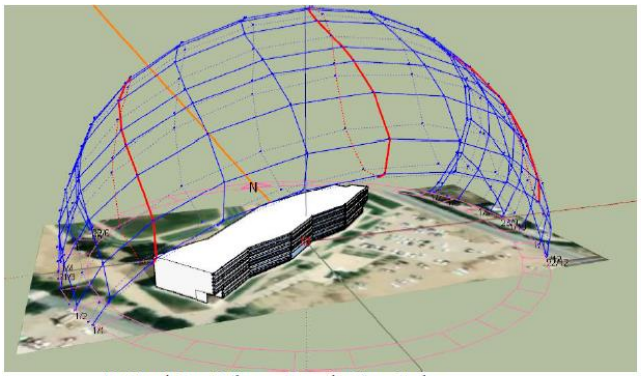
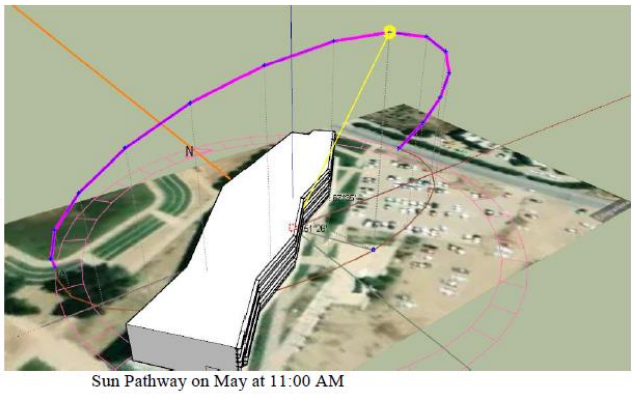
ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

THE IMPACT RANKINGS

Energy Audits: Annually, we conduct an audit of one of the university's buildings. For instance, these audits have been realized for EH Building and Soli Building. See the information below for more details.



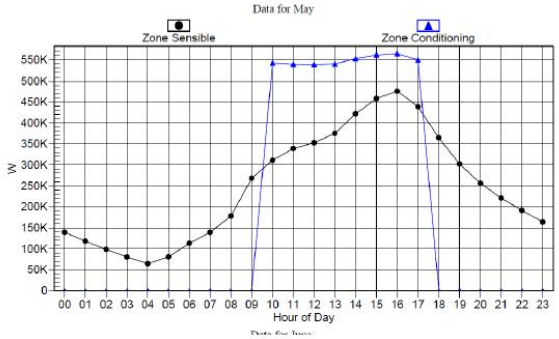
12-Month Sun Pathways Over the Case Study

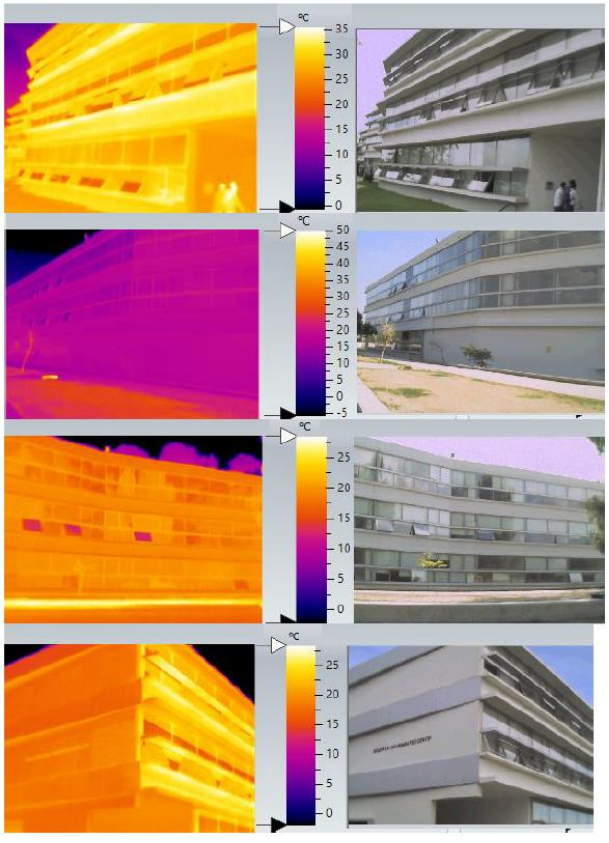


Sun Pathway on May at 11:00 AM

Measure	Annual Net Saving		Installation Cost ($)	NPV ($)	PP (year)
	Energy (kWh)	Money ($)			
Roof Insulation	167,760	18516	33144	82581	1.52
Pipe Insulation	5,054	812	1950	2110	2.4
LED Replacement	11,625	2548	8155	4159	3.2
PV Installation	480,000	76800	300000	176160	3.9
Windows Replacement	52,344	5536	120000	-86935	22.4

Economic Analysis





ENERGY EFFICIENCY IN EDUCATIONAL BUILDINGS

ULUSLARARASI KIBRIS ÜNİVERSİTESİ
CYPRUS INTERNATIONAL UNIVERSITY

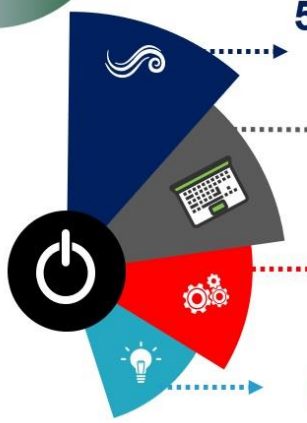
THE IMPACT RANKINGS

05 Equipment Profile

Usage	Devices/Appliances	Number	Watt Consumption	* Hour in Day	Day in Year
Air - Conditioning	Mitsubishi 12000 BTU	2	800	8	250
	LG ARUM 100 LTE 5	2	11,428	5	100
	LG ARUM 120 LTE 5	2	11,599	5	100
	LG Indoor Unite	21	40	4	100
Office Work	Aquarium	1	20	24	365
	PC	11	300	6	250
	Laptop	4	80	6	250
	Printers & Fax	4	500	0.5	250
	TV	2	80	1	250
Kitchen	Refrigerator	2	500	4	250
	Dish Washer	1	2,000	1	250
	Washing Machine	1	2,000	1	250
	Coffee Maker	3	1,200	2	250
	Water Dispenser	1	500	12	250
	Microwave	1	1,200	1	250
	Oven	1	1,500	1	250
	Toste Maker	1	1,500	1	250
	Hood	1	200	1	250
	Kettle	1	1,200	1	250
Building	Security Camera	1	160	24	365
	UPS 10 kW	1	200	24	365
	Water Pump	1	1,100	4	250
	Elevator	1	4,400	3	250
Lighting	Ground Floor	40	18	3	250
		16	10	3	250
	First Floor	52	18	3	250
		26	10	3	250
	Second Floor	26	18	3	250
		62	10	3	250
	Third Floor	30	5	3	250
	Total Consumption	47,593 kWh in Year			

06 End Use Consumption Profile

Energy Audit in Commercial Buildings



54% Cooling + Heating

26% Office Equipment & Kitchen

15% Building

5% Lighting

07 CE Standard Differences

* EU Average Commercial Building energy Consumption

49% Cooling+ Heating

24% Lighting

15% Office Equipment & Kitchen

9% Building

3% Other