



Evidence for THE Impact Rankings Questionnaire

University : Cyprus International University
Country : North Cyprus- Turkey Web

Address : <u>www.ciu.edu.tr</u>

[7]

[7.4.3]

100% Renewable Energy Pledge:

Cyprus International University recognizes that its activities significantly impact the environment locally and globally. Thus, the university has representatives in energy-related organizations like the TRNC- Joint Energy Working Group. It actively promotes 100% renewable energy through its meetings (See Appendix 1) and targets 100% renewable energy. Currently, the University generates around 30 % of its energy through renewable energy resources and plans to increase It to 100% after the biogas project is completed (See Appendix. 2) by the end of 2025. The Cyprus International University pledged to use 100% renewable energy sources within the Campus. Current renewable sources on campus are summarized below:





Cyprus International University Campus: PV Power Plant Project

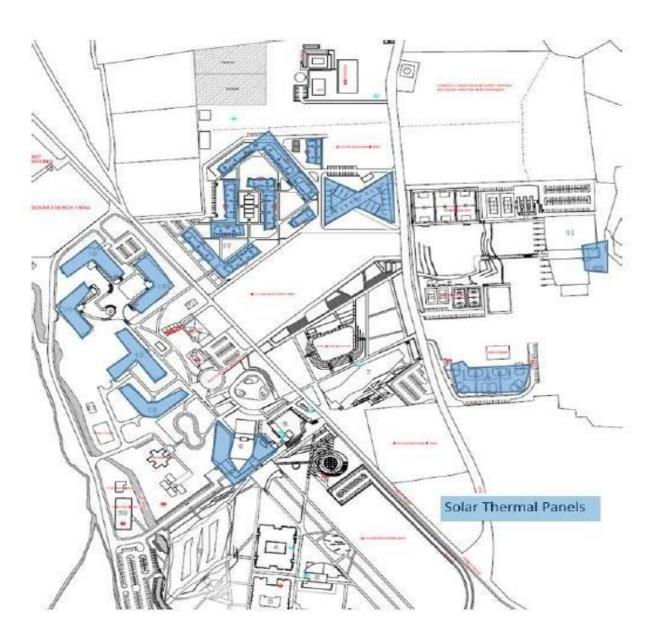






Solar Thermal Panels on Campus:

All the residential zones of the CIU campus use more than 300 solar thermal panels for hot water systems, and this energy is almost equal to 2.268 MWh in a year.







Appendix 2: Joint Energy Working Group (OEÇG)

Başkan raya Byakırdın birmin talehi torehre Bakananı onayı alarardı. samus veja akadomäryssäar toplantilms davet ettirbilirier.

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DAYASIK

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DITAK INDIG CALISMA SERSIRI YAPISI YETOPLANMASI

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+ SECCOOST Timedate

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NEKRETARYA YE GÖREVLERI

ODCO'me setorarya himastoni EETC Energi liphranden senzetio Sakardık mesfendes yözülülür. Seksetsiya ayağıda yar alaz gösceleri yerkez autirit:

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- OECO kereferen aypramasas ukip adilmat ve tyelera
- bilgleed rines. - OECU haltyeleri še ilgili yasquralarıs yapılısası,
- Istiere reporturere bassilierenk Zekenlige verwirenk.

OECG/SÉN GÓREV VE SORUMLULUKLARI

OEQG, Protokolda belirlesses findlyeder tarmenlametraya kadar, spağıda yer alan görevliri petica getitir.

- al Eseri protocolordo 3, maddacado balletian igliotigi sharian de Agili program ve projeterin belletomok
- tij Eastji przestodiado yer sian diger bedeflerki gropiklopicii maciac youlk boordinaryour registered.
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- e) Taraffar arasada elektrik akyapasan icaki, işirilmesi, selektilizewonu we olokorik iletimi almonda ornak projektrin tomiti ve gelipticitoesiae y inelik çalışmatar yapmak.
- fi Tärkiye Camburiyeti ile Kosey Kritra Türk Camburiyeti araneda denle goçiyi ile elektrik ser gibemliğini rağlarak ve enerji onsitility we ofconomik energi kaynaklarına alaşınır sağlamak makşadıyla estekonnekir sisten karalması için çakşısıslan
- g) Petrol ve doğulgaz altyopdarren texisi ve balcını, petrol Gordadain pazartanema alunlarendo projeterio befotenmeni ve geliptirilmosi.
- h) Kuzey Kalma Türk Cümhuriyeti'nde yeniletebilir esetji pogelerinis geliptimek.
- li Enzqi alaza ile ilgili semiserler, konferensiar ve toplantilares
- ji Kuzzy Kıbrıs Türk Cumfuriyeti'nde ererji ile ilgili kurususal yapılarınanın başta Ererji dairesi kurulmanı ve enerji piyana düzenkerrezsi için bir oluşusus gerçekleştirilmesi için yasa ussanın
- Ekseneni ve Eserji Bakurüğerda Akuryakı: birimi Laboritavanan geliptirilment için çalışmalar yapınak.
- li Enelli soličnik hadellerinim idunmeni va Sokretarya tarafından hazarlanan galişkin raporlarının değerlendirilmek.

mülşbə protokolün uygulunmatun ilişkin ilorlemelerin gözden geçirilmesi, mporlumnası ve Program veya projelerin degoriendirilmesi, some ve tavaiyeleri ropor olarak taxoflara seemak.

ES BASKANI

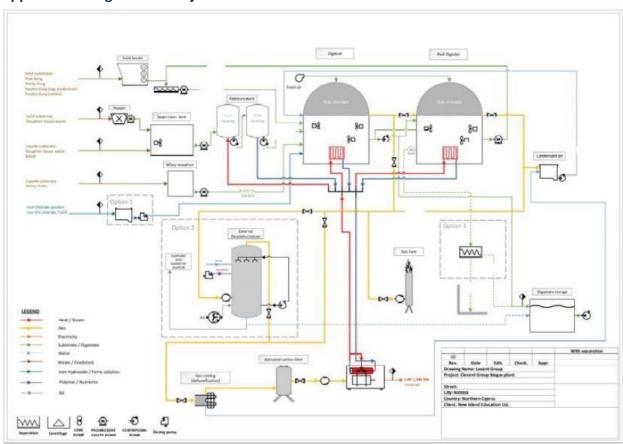
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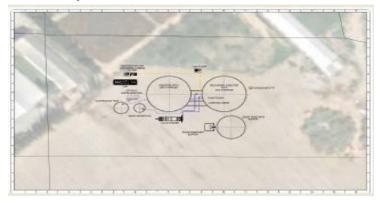




Appendix 2: Biogas Plant Project



Field Plan for Biogas Plant Project







Analysis of Energy and Green House Gas Emissions of Cyprus International University







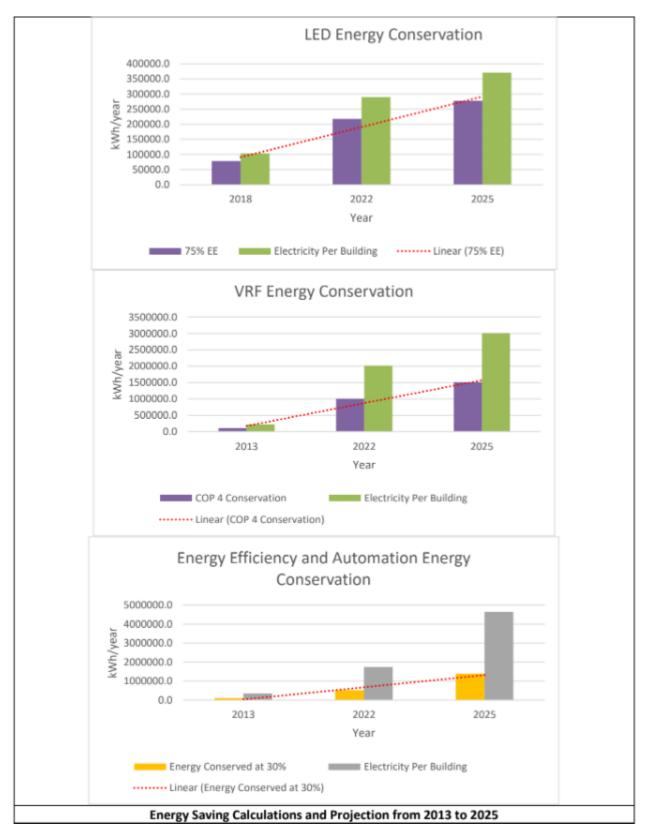
A Resource Efficiency (energy & water) strategy was settled in 2018 to renovate all buildings according to up-to-date standarts and one of the education buildings selected to be the sample. In this building, all renovations were carried out in accordance with ISO 50001 which is the goal of Sustainable Office. Third resource efficiency strategy has done by sustainable office team for Soli dormitories and the area of the total energy audited buildings is amount to 31,400 m².



Energy Management Study for Soli, EH, CU and GE Building













Some details regarding the Energy Efficiency Studies:

- · EUI value is calculated and compared with standards
- Energy consumption trends are evaluated for last 5 years
- Energy consumption in all sections provided, and the minimum and maximum ones measured.
- · Heat gain/loss happened in the buildings measured.
- The lack of air ventilation system and the amount of CO₂ provided and compared with standards.
- The illumination system measured, and the recommendation provided.
- The shading analysis done with simulation software.
- · Water saving measurement provided.
- Feasibility of study calculated.
- Energy Saving Measures.
- · Energy Monitoring and Control.





Renewable Energy Sources on Campus:

This Project was commenced in 2015 by CIU SERC. It is a unique solar energy project due to applying five different mounting types: on a level roof, an inclined roof, oSn terrain, on a façade, and carports. With its 1.3 MW peak capacity, it is also the largest such project in a university in the region. A total of 1,940,000 kWh energy is realized in 2022-2023 term.

Arena Carport		
		100 kW
Roof	the said of the said of the said	
_		100 kW
ST Carport		
		135 kV
Land		7
	The state of the s	750 kW
Stonite	n	
		200 kW





Sustainable Campus Action Plan

Sustainable Campus and UI Greenmetrics							
Work Package	Responsible Person	Supportive Staff/Groups	Admin	2023 2024			
General Topics 1. Report:				Oct. Nov. Dec. Jan. Feb. Mar. Apr. May Jun. Jul. Aug. Sep. Oct.			
a. Vision							
b. Mission	Majid Hashemipour, Serkan Abbasoğlu,						
c. Goal e. Objectives	Mete Boyacı						
f. Strategy	-						
 Determine the key areas, measure the performance and compare it over time across other variables such as (a) building area m2; (b) no. of student/staff; 							
a. Energy i. EE application	_						
i. Ex apparation H. Use of LED lighting	-						
III. Insulation							
b. Water Consumption c. Waste disposal: decrease the amount							
C waste osposar, occreate us amount Transportation: Private vehicular transport & Shuttle Service							
e. Education: No. of courses related to sustainability	Emre Soyer & Hande Çiçek						
No. of staff/students/visitors attend to green activities No. of green activities	1 '		Emre Sover & Asil Azimli				
g. No. of green activities h. % of campus covered in vegetation	-		Emire soyer & Asii Azimii				
No. of projects/partnerships with local authorities and community groups							
Greenhouse gas emitted (kg CO2 equivalent staff/student FTE) due to electricity, heat, transportation,etc. No. (length) of bicycle rack and/or bike stations	_						
K. No. (pengan) or acycle rack and/or take stations L. No. of EV chargers	 -						
3. Application to Associations related to Sustainability:			1				
a. SDGA (International Sustainable Development Goals Accord for Universities)	-						
b. Foundation for Environmental Education (FEE) to receive Green Flag C. ULFS (University Leaders for a Sustainable Future)	Emre Soyer & Hande Çiçek						
d. GUPES (Global Universities Partnership on Environment and Sustainability)	Ⅎ						
e. AASHE (Association for the Advancement of Sustainability in Higher Education)		1	Į.				
4. Centers of Excellence: Energy & Environment programs at 2009 S. Sustainable Innovation Center	Serkan Abbasoğlu & Rana Kıdak Emre Soyer						
3. Sixtamation innovation Central 3. Sixtamation innovation Central 3. Sixtamation of Green Activities on the boards	Emire Soyer						
a. Mitigation CO2 emissions due to PV systems	Mustafa Çağataylı						
b. Reduce in Plastic bottle use	mostara Çagatayıı						
c. Green Events Education							
Increase the no. of compulsory and elective courses	Banu Numan Uyal		Erbuğ Çelebi				
2. Increase the no. of publications related to Sustainability							
Infrastructure	Purchase Department (Asil Azimli)						
Green or Sustainable Procurement Policy Decrease the consumption of copy papers by improving electronic services;	Purchase Department (Asii Azimii)						
a. Use of CIU mobile application/web site for announcements	Computer Center (Mustafa Çağataylı) &		Asil Azimli & Erbuğ Çelebi				
	Webmaster						
b. Electronic boards (TVs) c. Controlled Printer service	Computer Center (Mustafa Çağataylı)						
Transportation & Parking							
 Increase the physical activity in the campus 		1					
a. Bike stations b. Bicycle racks	Kozan Tunç						
D. BRYUNITAKIS C. Walk Way	-	Students for Sustainable Camous					
2. Meet the criteria for a Bicycle Friendly University	Hande Çiçek	Students for Sustainable Campus Campus Management	Asil Azimli & Emre Soyer				
Manage parking demand to address long-term growth with smart parking systems and improved wayfinding Increase passenger trips on University shuttle buses	Kozan Tunç	3. Sustainable Energy Research Center					
Increase passenger trips on University shuttle buses Use some EVs	Emre Soyer						
6. Car sharing/pooling		1					
Maximize can pooling Reduce 'single user' car journeys	Hande Çiçek						
7. Keduce single user car journeys Energy & Water							
Sub-meter and smart-meter buildings, in order to track energy consumption, manage for maximum efficiency, and reduce carbon impact							
2. Connect all buildings to central monitoring and control system							
 Design, construct and renovate greener buildings on campus that operate more efficiently, use less energy and water, and have reduced impacts on the environment Start with Education and Humanities Center where a report is already prepared 							
Salt will be substituted and substituted							
a. Total area should be determined and evaluated		Project & Technical Affairs					
5. Invest more feasible HVAC system, such as VRV, to all buildings.	Emre Soyer	2. Campus Management					
a. Cevik Uraz and STB are designed with VRV systems b. Arts and Social Sciences, Education and Humanities, Rector's Office and Library should be studied	_	Sustainable Energy Research Center Students for Sustainable Campus Engineering Students	Emre Soyer & Asil Azimli				
6. In addition to Çevik Uraz and STB, full automation system that controls HVAC, lightingetc. should be considered to all Buildings. Level of automation should be discussed.							
7. Establish appropriate energy use intensity targets for all building types		6. Academic Staff					
Establish appropriate water consumption targets for all building types Meter all buildings, track water consumption & Detect and repair all system leaks		7. Sustainable Innovation Center					
10. Upgrade to ultra low-flow fixtures in a deskits position of the control of th							
11. Engage student and faculty further in water conservation practices	Hande Çiçek						
12. Strategize and implement a campus lighting plan to address safety, energy use, and aesthetics 13. Install a RO water treatment device to Nature Café and use glass bottle at water dispenser	Mehmet Şenol	4					
15. Install a for what reactive the control of the	Emre Sover						
15. Design new buildings to achieve LEED or BREED certification using the appropriate LEED rating system							
Environment & Agriculture & Food	_	1					
Recycle and Re-use of food wastes Install green roofs to the roof of Rectorate Building	Emre Soyer	Students for Sustainable Campus					
Undertake tree planting of native species in addition to international species							
a. Plant a tree for each quest and share certificate as a gift	Agriculture Department						
b. Arboriculture: start around sewage treatment plant	Agriconore Department			 			
c. A report is prepared by Faculty of Agriculture 4. Decrease waste disposal							
a. Develop and deliver a program of waste audits across campus to ensure (a) appropriate labelling (b) appropriate wastes are disposed of correctly	Emre Soyer	2. Academic Staff	Acil Azimli				
5. Stop use of plastic bottles/cups	→	3. Sustainable Innovation Center	OH OHIN				
a. Initially at Palm Inn, Lake view and Rector's office b. At Canteens and Cafes	Emre Soyer	4. Campus Management					
to. We carried the consumption of healthier and more sustainable food in Campus		1					
a. Salad day		1					
b. Fruit day c. Sustainable food menu to Palm Inn	Gastronomy Department						
6. Carry out a study on Cyprus Cuisine	Ⅎ						
A pre-report is prepared by School of Tourism and Hospitality		1					
	-		. —				





Outreach Programs Towards Sustainable Energy Pledge



Date: 20 September 2023 **Time:** 14:30

https://www.ciu.edu.tr/en/events/renew-your-summer-renewables







Date: 16 May 2023 **Time:** 14:30

https://www.ciu.edu.tr/en/events/debate-fossil-fuels-vs-renewables





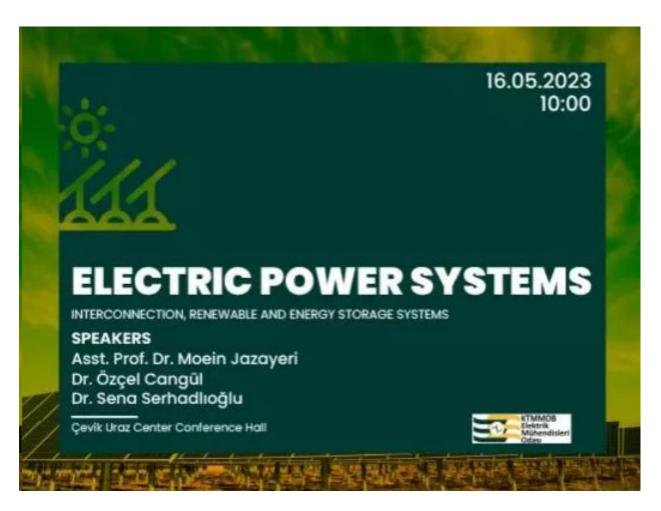


Date: 25.05.2023

https://www.ciu.edu.tr/en/events/wind-speed-measurement-competition







Date: 16 May 2023

Time: 10:00

https://www.ciu.edu.tr/en/events/electric-power-systems