Starters E-Components Generators Automotive Hungary Kft.

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This report has been comissioned by Starters E-Components Generators Automotive Hungary Ltd. (3711 Szirmabesenyő, Farkashegyi út 3.)

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1. TOTAL ENERGY CONSUMPTION

This document has been prepared for Starters E-Components Generators Automotive Hungary Ltd. (3711 Szirmabesenyő 0129/96) on the basis of the provisions of Act LVII of 2015, MEKH Decree 2/2017 (II. 16.), Government Decree 122/2015 (V. 26.) and MEKH Decree 10/2017 (VIII. 10.).

The division between the different sub-areas (building, technology, transport) was based on the structure of the submeter network and the recommendations of Starters E-Components Generators Automotive Hungary Kft. **Figure 1** shows how the total energy consumption is distributed between the sub-areas.

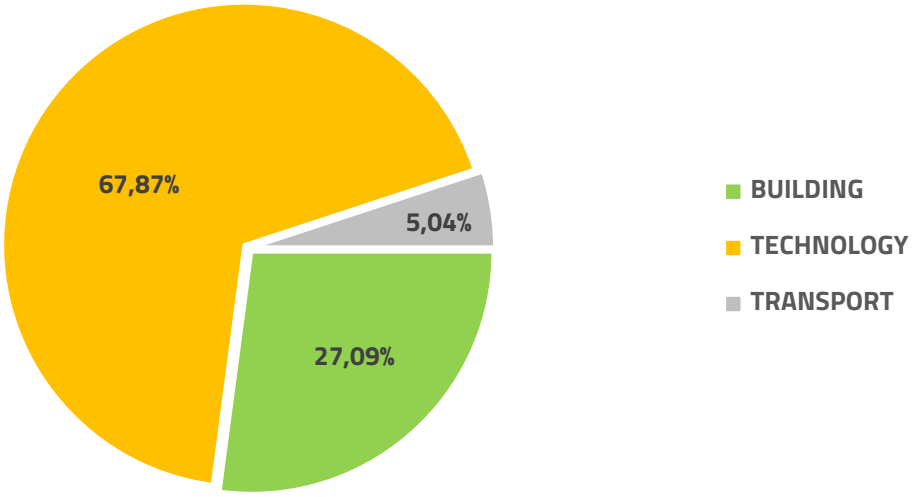

Figure 1: Distribution of the total energy consumption by sub-areas

The breakdown of the total energy used in the year by energy carrier is shown in **Figure 2**:

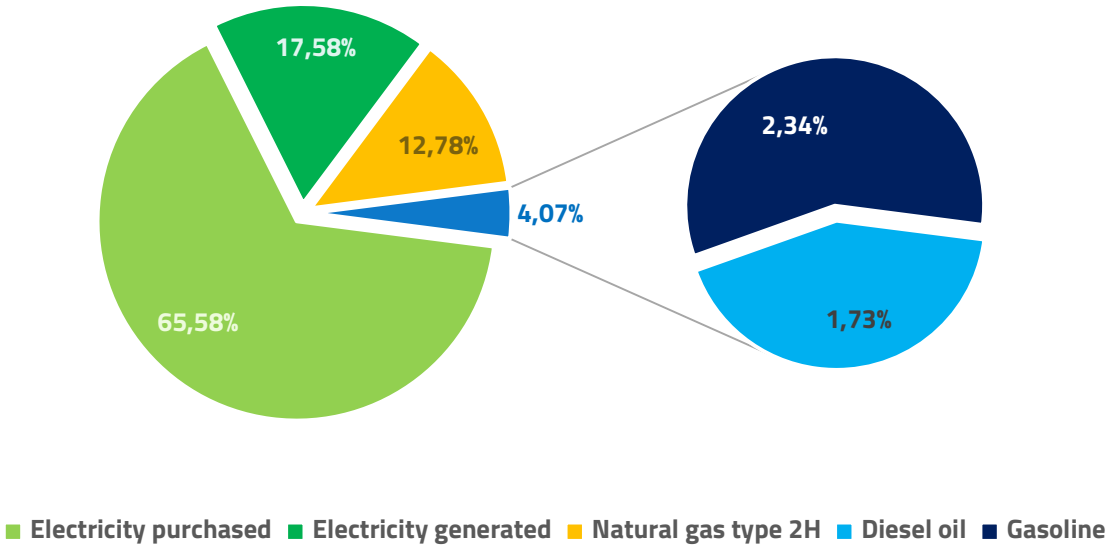

Figure 2: Breakdown by energy source of total energy consumed in the year

Carbon dioxide emissions between the energy sources used are illustrated in **Figure 3**.

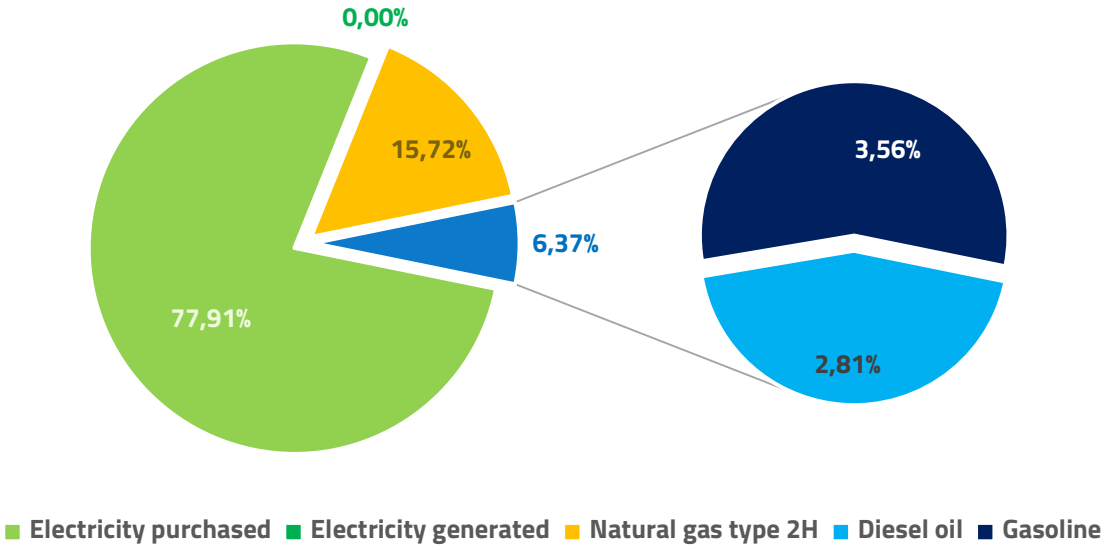

Figure 3: CO2 emissions between energy sources

1. MEASURES TO INCREASE ENERGY EFFICIENCY

Table 1 summarises the measures carried out to increase energy efficiency and their impact on the energy consumption of the corresponding sub-areas.

Table 1: Table of measures to increase energy efficiency

Nr.	Technical content of the measure	Technical system concerned	Energy carrier	Sub-area
1	Natural gas savings for heating purposes	Heating system	Natural gas type 2H	Building

The following waterfall charts show the impact of each measure on annual energy consumption. By base, we mean the amount of each energy carrier consumed. Expected is the amount that would be expected as a result of the measures.

Figure 4 shows the measures' impact on natural gas consumption.

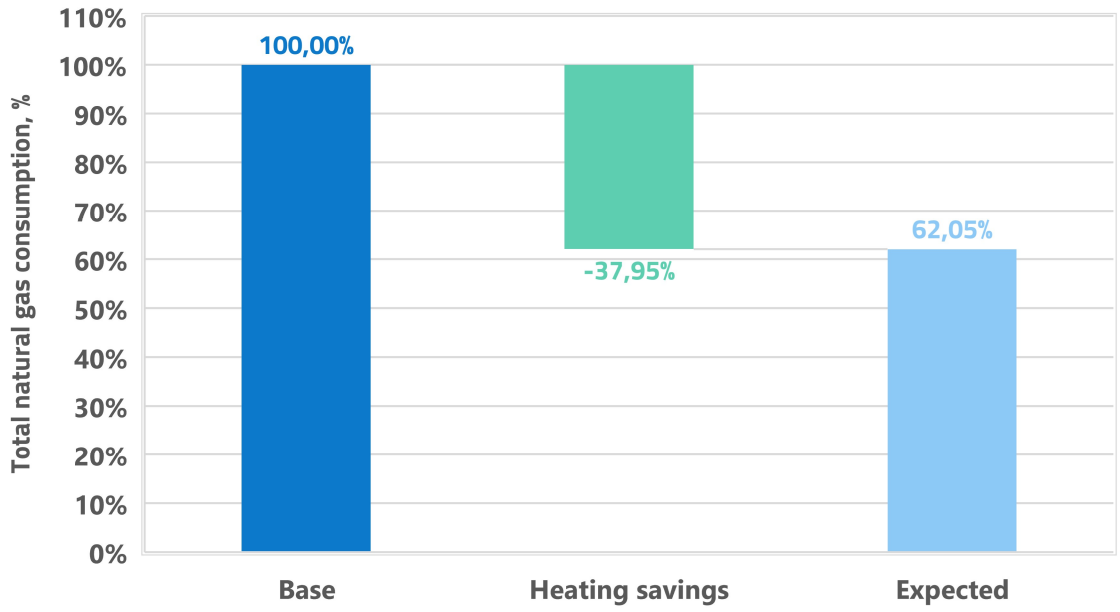

Figure 4: The measures' impact on natural gas consumption

Awareness raising activities

We believe that environmental education and awareness-raising have a fundamental role to play in solving the problems of our country and the world. We can preserve and protect the health of our environment by positively influencing the consumption habits of the domestic population, both inside and outside the company.

In this spirit, we want to join forces to raise people's awareness of the small things, practices and conscious purchases that can make our environment and that of our fellow citizens more liveable in the long term.

Table 2: Table of awareness raising activities

Nr.	Description of activity and location	Frequency [pcs/year]	Participants reached [persons]
1	Opportunity to work in Home Office	1	500
2	Promoting energy efficiency ideas in tea kitchens on leaflets	1	500
3	Presentation of energy efficiency ideas on the cantine TV	1	1450
4	Calling the attention of production line managers to the importance of adhering to the shutdown plan	1	60
5	Promoting the importance of shutdown plan compliance to production managers	1	45

3. ABOUT THE ENERGY SPECIALIST

The AlfaPed, Developer, Manufacturer and Service Provider Ltd has been present on the domestic market since 2005. In the more than 18 years since its establishment, we have maintained our belief in professionalism and instead of growth, we have built a team of expert engineers to cover the full spectrum of energy audits and inspections. We have recently carried out energy loss assessment work for a number of multinational and mid-sized companies, and through our studies and surveys we have sought to establish the direction and scope of energy improvements. Our work is characterised by complexity and a systems approach, but we also carry out priority focus reviews on request, if the Client's interest so requires.

Conscious energy management processes based on energy loss mapping and the resulting energy-efficient operation are in the interest and responsibility of businesses. The widespread dissemination of these processes - based on the EU directive - has been greatly facilitated by the Hungarian legislation for large companies with the LVII Act of 2015. With our experienced professionals, we have joined the process and supported the energy efficiency efforts of many large domestic companies in recent years by providing energy audits and ISO 50001 implementation and maintenance. Our experts have passed the mandatory auditor exam of the Hungarian Energy and Public Utility Regulatory Office and we are also qualified to carry out energy audits.

Our references from the past 18 years include energy audits of several multinational companies such as BOSCH, BPW, BUSCH, etc, and we are currently acting as energy consultant for ARCONIC, BOSCH, CONTINENTAL and several of our large corporate partners. we have also carried out energy audits for several of our clients such as BOSCH, LUFTHANSA, HYDRO and RTL. we also provide EER consulting services for several of our partners such as OMV, SHELL and WABERER'S.

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

-audit service enabling the use of corporate tax,
-EKR advice and certification
-development of an energy development plan and/or strategy,
-instrumental review,
-implementation and support of a standardised energy management system (ISO 50001),
-development of a real estate development concept,
-building energy consultancy
-feasibility study,
-education, awareness-raising
-LEAN based energy workshop.