

ENVIRONMENTAL PERFORMANCE 2022-2023

KOLAB ENSAYOS, located on Calle Nubes 10, in the Leganés (Madrid) municipal district, operates an integrated management system based on the ISO 9001:2015 Quality Standard and the ISO 14001:2015 Environmental Standard.

KOLAB ENSAYOS, complies with the main quality and environmental regulations: it conducts a thorough monitoring of its integrated management system by establishing an environmental policy, setting objectives and indicators, identifying environmental aspects, legal requirements, risks and opportunities.

There follows a summary of the environmental performance of **KOLAB ENSAYOS**, for the period 04/21 – 04/23.

Quality and Environmental Policy

The Quality and Environmental Policy of **KOLAB ENSAYOS**, is available on the company website (<https://kolabensayos.com/>). This policy sets out the main environmental commitments adhered to by **KOLAB ENSAYOS**.

Environmental objectives and key performance indicators

2021

The environmental objectives set for 2021 were as follows:

1. 2% reduction in fuel consumption per test relative to 2020

In 2021 total fuel consumption amounted to 13,150.34 litres, which compares with 9,712.32 litres in 2020 (up by 35%). On a per-test basis, fuel consumption in 2021 stood at 0.47 litres/test, versus 0.41 litres/test in 2020.

This objective has not been fulfilled. Fuel consumption on a per-test basis was found not to be a realistic performance indicator, since the work can either be carried out at Kolab's own facilities at zero fuel cost, or at client facilities 50km away, at low fuel cost, or at a high fuel cost at client facilities requiring a 1000km round trip. In 2021 the increase in on-site testing work led to longer travelling distances and hence higher fuel consumption per test. Every effort was made to optimise routes, scheduling several jobs on the same trip, but this did not always prove possible.

2. 1% reduction in non-textile waste generation per test relative to 2020

Non-textile waste generation in 2020 amounted to 99 Kg, which compares with 310 kg in 2021 Kg.

This objective has not been attained. It was found that this performance indicator is not entirely realistic, since Kolab has no control over the proportion of insulating gloves that fail the tests, or the proportion of vacuum anchor rubber seals that need to be replaced, as this is totally dependent on the use made of these items by our clients.

2022

The environmental objectives set for 2022 were:

1. Optimise electric power consumption for lighting by replacing all halogen and fluorescent lights with LED lights.

All halogen and fluorescent lights have been replaced with LED. In addition, skylights were added to the ceilings in all the offices and passage to make better use of natural sunlight.

2. Installing photovoltaic solar panels to add a renewable component to our electric power consumption.

This project was approved and contracted at the end of 2022. However, the installation itself of the solar panels did not take place until March 2023. The solar installation is now in operation, enabling self-consumption during the central hours of the day.

During 2021 KOLAB ENSAYOS monitored its consumption levels, with the following results:

Consumption monitoring - 2021

- **Electric power consumption**

In **2021** total power consumption reached 7,860 kWh, versus 5,309 kWh in 2020 (up by 26.2%). If we compare power consumption on a per-test basis, power consumption in 2020 was 0.22 kWh/test, rising to 0.28 kWh/test in 2021 (21% increase).

- **Water consumption**

In **2021** total water consumption amounted to 89m³, which compares with 81m³ in 2020 (8.99% increase). On a per-test basis the figures were 0.00320 m³/test in 2021 versus 0.003416 m³/test in 2020.

- **Fuel consumption**

En 2021 total fuel consumption reached 13,150.34 litres; up from 9,712.32 litres in 2020 (35% increase). On a per-test basis, the value for 2021 was 0.47 litres/test, versus 0.41 litres/test in 2020.

- **Paper consumption**

In **2021** total paper consumption was 17,500 sheets, while in 2020 it amounted to 20,000 sheets (down by 12.5%). On a per-test basis, the value for 2021 was 0.63 sheets/test, down from 0.84 sheets/test in 2020.

- **Toner consumption**

In 2021 total toner consumption was 21 units, which compares with 8 units in 2020 (162% increase). On a per-test basis the figures were 0.00076 units/test in 2021 versus 0.00034 units/test in 2020 (123 % increase).

During 2021 **KOLAB ENSAYOS** monitored its consumption levels, with the following results:

Consumption monitoring - 2022

- **Electric power consumption**
In **2022** total power consumption reached 8.521 KWh, versus 7,860 KWh in 2021 (up by 8.41%). If we compare power consumption on a per-test basis, power consumption in 2021 was 0.28 kWh/test, falling to 0.22 kWh/test in 2022 (21.4% decrease).
- **Water consumption**
In **2022** total water consumption amounted to 99m³, which compares with 89m³ in 2021 (11.24% increase). On a per-test basis the figures were 0,002595 m³/test in 2021 versus 0.00320 m³/test in 2021 (18.91% reduction). Water consumption in March was abnormally high due to a leaky pipe in the toilets.
- **Fuel consumption**
En **2022** total fuel consumption reached 8,955.84 litres; down from 13,150.34 litres in 2020 (32% decrease). On a per-test basis, the value for 2022 was 0.23 litres/test, versus 0.47 litres/test in 2022 (51% reduction).
- **Paper consumption**
In **2022** total paper consumption was 15,000 sheets, while in 2021 it amounted to 17,500 sheets (down by 14.3%). On a per-test basis, the value for 2022 was 0.39 sheets/test, down from 0.62 sheets/test in 2021 (down by 37%).
- **Toner consumption**
In **2022** total toner consumption was 9 units, which compares with 21 units in 2020 (57% decrease). On a per-test basis the figures were 0.00023 units/test in 2022 versus 0.00076 units/test in 2021 (69.74% reduction). Consumption figures, based on toner purchases, were distorted by a large bulk purchase in 2021.

Environmental aspects

Every year the organisation identifies and evaluates the environmental aspects deriving from its main consumption items, hazardous and non-hazardous waste, atmospheric emissions, waste emissions and effluent, both on a direct and on an indirect or potential/emergency basis.

Operational control is carried out on all environmental aspects identified, whether significant or not. For the present year 2023, no significant environmental aspects were identified based on figures for 2022

There follows a description of the monitoring of significant environmental aspects identified in 2022 based on 2021 figures.

Power consumption:

- In order achieve a further reduction – already achieved by installing more energy-efficient LED lights – of this significant aspect identified last year (2022), the objective of installing photovoltaic solar panels was maintained for 2023. This project was actually approved and contracted in 2022, but actual installation did not take place last

year. Hence, a substantial decrease in electrical power consumption is expected in 2023.

Toner consumption:

- The significant rise in Toner consumption was due to a bulk purchase at a very advantageous rate, which was expected to result in a lower purchase volume in 2022.
- This forecast was confirmed in light of the toner purchase figures for 2022 relative to 2021

Fuel consumption:

- Fuel consumption was substantially reduced in 2022 by optimising vehicle route planning. The fuel and emission reduction objective is maintained for 2023, with plans for acquiring at least one vehicle with ECO emission rating.

Waste paper generation:

- There is no measurement of paper and cardboard disposal volumes. Correct separation of this type of waste is carried out and training has been given to employees. Disposal of waste paper and cardboard is made by taking all such waste to REPAGON, a registered waste disposal company.

Non-textile waste generation.

- Kolab has no control over the proportion of gloves that fail the tests or the number of vacuum anchor seals that require replacement, as this depends on the use made by clients of their equipment. We will continue to control disposal of this type of waste material.

Legal Requirements

On a yearly basis, **KOLAB ENSAYOS** identifies the new legal requirements applying to its organisation. At the same time, it assesses compliance with applicable legal requirements.

KOLAB ENSAYOS meets, or is in the process of ensuring compliance with, all the legal requirements applying to its organisation for the provision of its services, in terms of environmental and worker health and safety aspects.

There follows a list of the main legal requirements met by **KOLAB ENSAYOS**:

- Operating licence granted by the Leganés municipal authorities
- Application in process to obtain accreditation by ENAC (Spanish official accreditation body) as a Test Laboratory
- In the process of obtaining Industrial Registration as a Test Laboratory, contingent on the ENAC accreditation
- Industrial Identification by the Leganés municipal authorities
- Authorisation as a hazardous waste producer by the Community of Madrid

