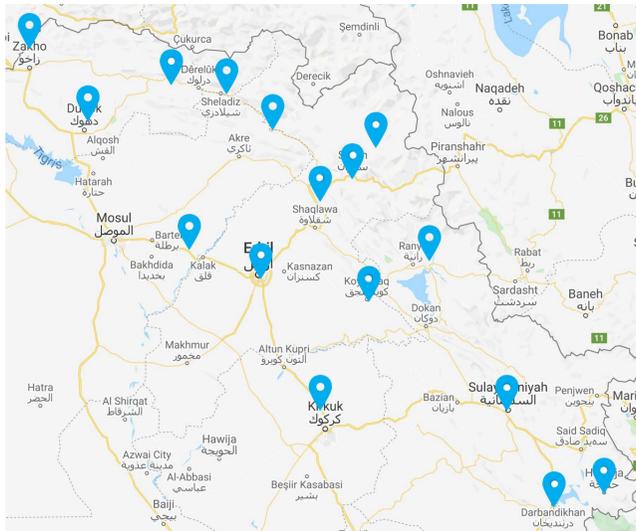


About Hasar

Hasar Organization is an independent registered non-government and non-profit organization based in the Kurdistan Region of Iraq. Hasar aims to deliver climate action projects across the Kurdistan Region of Iraq. From the beginning of its work, it has taken a special digital way of working with its staff. Which is working by Hybrid Office Management System (HOMS) that includes (Online home office working + Office working).

Hasar currently has employees and members from overall of the Kurdistan region.



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What Is The Problem?

Climate Change is happening due to increasing the concentration of greenhouse Gases (GHG)s in the atmosphere specifically Carbone Dioxide (CO₂), and (CH₄). Greenhouse gases trap heat and make the planet warmer. Human activities are responsible for almost all of the increase in greenhouse gases in the atmosphere over the last 150 years.

From observations, industrialization and the use of fossil-fuel-based automobiles are causing a drastic upsurge in GHG emissions out of which transportation is responsible for one-fifth of aggregate CO₂ emissions with 75% contribution from road transport. Electricity production generates the second-largest share of greenhouse gas emissions. Approximately 60% of our electricity comes from burning fossil fuels, mostly coal and natural gas.

However, with increasing population and energy demands all over the world, the chances of elevated CO₂ levels are most likely possible. Therefore, more stringent actions are required to control and limit the CO₂ emission into the atmosphere from transportation, electricity, and other energy-related sectors.

Make Solar Energy The First Choice

Generally, developed nations have higher carbon footprints and higher CO₂ emissions per country. This is largely due to their more robust energy industries, which burn large amounts of fossil fuels to provide electricity, which contributes greatly to emissions. Nations can reduce their carbon footprint in many ways. Methods often employed include generating electricity from renewable energy sources, one of the sources is using solar energy instead of fossil fuels.

Hasar Organization by working in Hybrid Office Management System (HOMS), can reduce CO₂ emissions from 4.01 kg to 2.51 kg of CO₂ during its daily work. This means by this style of working Hasar could reduce the rate of CO₂ emission by 1.6 times compared to the Traditional Office Management System (TOMS). In order to reduce the rate of emission, Hasar plans to use energy instead of coal power as a renewable source of electricity for its home pod offices, which is 20 times less than the output of coal-powered sources.



Home Office Working

Transportation reasons especially the use of cars are the main source of emitting CO₂ into the atmosphere. In the KRI a large number of employees that work in the general and private sectors, use the car for reaching their workplace. Hasar Organization can solve this problem by working with Hybrid Office Management System (HOMS).

Currently, 46% of Hasar staff work online at home, which means they don't need to use cars to go to work. Which has caused a decreased range of CO₂ emissions by Hasar's staff from 92.74 kg to 34.69 kg of CO₂ during its daily work. With this style of working Hasar could reduce the rate of CO₂ emission by 2.67 times compared to the Traditional Office Management System (TOMS) where all of its employees are working in an office.

In providing a suitable environment for working online at home, in a way that there will be no interruptions, and no electricity, heat, coldness, and noise problems. In the near future, Hasar Organization wants to use a special type of Pod home office, that requires very little area, and all the needs of working are provided inside it.



Conclusion

To see the difference between the emission outcomes for Hasar Organization as an example in the case of the Hybrid Office Management System (HOMS) with Traditional Office Management System (TOMS) that all of its employees are working in an office. Since the HOMS is partially home-based, installing solar energy for daily work for its employees would be a viable option, therefore, the HOMS in two ways emits less carbon dioxide; first, in transportation, and the second in using electronic equipment.

The annual CO₂ emission that comes from transportation for HOMS is 12.66 tons and for TOMS is 33.85 tons. Furthermore, the annual CO₂ emission that comes from electricity for HOMS is 0.916 tons and for TOMS is 1.463 tons.

We can conclude that working with HOMS is a significant method for fighting climate change since less CO₂ will be emitted into the atmosphere.

