

2023-2024 SDG 7 REPORT



7. Affordable and Clean Energy



Scholarly Output:
114



International
Collaboration:
5



Field-weighted
Citation Impact:
0.74



Number of Current
Projects:
17



Number of Annual
Events:
12

1. ISO 50001 Energy Management System Standard

Özyeğin University integrates the ISO 50001 Energy Management System Standard with the ISO 14001 Environmental Management System Standard, systematically addressing energy management to achieve more efficient, sustainable, and effective energy use.

bsi.



Certificate of Registration

ENERGY MANAGEMENT SYSTEM - ISO 50001:2018

This is to certify that:
Özyeğin Üniversitesi
Celimekoy
Nispetiye Mah. Orman Sk.
İstanbul
İstanbul (Asia Side)
34794
Turkey

Holds Certificate No: **ENMS 772462**

and operates an Energy Management System which complies with the requirements of ISO 50001:2018 for the following scope:

Higher Education Activities, Social and Administration Services

For and on behalf of BSI:

Thomas Kotte, Managing Director Assurance - IMETA

Original Registration Date: 2024-03-18
Latest Revision Date: 2024-03-18

Effective Date: 2024-03-18
Expiry Date: 2027-03-17

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ISO 50001
Certification

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2. ISO 50001 Energy Management System Standard

ISO 50001 is an international standard aimed at systematically addressing energy management. Developed by the International Organization for Standardization (ISO), this standard assists businesses in managing energy more efficiently, sustainably, and effectively. ISO 50001 supports organizations in achieving the following goals:

- Energy efficiency,
- Savings,
- Environmental sustainability, and
- Cost control.

3. Adaptable Technological Solutions based on Early Design Actions for the Construction and Renovation of Energy Positive Homes

Center for Energy, Environment and Economy, is a partner in the LEGOFIT project which aims to work adaptable technological solutions based on early design actions for the construction and renovation of Energy Passive Homes. The project is coordinated by Demir Enerji and is composed of 19 partners representing 10 countries, bringing together a multidisciplinary team, involving academic partners, small, medium and large enterprises from the energy and building sector and large European networks.

The LEGOFIT project aims to design, implement and validate an advanced and dynamic integrative approach to accomplish Energy Positive Homes (EPH) based on smart and innovative solutions with a high scalability and replicability for building construction and renovation, through:

- developing an innovative holistic design platform that encompass not only passive and active technologies but also their integration for smartest exchange of information and interoperability of systems based on Building Information Modelling (BIM)

- integrating active and passive strategies with smart management technologies for climate neutral and high energy building performance investigating innovative routes for promoting minimum environmental impacts by the smart use of solid and liquid residues generated during building life cycle stages fostering sustainable stock of buildings by guaranteeing the fulfilment of sustainable criteria and the enhancement of smart readiness of buildings.

- This innovative and integrated approach is demonstrated in 3+ demos across a range of geographical, cultural and construction stages/ technological market maturity scenarios.



4. procuRE: re-commercial Procurement of Breakthrough Solutions for 100% Renewable Energy Supply in Buildings

European Commission granted “procuRE: re-commercial Procurement of Breakthrough Solutions for 100% Renewable Energy Supply in Buildings” project, in which OzU and Istanbul Metropolitan Municipality (Istanbul Büyükşehir Belediyesi - İBB) are partners, under Horizon 2020 program. The project is timeline is set from 2020 December to 2024 October, to support renewable energy applications by receiving 7 million Euros of R&D investment.

The project, involving various academics from OzU, Faculty of Architecture and Design Building Materials and Physics Laboratory, intends to provide 100% renewable energy to existing public buildings located in different cities in Europe. These developed systems are purchased through a tender method and implemented in selected public buildings. With the realization of improvement in tasks in facilities, the annual energy requirement of each building is supplied totally from renewable energy systems. The OzU team conducts the necessary research studies to ensure that the pilot building in Istanbul uses 100% renewable energy without requiring other energy resources. More information on the project can be accessed here.

Scan for more information



5. LEED Certificate

LEED stands for “Leadership in Energy and Environmental Design” and is the most widely used green building rating system in the world. In other words, LEED is a certificate of appreciation awarded to buildings that comply with the fundamental sustainability requirements in order to support the natural habitat without disturbing the ecosystem.

A performance score is generated based on the fulfilment of the LEED certification requirements. The Performance Score determines the level of LEED certification awarded. Performance Score and Certification Levels are as follows: LEED Certified (40-49), LEED Silver (50-59), LEED Gold (60-79), and LEED Platinum (80+). A minimum Performance Score of 40 must be achieved in order to receive the LEED certified status for all buildings. Özyeğin University has been awarded with the LEED GOLD certificate for its AB1, AB2, and SC buildings.



6. University Impact Rankings for UN SDG 7: Affordable and Clean Energy: ÖZU: the Second Foundation University in Türkiye.

Times Higher Education has assessed and ranked 987 universities from 96 countries/regions for their exceptional efforts towards the SDG Turkey has the highest number of institutions in the table with 58, followed by India (56) and Japan (43). ÖZU is the second foundation university in Türkiye in the 2024 THE Impact rankings. The ranked institutions stand out for their commitment to developing and promoting sustainable energy services, enhancing energy efficiency and fostering investments in energy infrastructure. Through innovative research and practical applications, they contribute significantly to diversifying the energy mix and improving universal access to clean energy resources.

ÖZU is one of the top universities in Turkey as a leader in researching clean energy technologies but in implementing campus-wide initiatives to reduce energy consumption and increase the use of renewable energy sources.

7. Lahore Times Square (LTS) Project

Lahore Times Square (LTS), a luxurious mixed-use living space with a total area of 1.13 million m² and multi-layered buildings such as residential houses, hospitals, offices, schools and shopping malls, is CEEE's premier consultancy project. Due to its size and climatic conditions, the design, construction and operation of buildings are quite challenging from both technical and sustainability point of view. In this context, the project shapes CEEE's future work. For this purpose, a unique sustainability strategy has been developed by CEEE and several building energy simulations have been carried out. In addition, passive design and life cycle analyses have been conducted. The user experience is designed with ICT and IoT strategies. CEEE consultancy services, comprising a total of five work packages, will be extensively pursued.



T.C.
İSTANBUL VALİLİĞİ
Çevre ve Şehircilik İl Müdürlüğü



Belge No: TS-34B2-6/1

Tarih: 14/02/2020

SIFIR ATIK BELGESİ
(Temel Seviye)

Adı : ÖZYEGIN ÜNİVERSİTESİ
Adresi : NİŞANTEPE MAHALLESİ ORMAN SOKAK NO:34-36, ÇEKMEKÖY, İSTANBUL
Vergi No : 7170240129

12/07/2019 tarihi ve 30829 sayılı Resmî Gazete'de yayımlanarak yürürlüğe giren Sıfır Atık Yönetmeliğince Sıfır Atık Yönetim Sistemi'ni kurarak Sıfır Atık Belgesi'ni almaya hak kazanmıştır.

e-İmza

Hacı Mehmet GÖNER
Çevre ve Şehircilik İl Müdürü

Belge Son Geçerlilik Tarihi: 14/02/2025

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Certificate of Registration

OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM - ISO 45001:2018

This is to certify that:

Ozyegin Universitesi
Çekmeköy
Nişantepe Mah. Orman Sk.
İstanbul
İstanbul (Asia Side)
34794
Turkey

Holds Certificate No:

OHS 608191

and operates an Occupational Health and Safety Management System which complies with the requirements of ISO 45001:2018 for the following scope:

Higher Education Activities, Social and Administration Services
Previously certified for OHSAS 18001 since 13/03/2014.

For and on behalf of BSI:

Theuns Kotze, Managing Director Assurance - IMETA

Original Registration Date: 2020-03-10
Latest Revision Date: 2023-02-01

Effective Date: 2023-03-13
Expiry Date: 2026-03-12

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ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that:

Ozyegin Universitesi
Çekmeköy
Nişantepe Mah. Orman Sk.
İstanbul
İstanbul (Asia Side)
34794
Turkey

Holds Certificate No:

EMS 608192

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

Higher Education Activities, Social and Administration Services

For and on behalf of BSI:

Theuns Kotze, Managing Director Assurance - IMETA

Original Registration Date: 2014-03-13
Latest Revision Date: 2023-03-01

Effective Date: 2023-03-13
Expiry Date: 2026-03-12

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