



Environmental Performance Report 2020

IGEL Technology GmbH
Hermann-Ritter-Str. 110
28197 Bremen, Germany

Bremen, 30/09/2021

1 Introduction

The scope of this report is related on the German IGEL locations in Augsburg and Bremen. Both locations have a significant responsibility for the design and manufacture of IGEL products. The following environmental aspects will be addressed in this report:

- Water use (SDG 6)
- Energy use (SDG 7)
- Scope 1 and Scope 2 greenhouse gas emissions (SDG 13)

All of them are related on the sustainable development goals (SDGs¹, see title page) and the IGEL Code of Ethics.²

The environmental data for each of these aspects have been assured by the independent third-party ISO 9001 and ISO 14001 audits in September 2021 (verification of the IGEL Integrated Management System for Quality and Environment).

Based on this Management System IGEL has defined own goals (see Figure 1), which are addressed in this report for the environmental part.

IGEL Quality & Environmental Goals

- ▶ Increasing the usability and internationalization of the IGEL Management System
- ▶ 5% reduction of CO2 emissions per year
- ▶ Climate neutrality by 2020 at the locations Bremen, Augsburg and Reading
- ▶ 5% reduction of paper and toner consumption per year
- ▶ Introduction and implementation of a unified business continuity plan (BCP)
- ▶ Increasing the resource efficiency



Figure 1: IGEL Quality & Environmental Goals

¹ <https://sdgs.un.org/goals>

² <https://www.igel.com/company/vision>

2 Environmental Performance

2.1 Water Use (SDG 6)

2.1.1 Augsburg

After a decrease from 2016 to 2017 the consumption has been increased in 2018 due to higher number of employees (see Figure 2). The goal in 2020 has been achieved by the increased home office use caused by the Corona pandemic.

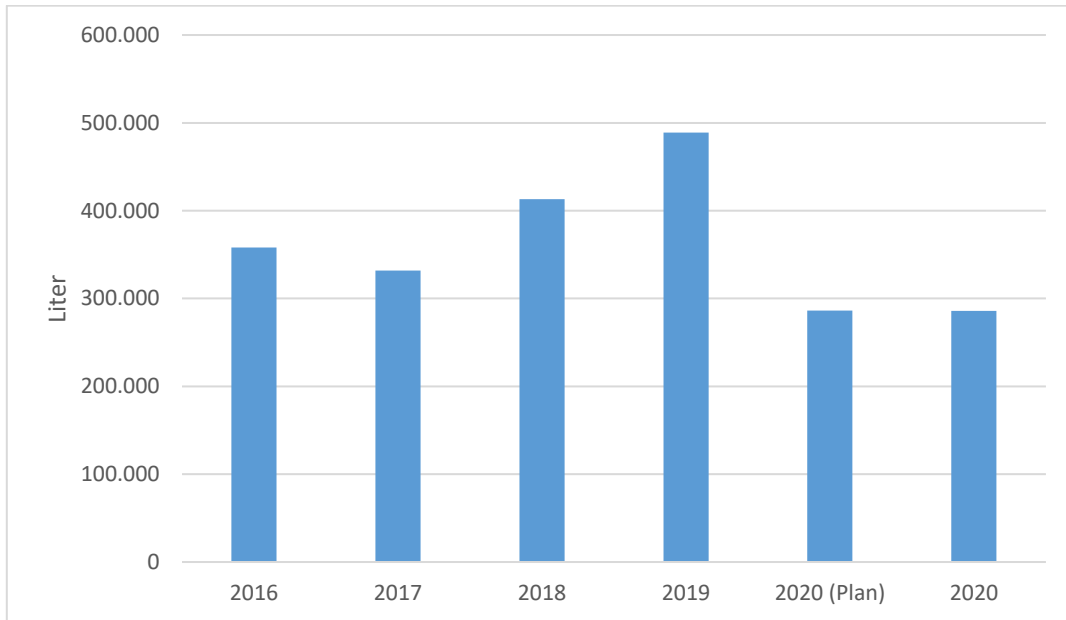


Figure 2: Water consumption Augsburg

2.1.2 Bremen

After a decrease from 2016 to 2017 the consumption has been increased in 2018 (see Figure 2). Main reason for this increase was the support of the IGEL air condition system during the summer 2018 season in Bremen. In 2019 there was a small reduction related on 2016. Like in Augsburg the strong reduction of water use was caused by the home office use in 2020.

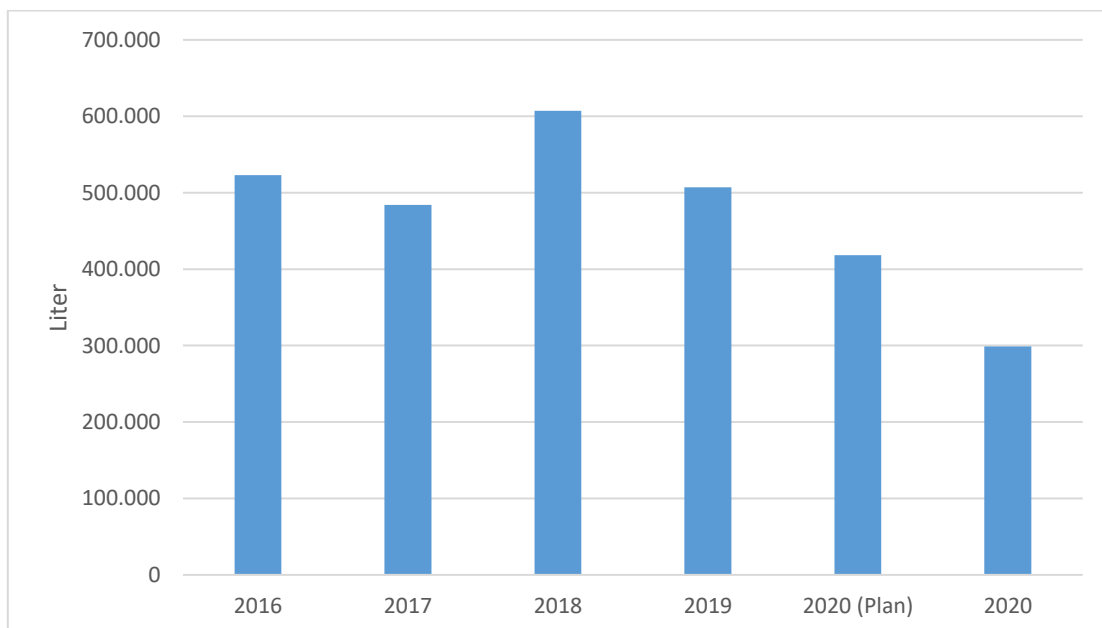


Figure 3: Water consumption Bremen

2.2 Energy Use (SDG 7)

2.2.1 Augsburg

The total energy use has increased since 2016 slightly. This is mainly due to the extension of the Research & Development part and computing power needed for development tasks. Additionally, the office space has been increased in 2018. In 2019 / 2020 there is a reduction of heating energy although the number of employees has been increased by 25%.

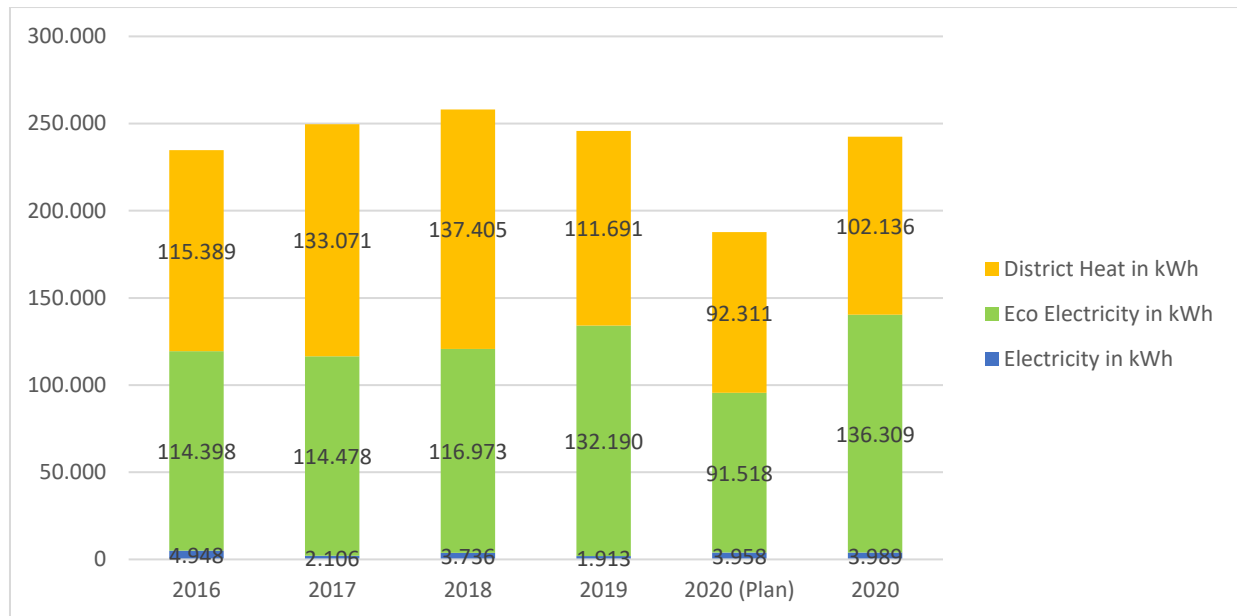


Figure 4: Total Energy Use Augsburg

2.2.2 Bremen

After a decrease from 2016 to 2017 the total energy consumptions has increased in 2018. One reason was the increased production of thin clients, additionally the warehouse temperature was regulated on a higher level due to a changed usage concept. In 2019 the controlling of energy consumption infrastructure has been improved. Due to a higher heating temperature within the warehouse, the consumption has increased in 2020.³

³ Caused by the Corona pandemic situation, assembly workplaces have been shifted into the warehouse in 2020.

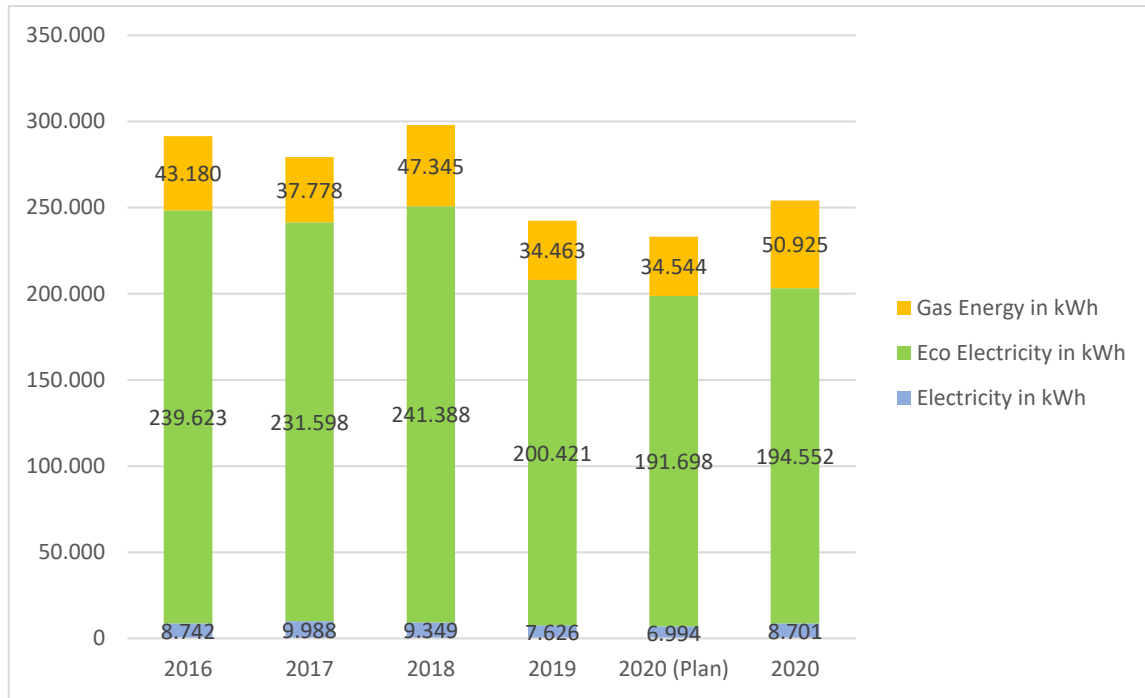


Figure 5: Total Energy Use Bremen

2.3 Air Emission (SDG 13)

2.3.1 Green-House-Gas (GHG) Scopes

Figure 6 gives an overview of GHG Protocol scopes and emissions across the value chain. This will be addressed in the following GHG emission assessment of the locations in Augsburg and Bremen.

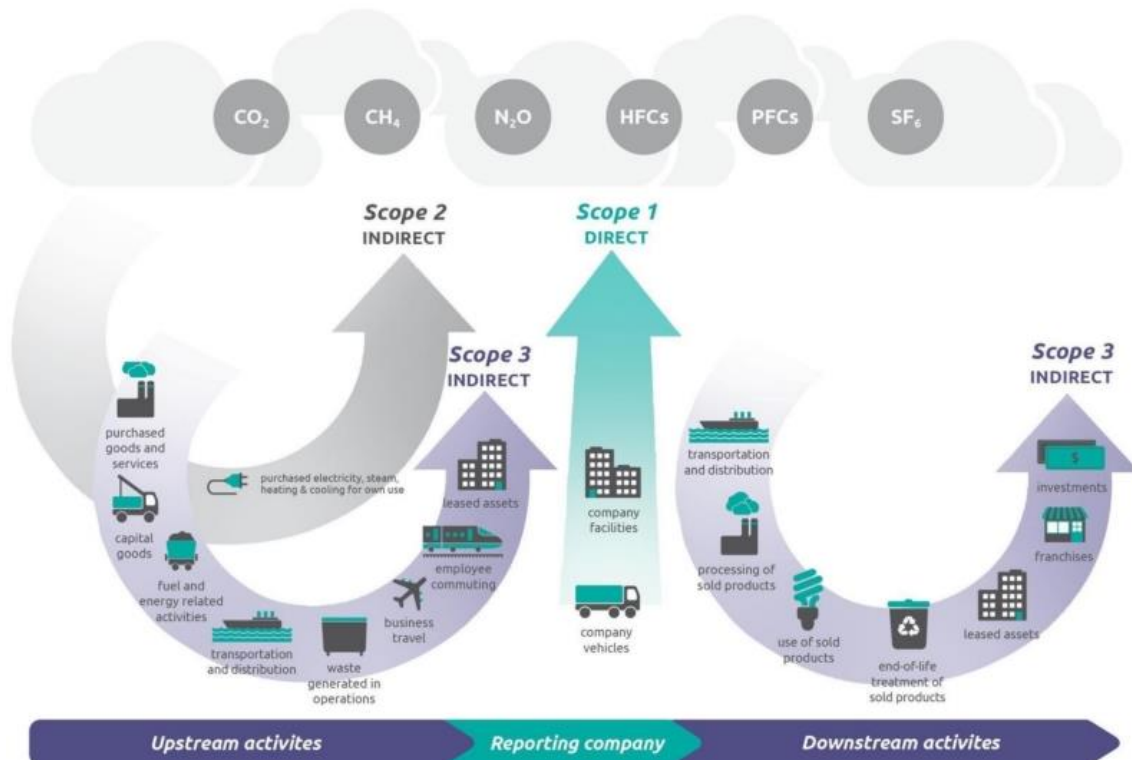


Figure 6: Overview of GHG Protocol scopes and emissions across the value chain (Source: GHG Protocol⁴)

⁴ https://www.ghgprotocol.org/sites/default/files/ghgp/standards/Scope3_Calculation_Guidance_0.pdf

2.3.2 Augsburg

In Augsburg, District heat (Fernwärme) for heating the building has the main impact on the GHG emissions. Other emissions (Electricity and Waste) are in lower level and have decreased in 2019. The goal of 20% reduction in 2020 has been nearly achieved.

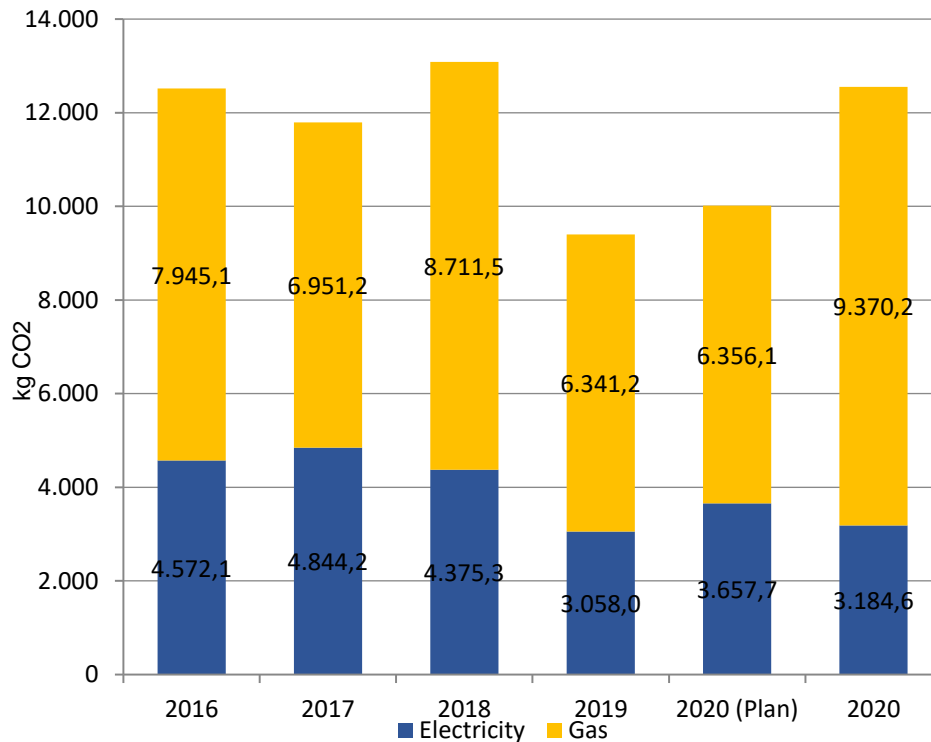


Figure 7: Scope 1, 2 GHG Emissions Augsburg Office

2.3.3 Bremen

In Bremen gas is in use for heating the warehouse. The offices are heated (and cooled) by electric driven heat pumps. Like in Augsburg mainly eco electricity is in use (carbon neutral). That's the reason for the low GHG rate in relationship to Gas.

Based on these measurements IGEL has reduced the GHG emissions and already achieved the goal in 2019. Due to a higher heating temperature within the warehouse, the GHG has increased in 2020 (see chapter 2.2.2).

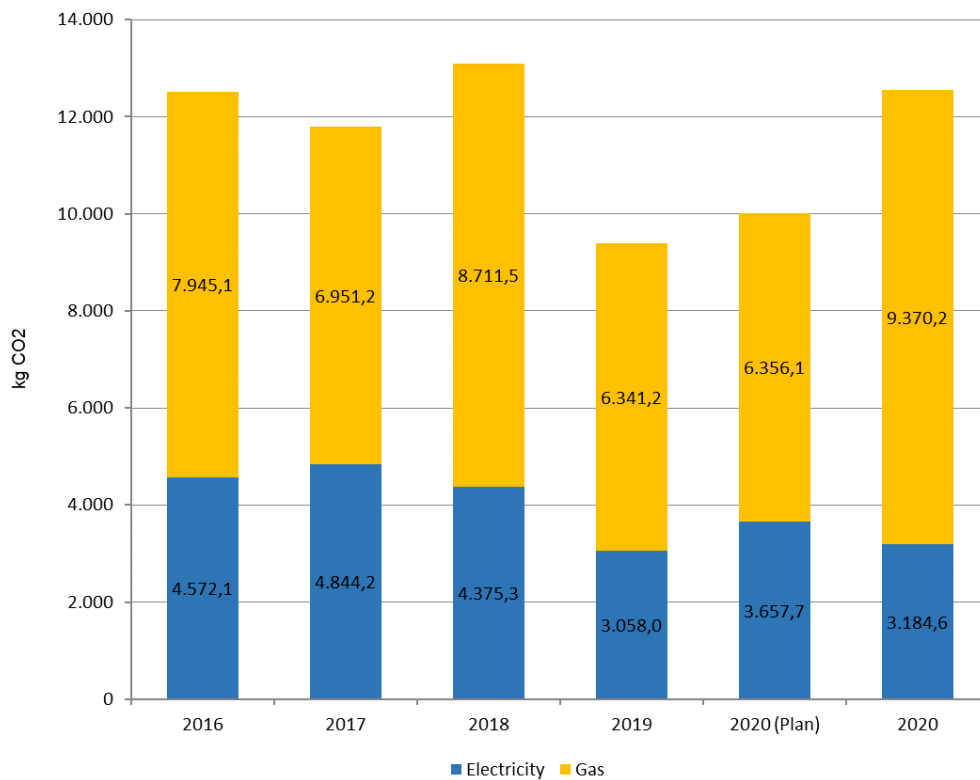


Figure 8: Scope 1, 2 GHG Emissions Bremen Office & Production

3 Conclusion

Due to the business growth of IGEL it was a challenge to reduce the consumption of energy until 2020 at the locations in Augsburg and Bremen. Therefore, the goals haven't achieved in 2020.

The water consumption is mainly related on the number of employees. The reduction plan 2020 has been overachieved due to the Corona pandemic.

Contact and further information:

Dr.-Ing. Martin Schnatmeyer
 Export Control & ESG Environmental, Social & Governance Engineer

+49 421 52094 1103
schnatmeyer@igel.com