

Zwack Unicum Plc.

**YEARLY RESULTS ACHIEVED WITH MEASURES OF
ENERGY EFFICIENCY**

2021





This report was made on behalf of Zwack Unicum Plc. (1095 Budapest, Soroksári road 26.)

Contact on behalf of Zwack Plc.: Ottó Kurcsinka
Facility manager and energy engineer
e-mail: kurcsinka@zwackunicum.hu

Topic manager on behalf of AlfaPed Ltd.: Péter Gellért
Service development director
e-mail: peter.gellert@alfaped.hu

Contact on behalf of AlfaPed Ltd.: Zoltán Czinege
Research development director
e-mail: zoltan.czinege@alfaped.hu

Disclaimer:

The full content of this report is a property of AlfaPed Ltd. and Zwack Unicum Plc. The disclosure of this report or any part of this report, the citing of any of the content elements, the use and utilization of this report or any technological know-how, which has been explored and presented in this report may only take place exclusively with the consilient prior written consent by both of the owners.

CONTENTS

1. Total energy consumption.....	3.
2. Measures to increasing energy efficiency.....	4.
3. Attitude formation activities.....	4.
4. About the energy specialist.....	5.

1. TOTAL ENERGY CONSUMPTION

This document was made for Zwack Unicum Plc. (1095 Budapest, Soroksári road 95.) on the basis of the following laws and regulations: the 2015. LVII. Law of energy efficiency, the 122/2015. (V. 26.) Government decree, and the 2/2017. (II. 16.) decree by the Hungarian Energy and Utility Regulation Bureau.

Fig. 1. presents the distribution of the total energy consumption by energy sources in 2021.

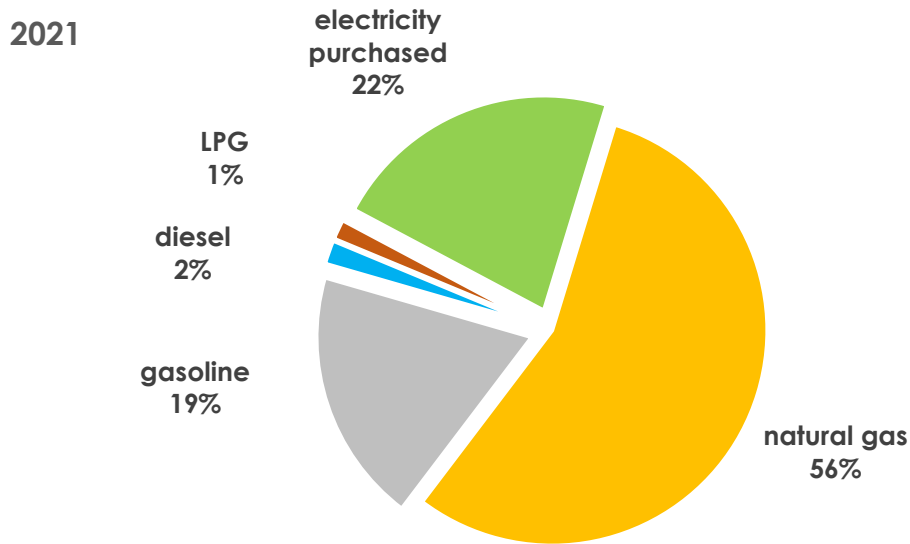
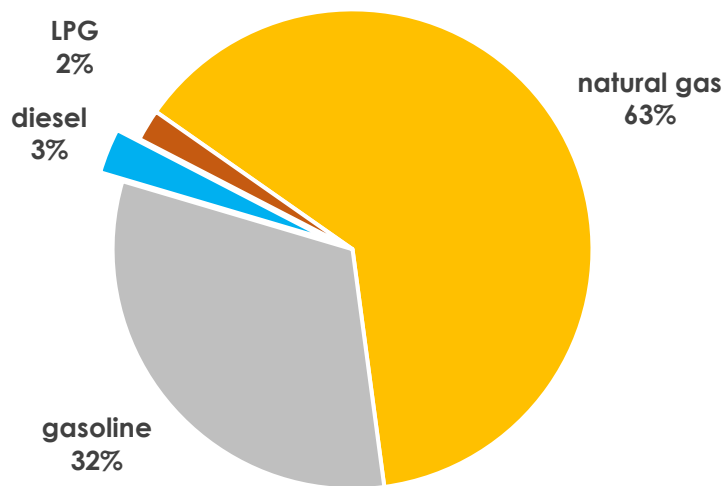


Fig. 1. Distribution of the total yearly energy consumption by energy sources

Fig. 2. presents the distribution of carbon dioxide emission amongst the used energy sources.



In the name of energy consciousness, Zwack Unicum Plc. has been buying green electricity since September 2019, so the carbon dioxide emissions associated with electricity are zero.

2. MEASURES TO INCREASING ENERGY EFFICIENCY

The following table shows the energy efficiency measures to be implemented in 2021. The extent of the planned energy savings shows how much reduction in the use of the given energy carrier is expected as a result of each measure.

Table 1. Measures to increasing energy efficiency

	Measures taken	Telephely	Energy source	Extent of the planned energy savings	Megvalósulás dátuma
1.	Lighting modernization	Soroksári road	Purchased electricity	0,52%	2021.12.16
2.	Lighting modernization	Dunaharaszti	Purchased electricity	2,10%	2021.04.09
3.	Tank insulation	Soroksári road	Natural gas 2H type	4,23%	2021.12.07

3. ATTITUDE FORMATION ACTIVITIES

We believe that environmental education and attitude formation have a prominent rule in solving the environmental problems our society is facing these days. We can preserve and protect the health of our environment by steering the consumer habits into a positive direction.

In the spirit of this we would like to raise awareness together and draw the attention of the people to the little things and practices we can all do, as well as to the conscious shopping and consumption which will allow each and every one of us to make our own environment and that of our peers more and more liveable for ourselves and our peers in the long term.

Table 2. Attitude formation activities

Description of activities	Frequency, per year	Participants reached, cap
Electricity from renewable sources: green energy education	1	250
Geothermal energy project presentation and launch at the DH site (sales conference)	1	120
Energy efficiency education (presentation of EgIR results)	1	250
Internal billboard (TV) energy communication	1	250

4.ENERGY SPECIALIST

AlfaPed LLC is on the Hungarian market since 2005. Since the foundation we preserved our faith in professional work, and instead of fast growing an expert team was built up to cover a wide range of energy audits and verification. In the last years energy loss explorations and studies were completed at several multinational companies. We supported our partners in establishing their development in energy area with measurements and assessments. Our works are complex, based on system approach, but we carry out focused investigations, if it meets our partner's needs better.

The energy efficient operation is the interest and responsibility of the companies, which is founded on conscious energy management based on energy loss investigations. The widespread use of these processes - based on the EU directive - was the result of the Hungarian law nr. LVII of 2015, which raised the energy audit to a mandatory level for large companies. Through our company's experienced professionals, we have also joined these processes, with supporting the energy efficiency aspirations of many large Hungarian companies in recent years through energy audits and the introduction and maintenance of the ISO 50001 system. Our specialists passed the mandatory auditor exam announced by the Hungarian Energy and Public Utility Regulatory Authority, and we also obtained the right to perform an energy audit.

From the last 16 years our references include energy loss investigations of several multinational companies, like MOL, IKEA, NESTLÉ, BPW, etc., and we currently provide energy consulting services to AUDI, ARCONIC, BOSCH, CONTINENTAL and several of our large company partners. We also performed energy audits for several of our clients like BOSCH, LUFTHANSA, SANOFI CHINOIN, UNICEF and ZWACK. Among our references of a large number of sites, our activities as a subcontractor of Cordi Zrt. on behalf of TESCO-GLOBAL department stores Zrt., Fusion Investment Zrt. and Magyar Posta Zrt. are worth mentioning.

In addition to energy auditing and energy consultancy services, our company also offers a range of value-added services to our clients, such as:

- instrumental review,
- audit service enabling the use of corporate tax for energy efficiency measures,
- development of an energy or sustainability plan and/or strategy,
- development of a property development concept,
- feasibility study,
- implementation and support of a standardised energy management system (ISO 50001),
- LEAN based energy workshop.