

PERSONAL  
INFORMATION

**Mohammad Suleiman Albdour**  
**LinkedIn, Facebook, YouTube**

JOB APPLIED FOR  
POSITION  
PREFERRED JOB  
STUDIES APPLIED FOR  
WORK EXPERIENCE

Architectural workplaces  
Architect / Researcher/Site Engineer/ Quantity surveyors.  
**Full-time instructor** /Building modelling/ Energy modelling architect / Building energy standards / Energy/ Environment / Life-cycle Cost Analysis (LCCA) .

2020 till Now

**Assistant Professor:** At Al-Hussein Bin Talal university

2015 till 2019

**Researcher:** At Szentágothai research centre, University of Pécs (ranks as High Research Output), Faculty of Engineering and Information Technology, Department of Architectural Engineering, European Union-Hungary.  
Employer: Tempus public foundation.

Outcomes: Conducting research, learning, and teaching classes in the field of energy and sustainability. For further information [click here](#).

**Full-time lecturer:** Faculty of Engineering, Jordan.

2014 till 2015

Employer: Al-Hussein Bin Talal university.

Outcomes: Taught the following courses: Green Building, Building Construction, Engineering Economy, Quantity surveying, Computer Applications in Building Engineering, Engineering Drawings, Integrative Project Planning and Design as well as Graduation Projects.

Sep 2014 - Sep 2015

**Trainer** of five building information modelling courses.

2013 – 2015

Architect and quantity surveyor at Sabeel Al Handasah Consultant Engineers CE Co

EDUCATION AND  
TRAINING

**2015-2019** **Ph.D. Degree**, Architectural Engineering, environment and energy efficiency, university of Pécs. Dissertation title (briefly): Enhancing outdoor thermal performance, fully funded by Tempus Public Foundation, (scholarship), European union – Hungary.

Outcomes: Determining how designers could modify climatic conditions in urban spaces for thermal comfort. for further findings, [click here](#)

**2011-2013** **Master of Science**, Architectural Engineering, environmental design and energy efficiency. Cairo university, architectural engineering department, Egypt. (101-150 QS WUR by subject ranking).

## PERSONAL SKILLS

Mother tongue

ARABIC

Other language

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C1

Communication skills

Job-related skills

- Good communication skills gained through my experience as a trainer of building information modelling and building energy modelling.
- ASHRAE High-Performance Building Design Professional (2019)
- Autodesk building performance analysis certified.
- Life-cycle Cost Analysis (LCCA).
- Lighting passport certified (Philips Lighting).
- ASHRAE 189.1-2011 Standard for the Design of High-Performance Green Buildings
- **2-3D Modelling:** Revit (working drawings, details)
- **Energy Simulation Modelling:** DOE-2, IDA ICE, EnergyPlus (whole building energy simulation).
- STANDARD 90.1, 90.2, APPENDIX G (Building Baseline Scenario)
- ASHRAE 50% ADVANCED ENERGY DESIGN GUIDE.
- Ventilation for IAQ (ANSI/ASHRAE Standard 62.1-2016)
- **Computational Fluid Dynamics:** ENVI-met, Autodesk CFD, (Thesis).
- **Weather Data and Climate Analyst**
- **International Computer Drivers Licence .**

**Publications** **Elsevier Platform, Scopus Author (ID: 57210999889) Profile and publications** (<https://www.mendeley.com/authors/57210999889/>)

1-Albdour, M. S., Shalby, M., Salah, A. A., & Alhomaidat, F. (2022). Evaluating and enhancing the energy efficiency of representative residential buildings by applying national and international standards ,using BIM. *Energies*, 15(20), 7763. <https://doi.org/10.3390/en15207763>

2-Albdour, M. S., Baranyai, B., & Shalby, M. M. (2022). Overview of whole-building energy engines for investigating energy-related systems. *Pollack Periodica*. <https://doi.org/10.1556/606.2022.00606>

3-Albdour, M. S., & Baranyai, B. (2019). An overview of microclimate tools for predicting the thermal comfort, meteorological parameters and design strategies in outdoor spaces. *Pollack Periodica*, 14(2), 109–118. <https://doi.org/10.1556/606.2019.14.2.10>

4-Albdour, M. S., & Baranyai, B. (2019). Impact of street canyon geometry on outdoor thermal comfort and weather parameters in pécs. *Pollack Periodica*, 14(3), 177–187. <https://doi.org/10.1556/606.2019.14.3.17>

5-Albdour, M. S., & Baranyai, B. (2019). Water body effect on microclimate in Summertime: A case study from pécs. *Pollack Periodica*, 14(3), 131–140. <https://doi.org/10.1556/606.2019.14.3.13>

6-Albdour, M. S., & Baranyai, B. (2019). Numerical evaluation of outdoor thermal comfort and weather parameters in summertime at Széchenyi Square. *Pollack Periodica*, 14(2), 131–142. <https://doi.org/10.1556/606.2019.14.2.12>

7-(Submitted) A Method to Create and Validate Numerical Representative Energy Model in Disadvantaged Regions.

**Memberships** Jordan Engineers Association: member in the architectural section since 2012.  
Jordan Green Building Council since 2013.  
Jordan Construction Contractors Association.

**Fund** 1- Redesign and cost estimation of Petra College of Tourism and Archaeology (office spaces transformed into residential rooms) (400,000 Euros)  
2- Distance learning center (1.2 Million Euros). Al-Hussein Bin Talal University (proposed design and cost estimation)  
3-On-going Research fund (High-Performance existing buildings Guide for water and energy in southern Jordan) (30 000 Euros)

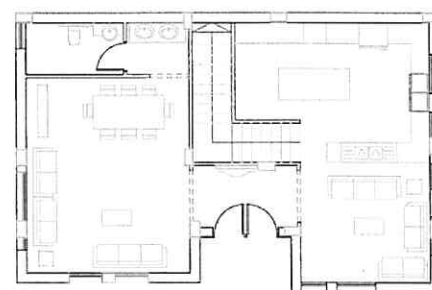
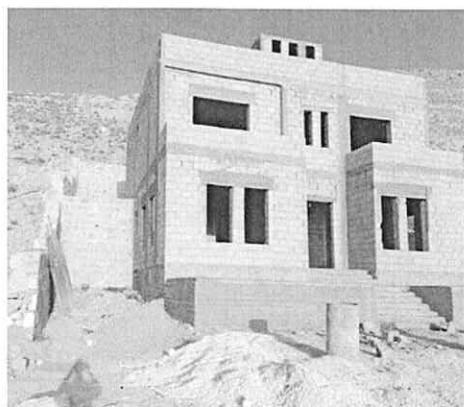
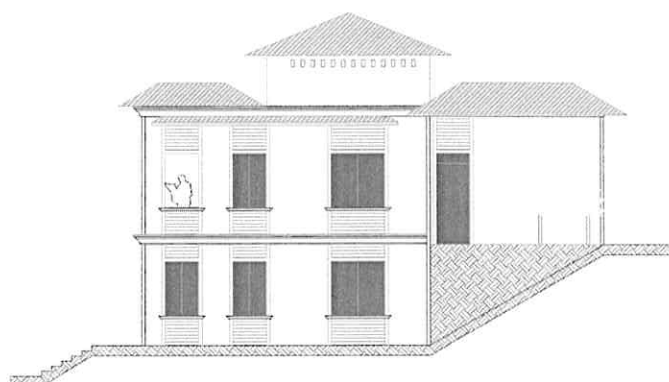
**References** **Dr. Bálint BARANYAI**, assistant professor, architect. University of Pécs, Faculty of Engineering and Information Technology, Institute of Architecture, Department of Building Structures and Energy Design, H-7624 Pécs | Boszorkány street 2, Mobile: +36 30 55 22 989 | P: +36 72 503 650/23641, E: baranyaibalint@gmail.com | balint.baranyai@mik.pte.hu.

**Prof. Ayman Hassan Ahmed**, Professor of Architecture and Environmental control, Faculty of Engineering, Cairo University, 0021006670260, arch.ayman@yahoo.co.uk

**Prof. Tiago Miranda** , Professor, Civil Engineering Department, College of Engineering, University of Minho, Minho, Portugal  
E: [tmiranda@civil.uminho.pt](mailto:tmiranda@civil.uminho.pt)

## On-going design and Supervised Projects

### 1-Neoclassic Villa in Petra



**[Click to see the video](#)**



Video  
2022-01-12.mp4

## 2-High Performance energy & water villa (fully designed, modelled by me)

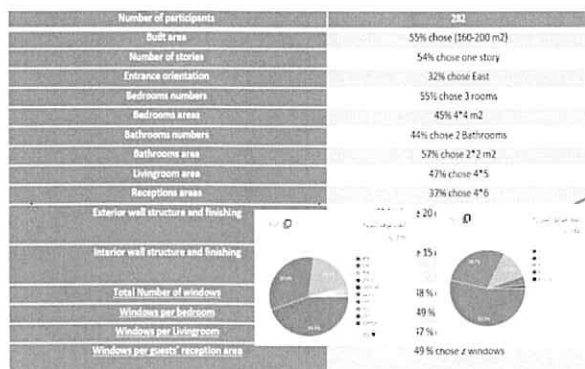
Why is this one-story house being so representative and unique?



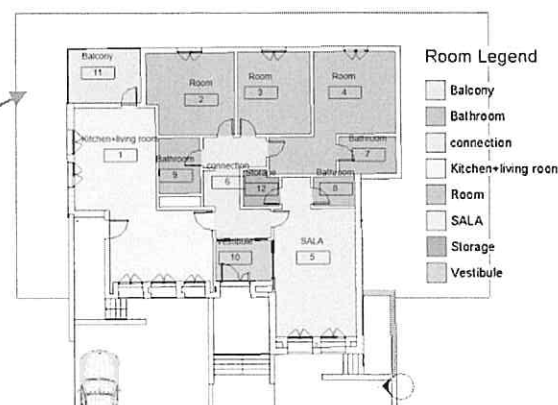
### Identity Shobak -Jordan

Design comes from most residents' thoughts

#### Collected Data



#### Residents' requirements



### Energy and environment

A-Building orientation and envelope system (**ASHRAE advanced energy design guide**)

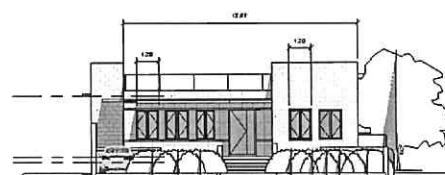
#### Orientation



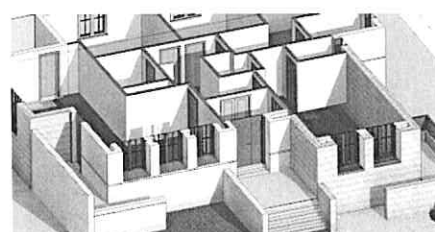
Envelope system (wall, roof, floor, and glazing thermal properties, and sizing)



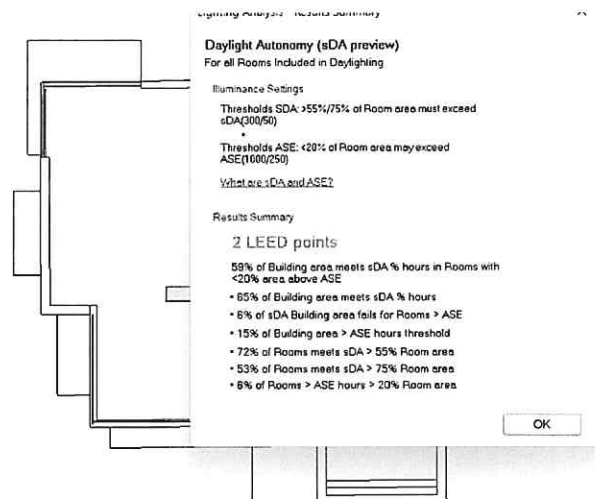
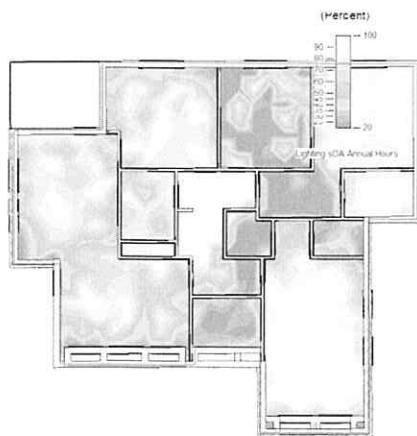
#### Sun control & solar studies



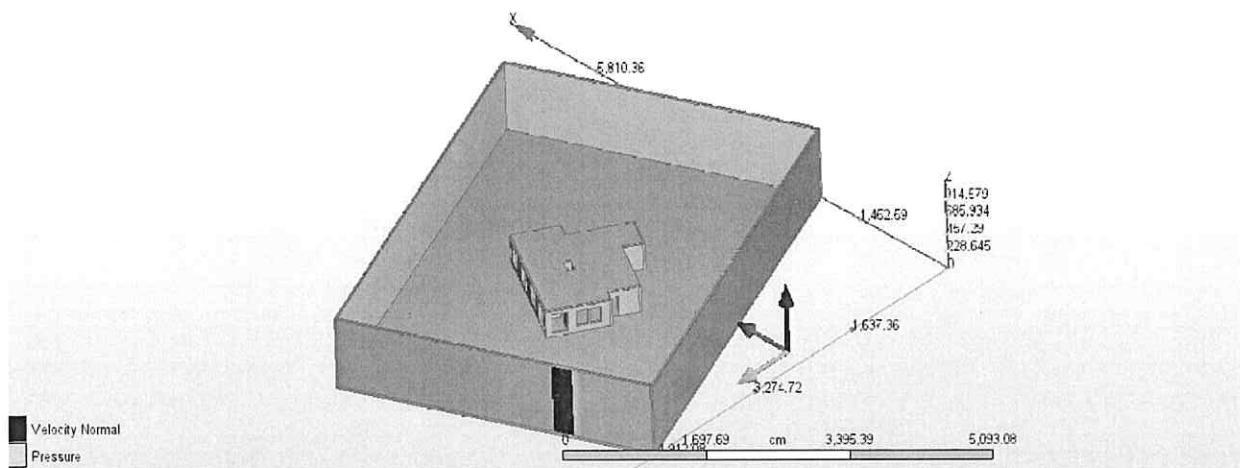
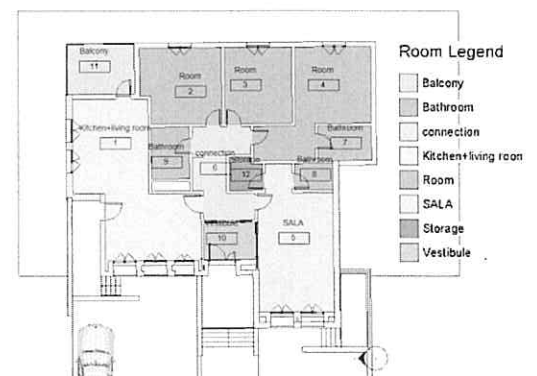
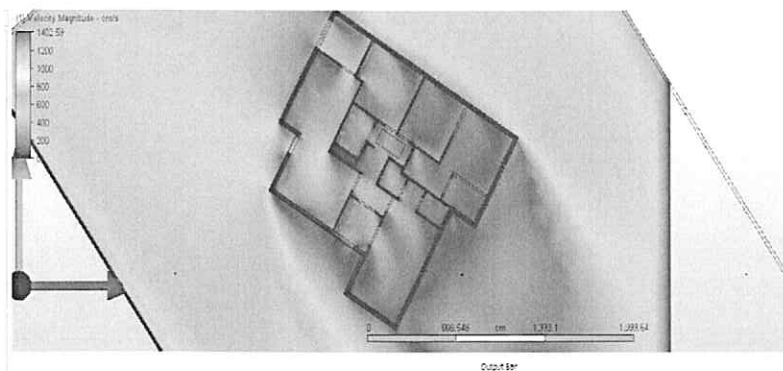
#### Vestibule



## B-Daylight Simulation (**LEED lighting Simulation requirements**)

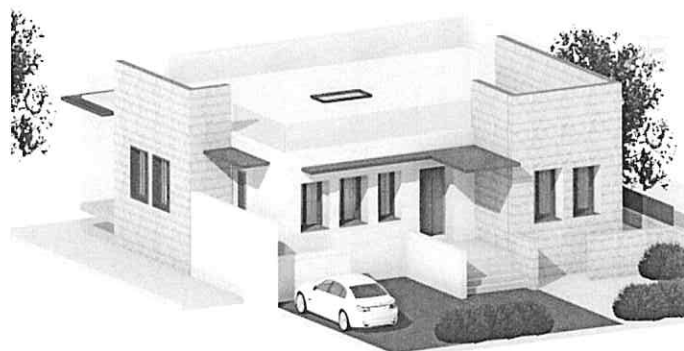
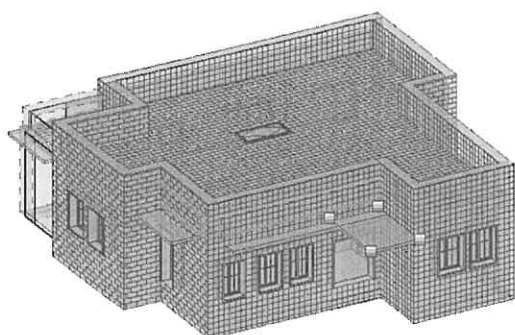


## C-Natural ventilation (CFD) for IAQ and thermal comfort (**ANSI/ASHRAE Standards 62.1**)

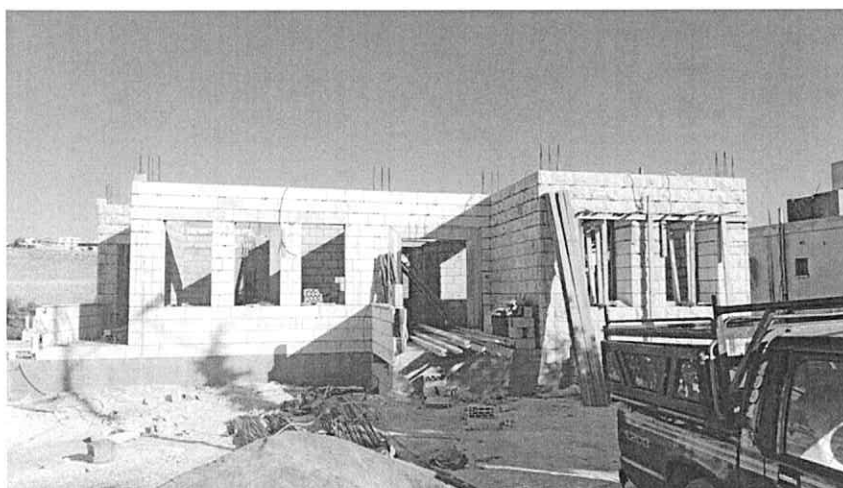




**Whole building energy analysis comparison via Energyplus engine (STANDARD 90.2 low-rise building)**



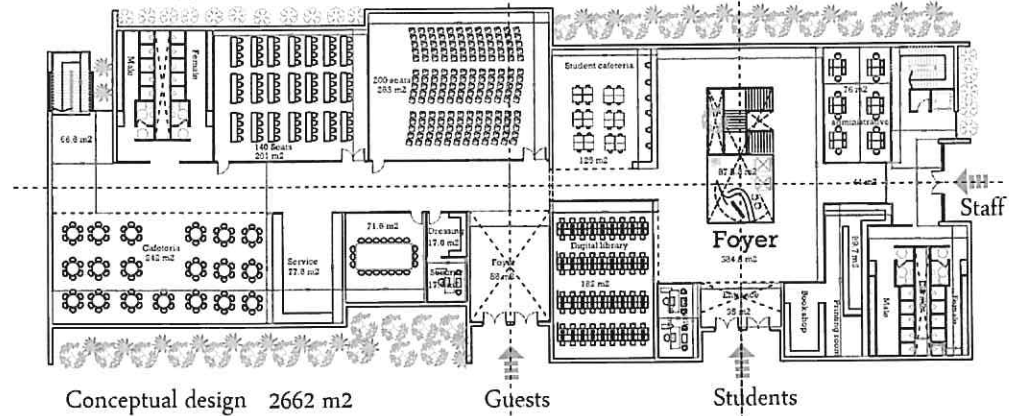
**Energy analytical model**



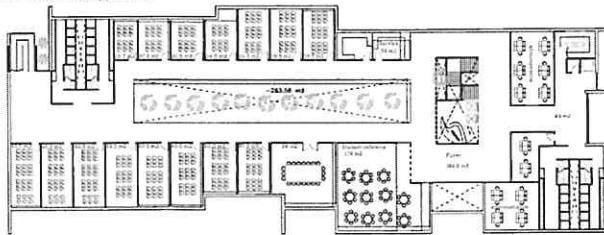
**Proposed house (Saved around 50% energy consumption with 10% additional cost in comparison to commonly built house)**

## Proposed design and cost estimation (Centre of distance learning approved in 2022)

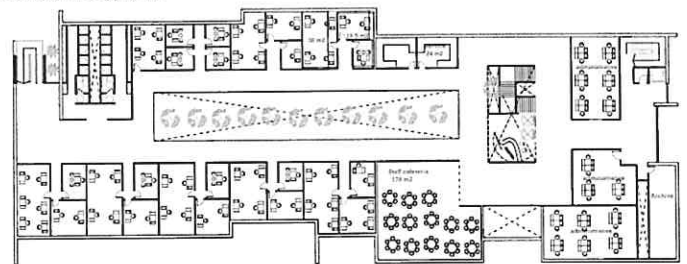
Total floor area=9960 m<sup>2</sup>



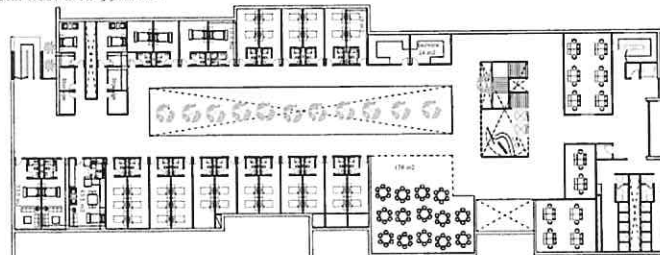
Total floor area=9960 m<sup>2</sup>



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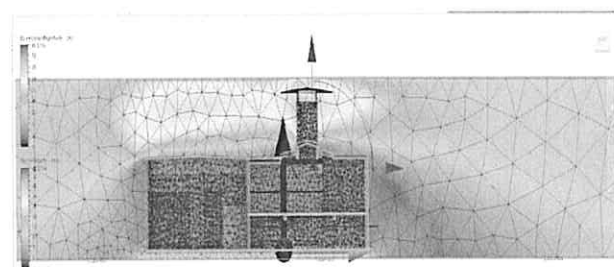
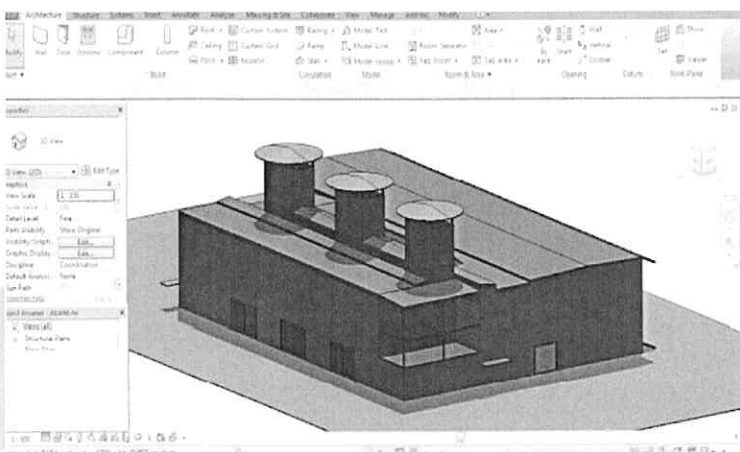


## Under construction (Foundation works)

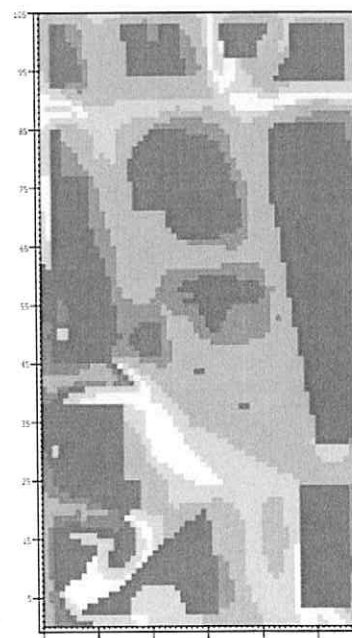
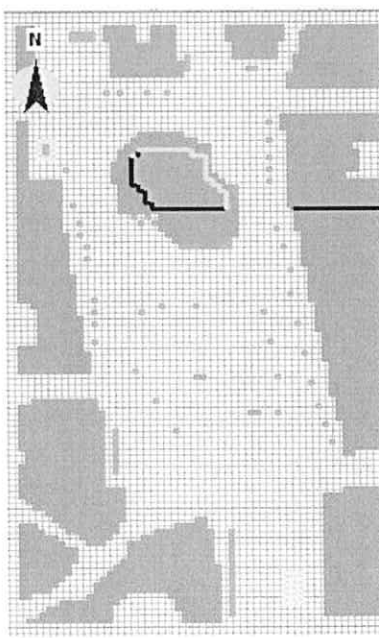




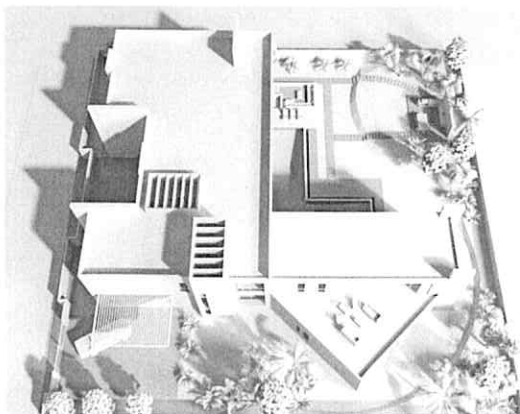
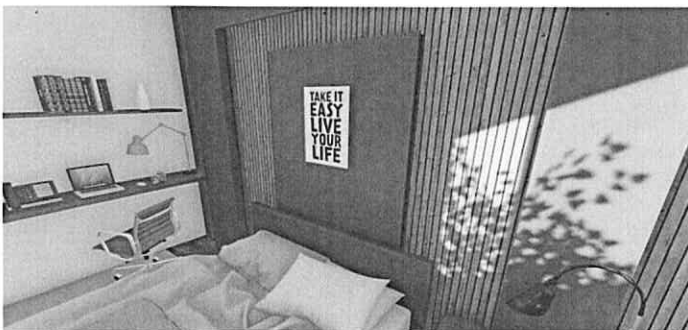
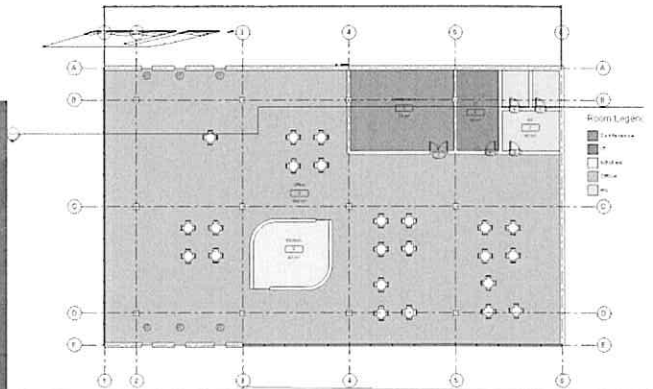
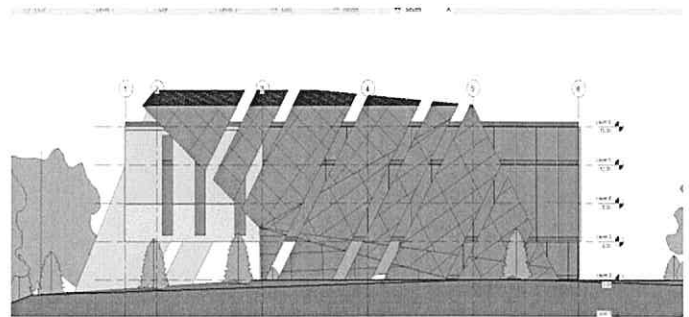
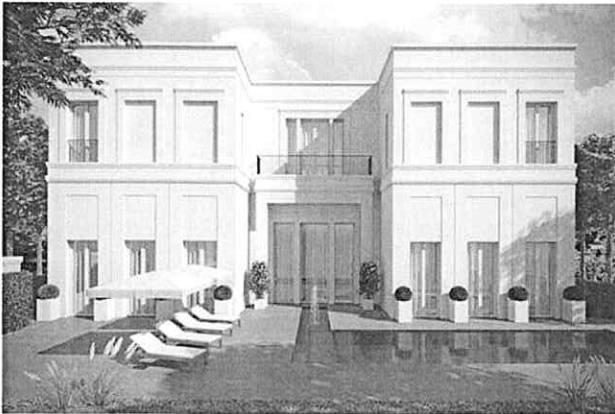
## CFD Natural ventilation in industrial Building Rati Kft



## Outdoor microclimate modelling & simulation for pedestrians' comfort (Thermal comfort, Temperature, Ventilation, Humidity, etc)



## Other designs and models via Revit, AutoCAD, Lumion



## Students work

Name of the Project	College of Engineering (existing Building)
Type	BIM Modelling
Duration	1 Semester
Course	Revit & AutoCAD Course
Tutor	<u>Mohammad Albdour</u>

### Existing Building (Reality)

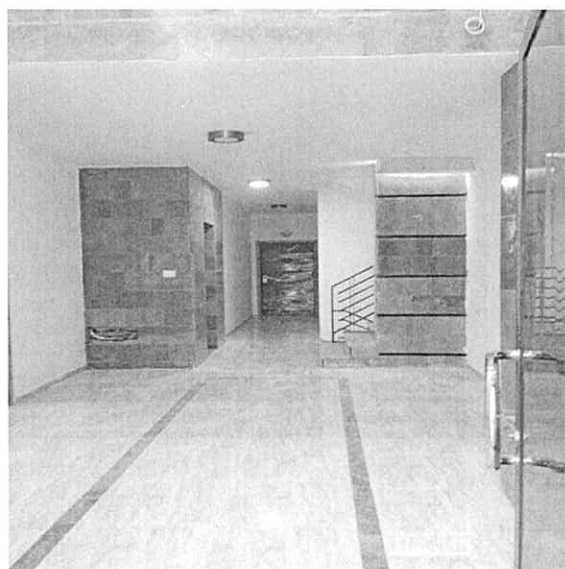
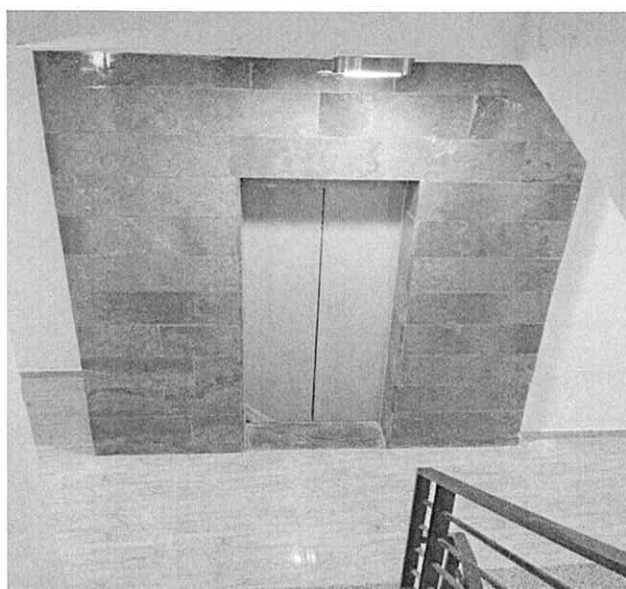


### Modelled Building



## Residential apartments implementation (more than 8 Projects were executed under my supervision)

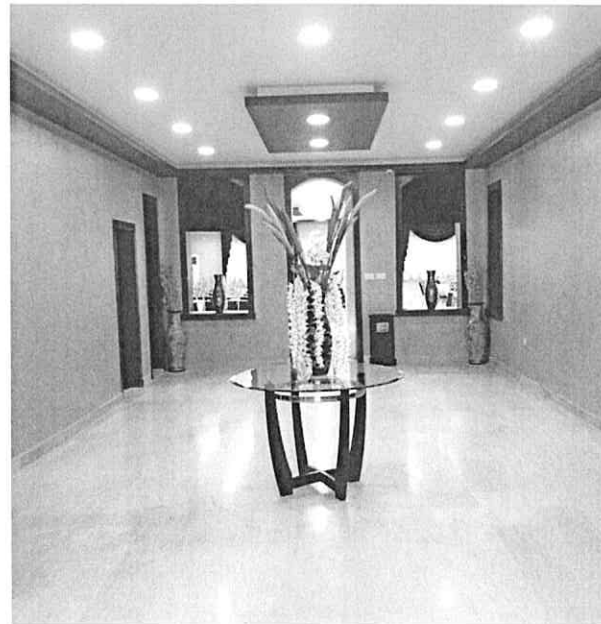
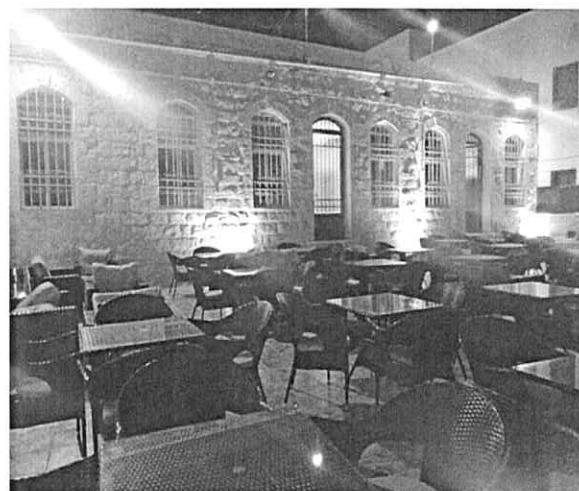
Name of the Project	Masaken
Type	Luxurious apartments
Area	3700 M2
Budget	2 million USDs
Duration	8 Months (2014)
Implemented by	Albdour for construction and contacting
Mohammad ALbdour	Site engineer
Designed by	Podium architectural office
Location	<a href="#">Click Here</a>



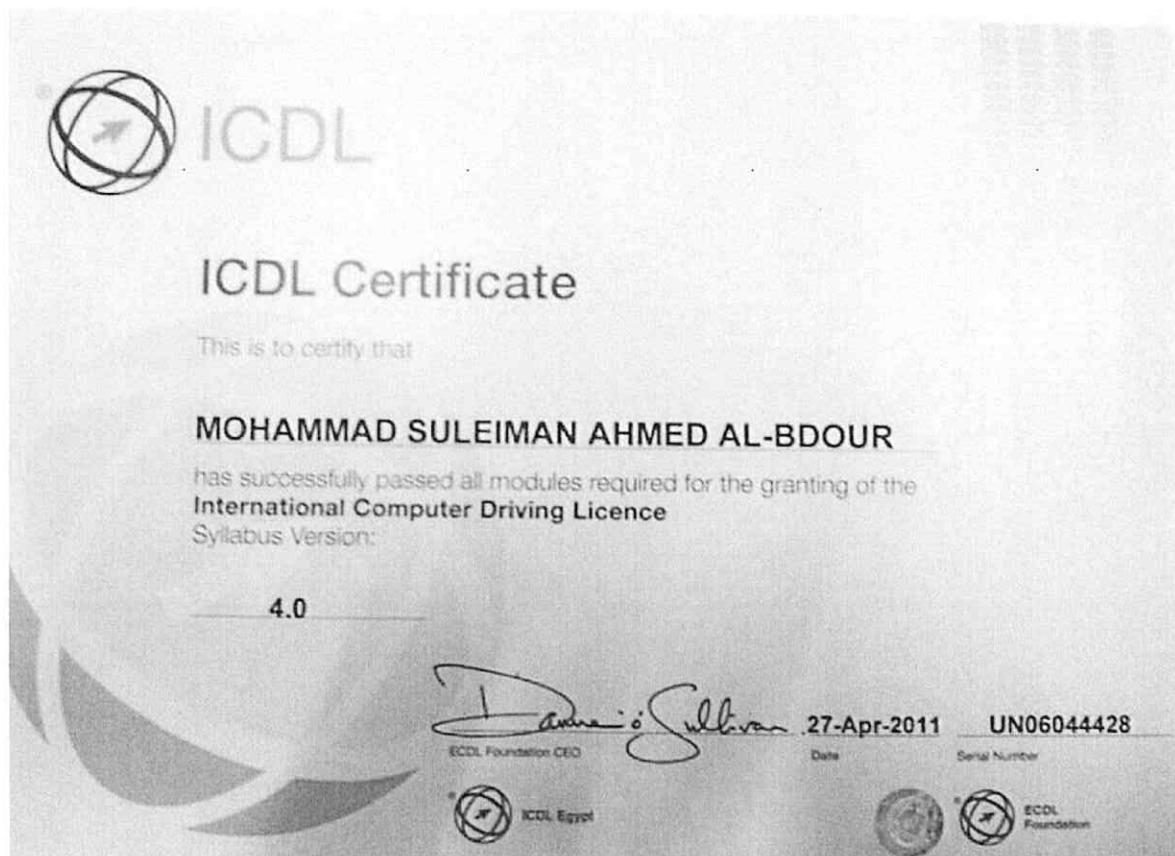
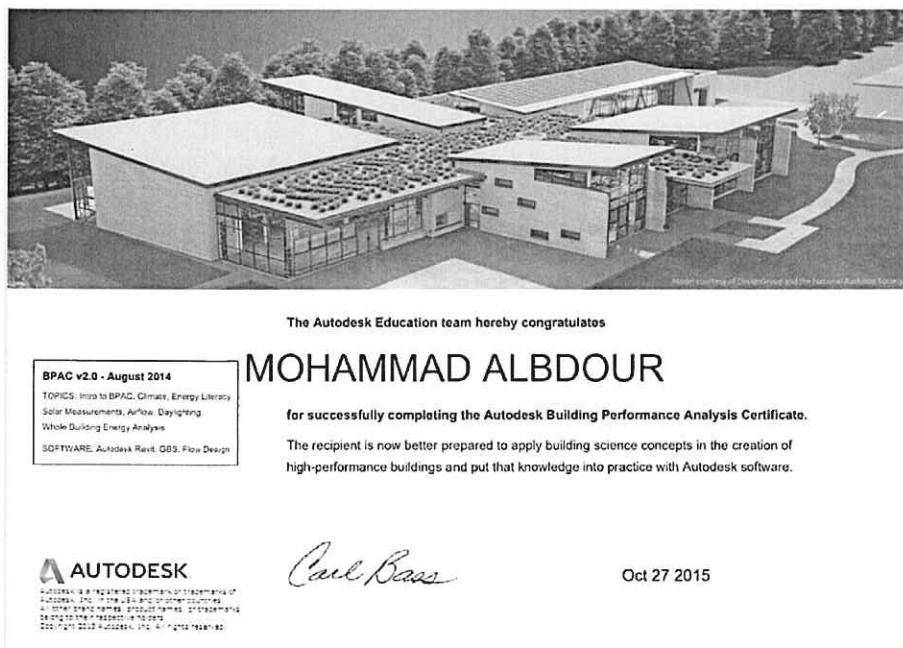


### New Building for Minister of youth in Jabal Amman (Public Building)

Name of the Project	Ministry of Youth Jabal Amman Centre
Type	Hospitality
Area	1300 M2
Budget	300 Thousand USDs
Duration	7 Months (2012)
Mohammad Albdour	Site Engineer
Implemented by	Albdour for construction and contacting
Location	<a href="#">Click Here</a>



## Certifications





# DEGREE CERTIFICATE

The Rector and the Doctoral Committee of the University of Pécs, salute the Reader.  
In compliance with the time-honoured traditions of the University, whereby upon those who have demonstrated sufficient advancement in their studies the degree of Doctor of Philosophy shall be conferred and since

**Mohammad Suleiman Ahmad Albdour**

born in Zarqa, in the country of Jordan, on the 29<sup>th</sup> of October in the year of 1988 has proven his knowledge in examinations held in front of the committees established by the statutes of the University and has successfully defended his doctoral dissertation in public Architectural Engineering within Engineering and Technology, we have conferred upon him, on the date inscribed below,

the degree of

**Doctor of Philosophy**

cum laude

with all rights and privileges ordained by law and custom. This diploma stands in testimony thereof bearing the Great Seal of the University and the signatures of its Officers.

Given in Pécs, Hungary, on this 15<sup>th</sup> day of October Two Thousand and Nineteen.

  
 Prof. Dr. Ferenc Kilár  
 President of the Doctoral Committee


  
 Prof. Dr. Attila Miseta  
 Rector of the University of Pécs

m: 131/2019/PhD/a.

Subject: Letter of Award  
Date: 22/07/2016  
Reference number: 2016/Jordan/90954  
Registration number: SHE-935-1/2016



### Letter of Award

This letter is to certify that

Mohammad Suleiman Albdour

Date of birth:	1988.10.29
Citizenship:	Jordan
Host institution:	University of Pécs
Duration of studies:	8
Start date of scholarship status:	09/01/2016
Estimated end date of status:	7/31/2020

– based on the decision of the Tempus Public Foundation

### HAS BEEN AWARDED A STIPENDIUM HUNGARICUM SCHOLARSHIP

for Architectural Engineering on a PhD level. The grant is awarded in accordance with the educational work plan in effect between Hungary and Jordan.

Allowance provided for the scholarship holder by the Hungarian party:

- Exemption from the payment of tuition fee;
- HUF 140000 of monthly stipend for a full calendar year to be transferred to the scholarship holder by the higher education institution;
- Dormitory place or an additional contribution of HUF 30 000 to accommodation costs for a full calendar year;
- Health care services defined in point i), paragraph 16. § (1) of the 1997 Act LXXX, and the reimbursement of addition costs related to health services provided in a foreign language
- Student Identification Card

In accordance with the point c), paragraph 5. § (2) of the 28 /2007. (V.31.) IRM regulation, the scholarship holder is entitled to be exempt from the payment of any fees related to his/her admission to Hungary.

This certificate is issued upon the request of the above-named scholarship holder for residence permit purposes. The certificate is to be presented to the immigration authorities responsible for issuing residence permits.





Date :

الرقم : ٧٩ / ١٣ / ٣ / ١٩ / ١  
التاريخ : ٢٢ / ٤ / ١١

الدكتور محمد سليمان الدور المحترم  
قسم الهندسة المدنية / كلية الهندسة  
الرقم الوظيفي (1628)

نحوه طيّه و بعد ،،

تحية طيبة وبعد،،،  
أرجو العلم بأن مجلس العملاء قرر في جلسته رقم (2022/5) بتاريخ 2022/3/14م ، القرار رقم (2022/82) ، للموافقة على دعم مشروع البحث العلمي المقدم منك كباحث رئيس والباحثين المشاركين الدكتور فراس يونس اعيال الحصان والدكتور أحمد عبد الله صلاح والموسوم بـ :  
**High-performance Energy and W**

High-performance Energy and Water Design Guide for Residential Buildings in Southern Jordan".

المدة (24) شهر على أن تلتزم بأحكام نظام المشتريات الحكومية فيما يتعلق بالنود الخاصة بالاحزمة والادوات والمواد المستهلكة وان يكون الدعم المالي للمشروع من ميزانية البحث العلمي في الجامعة بمبلغ إجمالي قدره (25200) خمسة وعشرون ألف ومئتان دينار أردني.

متممًا لك التوفيق

رئيس الجامعة

الأستاذ الدكتور عطف الخرايشة

د. ا. ریس قسم

المدينة المنورة

الصفحة الثانية

FC-6/2/12

نسخة / أ. د. عبدكليم الهادي  
/ مدير وحدة التدقيق والرقابة الداخلية  
/ السيد مدير وحدة الشؤون المالية  
السيد مدير وحدة الموارد البشرية

Visit the University site on the web at: <http://www.ahu.edu.jo>  
Our e-mail address is : [president@ahu.edu.jo](mailto:president@ahu.edu.jo)

 <b>نقابة المهندسين الأردنيين</b> <b>JORDAN ENGINEERS ASSOCIATION (JEA)</b> 		
Membership No. :	208201	Membership Date: 15-07-2012
<b>Membership Certificate</b>		<b>شهادة عضوية</b>
Based on Article No. (41 / A) of Jordan Engineers Association Law No. (15) for the year 1972, and the amending laws ; the Association's Council, in its session held on 11/07/2012 , decided to accept the registration of:		استناداً لنص المادة ٤١ / أ من قانون نقابة المهندسين الأردنيين رقم ( ١٥ ) لسنة ١٩٧٢ والقوانين المعدلة له . قرر مجلس النقابة في اجتماعه المنعقد بتاريخ: 2012/07/11 قبول تسجيل
Eng. Mohammad .s.A .ALbdour		المهندس محمد سليمان احمد البدور
a graduate of: Misr University For Science Technology		خريج جامعة مصر للعلوم والتكنولوجيا
in EGYPT on 10/08/2011		في : جمهورية مصر العربية بتاريخ: 10/08/2011
as a member of the Association in the		عضواً في النقابة في :
Division :	ARCHITECTURE ENG	شعبة : الهندسة المعمارية
Section of :	ARCHITECTURE ENG	قسم : الهندسة المعمارية
Branch of :		فرع :
الأمين العام Secretary General		



Individual Membership Certificate

Mohammad Al-Bdoor

Member since February 2013

PROMOTE AND ADVOCATE FOR THE ADOPTION OF GREEN BUILDING PRACTICES IN ALL PHASES OF THE BUILDING PROCESS LEADING TOWARDS MAKING GREEN BUILDINGS A WIDE SPREAD REALITY IN JORDAN

M.T. Asim  
Chairman

A. Bdour  
Vice Chairman

AL-HUSSEIN BIN TALAL UNIVERSITY



جامعة الحسين بن طلال

Office of the President

مكتب الرئيس

Ref.: AHU.3.13266

Date: 31.5.2021

الرقم :

التاريخ :

To Whom It May Concern

This is to certify that Dr. Mohammad Suleiman Ahmad Albdour a full time lecturer at Al-Hussien Bin Talal University Faculty of Engineering / Department of civil Engineering since Mar 11<sup>th</sup>, 2020 to present.

This certificate has been issued upon his request.

Sincerely,

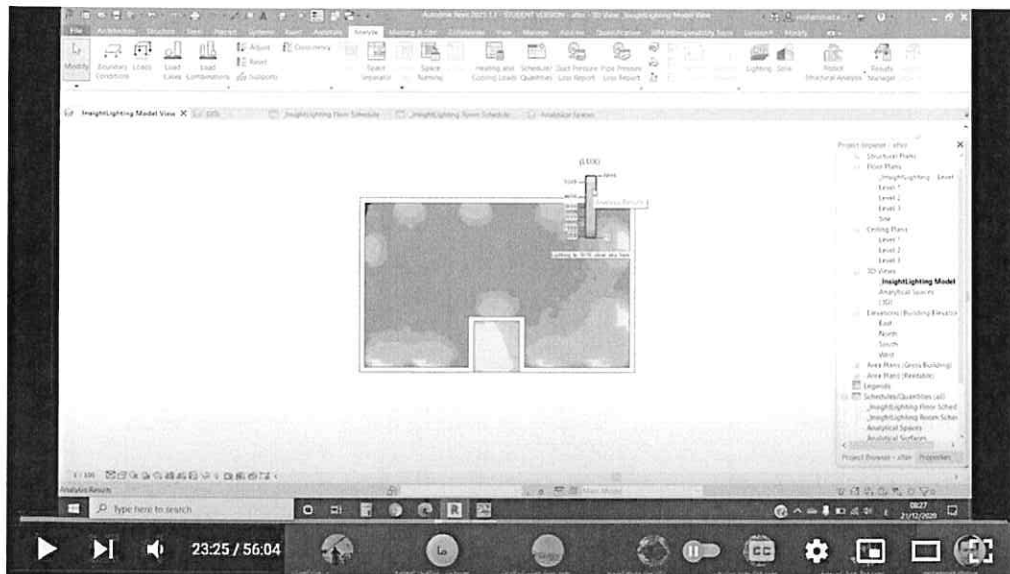
Vice President for Academic Affairs

Prof. Ahmad Abu Jrai

Visit the University Site on the web at: <http://www.ahu.edu.jo>  
Our e-mail address is : [president@ahu.edu.jo](mailto:president@ahu.edu.jo)

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Tel. 962-3-2179000, Fax. : 962-3-2179050, P.O.Box : (20) Ma'an - Jordan

**[Click here](#) to go to my YouTube channel**



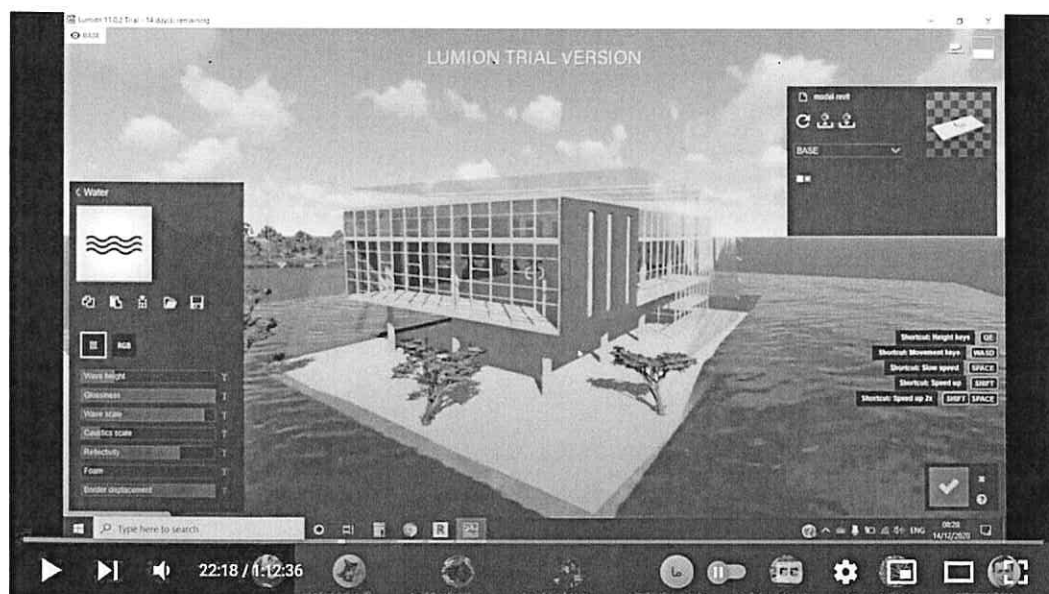
Lighting analysis Via Revit 2021 تحليل الاضاءة باستخدام برنامج الريفيت

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...more

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