



University : UzSWLU
 Country : Uzbekistan
 Web Address : <https://www.uzswlu.uz/en>

SAMPLE

[2] Energy and Climate Change (EC)

[2.15] Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT)

Stage	Activities/Programs	ICT Utilization	Evidence	Timeline	Responsible Team/Department
Planning	Conduct feasibility studies for renewable energy installations.	GIS mapping, renewable energy simulation software	Feasibility studies, site assessment reports	Jan 2024 - Apr 2024	Energy Management ICT Dept
Implementation	Install solar panels and small wind turbines on campus.	Project management tools, installation scheduling software	Installation logs, energy generation data	May 2024 - Dec 2024	Facility Management Energy Dept
Monitoring	Track the energy production from installed systems.	Renewable energy monitoring systems	Energy production reports, performance analytics	Ongoing	Energy Management ICT Dept
Evaluation	Assess the efficiency of the systems and suggest improvements.	Data analysis software for performance review	Annual energy audit reports, suggestions for optimization	Ongoing, reviewed annually	Energy Management ICT Dept

Description:

UzSWLU is committed to improving energy efficiency and addressing climate change through strategic planning and ICT integration. The university focuses on using technology to optimize renewable energy installations, including solar and wind power. Planning activities involve using GIS mapping and renewable energy simulation software to identify suitable sites for installations. During implementation, the university employs project management tools to streamline the installation process. Continuous monitoring and performance evaluations are carried out using specialized software to ensure optimal energy production and identify areas for improvement.

Number of Renewable Energy Sources on Campus:

- Solar panels: Planned installations across main academic buildings.
- Small wind turbines: Considered for installation in open areas to supplement solar power.

The screenshot displays the FusionSolar monitoring interface. At the top, there are navigation tabs for Home, Monitoring, Reports, Plants, Value-Added Services, and System. A notification banner indicates a new plant connection. The main dashboard is divided into three sections: Plant KPIs, Plant Status, and Active Alarms.

Plant KPIs:

- Current power: 210.37 kW
- Revenue today: 35.94 \$
- Investor rated power: 1.32 MW
- Yield today: 4.99 kWh
- Total yield: 2.11 kWh
- Rated ESS capacity: 0.00 kWh

Plant Status: 20 Total plants. Legend: 19 Normal, 0 Faulty, 1 Offline.

Active Alarms: 1 Total alarms. Legend: 0 Critical, 1 Major, 0 Minor, 0 Warning.

Plant Data Table:

Status	Plant Image	Plant Name	Country/Region	Grid Connection Date	Total String Capacity (kWp)	Optimizer Quantity	Battery	Current Power (kW)	Specific Energy (kWh/kWp)	Yield Today (kWh)	Total Yield (kWh)
●		Жақон тиллари 5-...	Uzbekistan	2023-10-27	30 000	--	--	1.81	4.82	144.45	43,140.00
●		Жақон тиллари 9-в	Uzbekistan	2023-10-20	60 000	--	--	2.85	3.57	214.17	76,568.11
●		Жақон тиллари 9-б	Uzbekistan	2023-10-20	60 000	--	--	3.18	3.94	236.66	67,843.44
●		Жақон тиллари 12...	Uzbekistan	2023-10-13	40 000	--	--	1.90	3.06	122.24	48,704.21
●		Жақон тиллари ил...	Uzbekistan	2023-08-15	40 000	--	--	2.53	4.44	177.61	61,990.24
●		Жақон тиллари йо...	Uzbekistan	2023-08-10	30 000	--	--	1.65	3.72	111.70	28,799.76

Below the table is an aerial photograph of a large, modern university building with a red roof and a central courtyard. The building has the name 'UZBEKISTON DAVLAT JAHON TILI UNIVERSITETI' and 'INTERNATIONAL SLAVE WORLD LANGUAGES UNIVERSITY' visible on its facade.

Renewable energy simulation software and installation of renewable energy

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):