



LIBRARY AND CENTRAL ADMINISTRATION

BYBLOS CAMPUS



Facilities Management's mission is to plan, build, operate and maintain a sustainable, efficient, safe and advanced physical environment in which students, faculty and staff work to achieve excellence in teaching, learning, research and civic engagement.

We strive to be a role model in planning, constructing, preserving and enhancing the university's physical assets in support of LAU's overall mission, vision and goals.

Facilities Management's goals are

- // Plan, design and build efficient, modern, sustainable and environmentally friendly university facilities in compliance with local and international building codes and standards.
- // Provide a safe, clean, and aesthetically pleasing interior and exterior environment conducive to various educational activities by faculty, staff, and students.
- // Operate, maintain and renovate existing facilities and infrastructure to ensure state-of-the-art, safe and efficient facilities.
- // Develop and implement facilities management initiatives in support of the university's strategic plans and goals.

FACILITIES MANAGEMENT

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Lebanese American University
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*Libraries must do
what they always
have done*

*"Be the mechanism
for making knowledge
available in communities
and organizations"*

DAVID W. LEWIS

GREEN ASPECTS

SUSTAINABLE SITE

- // Construction activity pollution prevention
- // Rain water harvesting
- // Preferred parking spaces for carpools, low emitting and fuel efficient vehicles
- // Area dedicated for bicycle racks

WATER EFFICIENCY

(35 % water saving from baseline)

- // Low flow fixtures
- // Treated rain water & condensate drain for WCs
- // Irrigation from treated waste water
- // Adaptive plants and climate responsive irrigation
- // Measurement and Metering

ENERGY & ATMOSPHERE

(34.7 % energy cost saving from baseline)

- // Highly efficient building envelope
- // Architectural shading/natural daylight
- // High Performance cooling and heating from campus central plants
- // High efficiency lighting
- // Lighting and air-conditioning controls through daylight and occupancy sensors
- // Demand controlled ventilation based on occupancy
- // Heat Recovery
- // Renewable energy systems for power and hot water generation
- // Curtain management system with solar tracking
- // Measurement and Metering

MATERIALS & RESOURCES

- // Storage & collection of recyclables (LAU Recycle For A Cause)
- // Construction waste management
- // Certified (renewable) wood
- // Regional materials

INDOOR AIR QUALITY

- // Using low emitting materials
- // Controlling indoor air quality during construction
- // Controlling lighting, thermal comfort and CO2 levels



TARGETING
LEED-GOLD

DESIGN PHASE

The Byblos Library Building is the latest focus of the LAU Byblos campus. Atelier Pagnamenta Torriani (Atelier PT) researched the history, local culture and typology of this ancient city and weaved the findings in the new design. Byblos is at the root of the Latin word Bibliotheca, or library, and is where the Phoenician alphabet originated.

A pattern based on the ancient Phoenician alphabet highlights Byblos's cultural heritage. Atelier PT incorporated passive design features derived from the local typology into the design and targeted LEED Gold for the project.



CONSTRUCTION PHASE

Construction commenced in April 2016 and was completed in 2 phases, the Library Building in end of June 2018 and the Central Administration Building in end of February 2019, providing a technology-rich, creative and inspirational spaces. With these state of the art buildings, LAU continues to distinguish itself as an innovative and pioneering institution.

FACTS & FIGURES

// Lead Consultant	Atelier Pagnamenta Torriani APT
// Local Consultant	Rafik El Khoury & Partners
// Engineer	D.G.Jones & Partners (ME) Ltd.
// Technical Monitoring Office	Bureau VERITAS
// Commissioning Authority	AJB
// LEED Consultant	Rafik El Khoury & Partners
// Contractor	NATCON
// Total Project Cost	\$21,697,000
// Total Area	8,485 m ²
// Total Project Duration	1,045 days

LIBRARY BUILDING

TOTAL AREA OF 6,541 m²

LEVEL	AREA (m ²)
Level 1	
University Archive	1,806
Level 2	
Cyber Café, EIC Room, Lounge, Group Study Rooms, Quiet Study Zone, Multi-Purpose Rooms, Classroom, Helpdesk, Stacks, Indoor and Outdoor Seating Areas	1,932
Level 3	
Offices, Group Study Rooms, Quiet Study Zone, Lobby, Helpdesk, Computer Study Area, Seating Areas	849
Level 4	
Offices, Study Rooms, Lobby, Quiet Study Zone, Helpdesk, Seating Areas	967
Level 5	
Offices, Conference Room, Group Study Rooms, Lobby, Quiet Study Zone, Staff Lounge, Seating Areas	987

CENTRAL ADMINISTRATION

TOTAL AREA OF 1,944 m²

LEVEL	AREA (m ²)
Level 1	
University Archive	75
Level 2	
Gallery	620
Level 3	
Lobby, Gallery	416
Level 4	
Conference Rooms, Offices	415
Level 5	
Offices	419

LANDSCAPED AREA

Library Building	2,614
Central Administration Building	500
TOTAL	3,114 m ²

