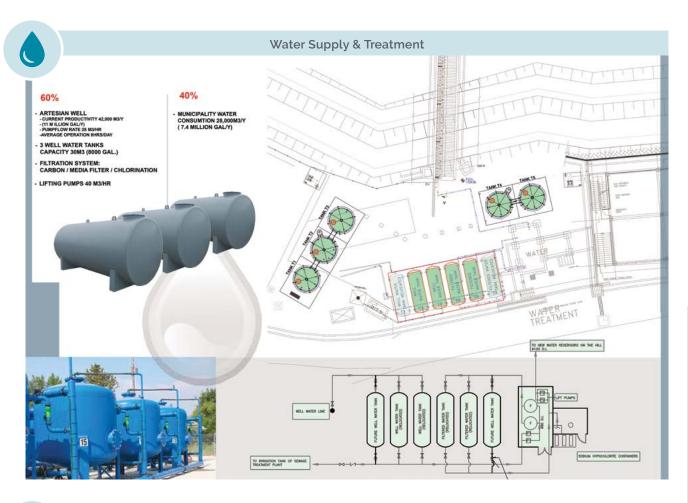
Byblos Infrastructure Utilities

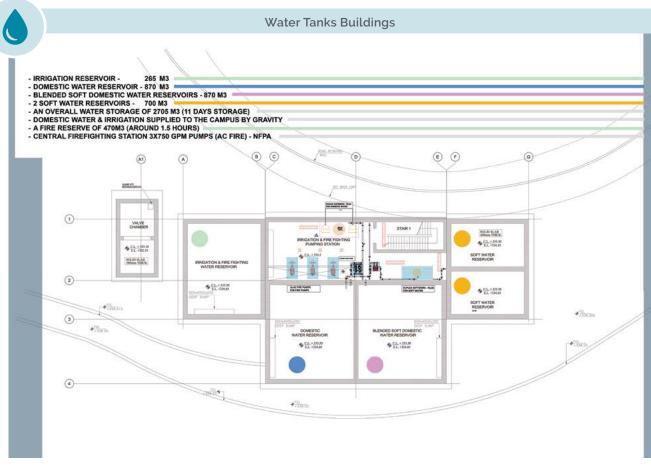
The project has been completed in year 2018 and consists of infrastructure plants and networks with their associated earthworks, civil and finishing works along with a 400 m2 maintenance quarter. The utilities supplied to the Campus are chilled water from a 2,300 TR central cooling plant (extendable to 3,700 TR), heating form a 4,400 kW central heating plant (extendable to 7,350 kW), power from a 9 MW central power plant (extendable to 11 MW), irrigation, domestic and soft water as well as fire fighting from a 3,175 M3 central elevated water reservoir all through distribution networks of 2.5 Km long, including a 0.5 Km underground tunnel.













Waste Water Treatment Plant

EXISTING CAPACITY 210 M3/ DAY

- WILL CATER FOR ALL CAMPUS IRRIGATION NEEDS
- 3 WASTE WATER TREATMENT PLANTS (EMCO)
- WATER TREATMENT ROOM FOR EACH PLANT
- IRRIGATION COLLECTION TANK -CAPACITY 50 M3
- IRRIGATION LIFTING PUMPS 9M3/HR

FUTURE EXPANSION TO 420 M3/ DAY

+ 3 WASTE WATER TREATMENT PLANTS















Infrastructure Utilities





OPEN CHANNEL

UNDERGROUND TUNNEL

Medium Voltage & Load Management - Low Current - Fiber Optic - Low Voltage Emergency

Firefighting - Potable Water - Irrigation - Tanks Supply Effluent

Heating - Chilled Water









