



HEATWAVES AND THE SURGE IN AC USAGE WORLDWIDE



Understanding the Vicious Cycle of CO₂ Emissions:

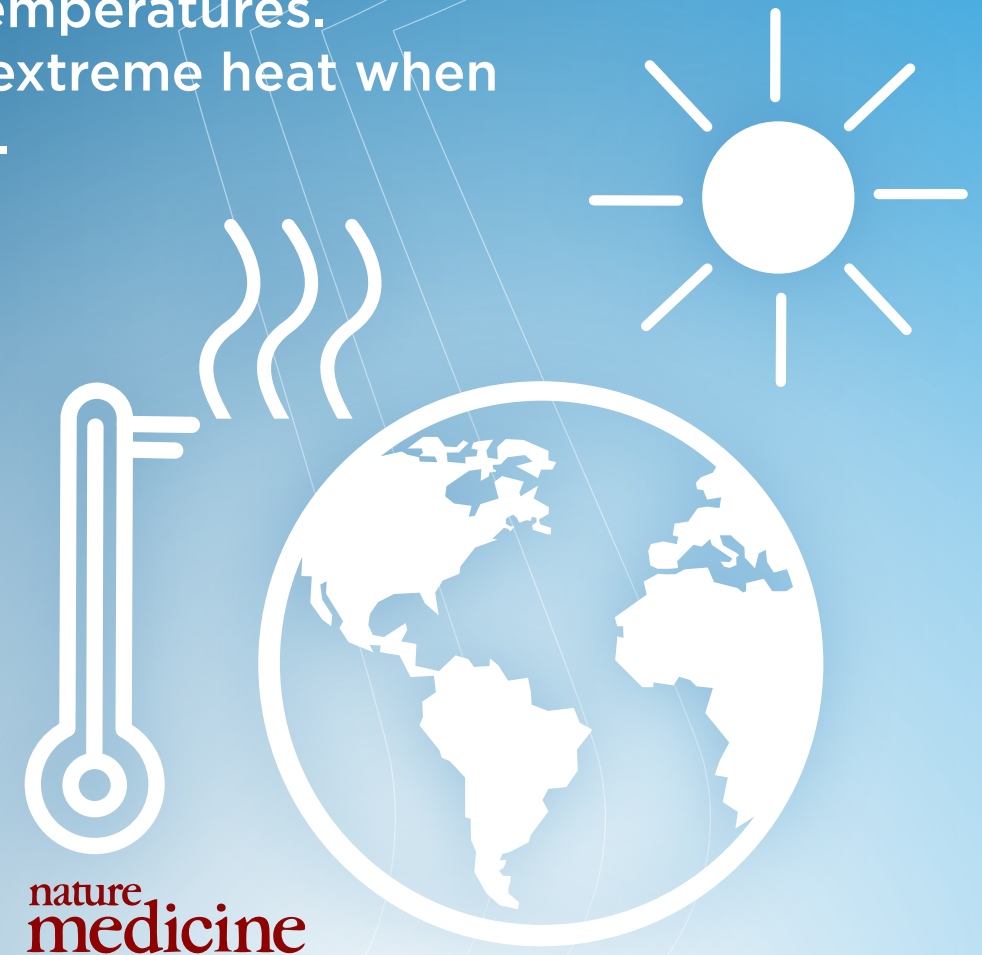
**Sensibo Data Analysis Report
Summer 2022-2023**

Recent Heat Waves



Recent years have witnessed a dangerous increase in the frequency and intensity of heat waves worldwide, leaving people seeking refuge from the scorching temperatures. Europe and the US west coast, in particular, faced the wrath of extreme heat when record-breaking temperatures were recorded in various regions. Tragically, these heatwaves had devastating consequences, with researchers attributing over **61,000** deaths in Europe to the extreme heat of summer 2022.

In response to the escalating heat and its consequences, Sensibo undertook a data analysis to understand the impact of heat waves on AC usage. Relying on data from **350,000** connected devices worldwide



Data Analysis Results



Sensibo's Data analysis demonstrates a significant increase in AC usage when comparing between summer 2022-2023: examining the period between June 15-July 15, 2022 to the same period in 2023, we witnessed the following results:

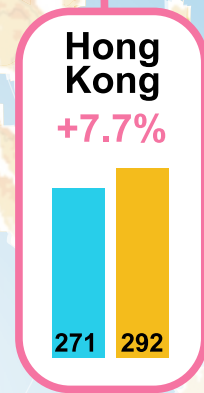
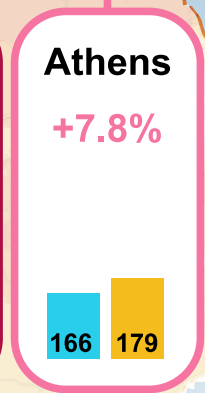
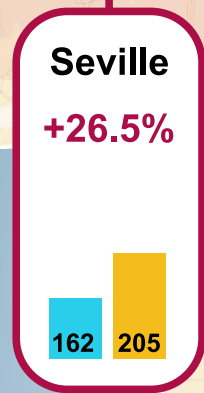
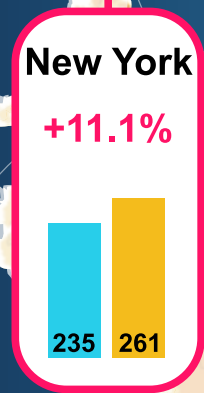
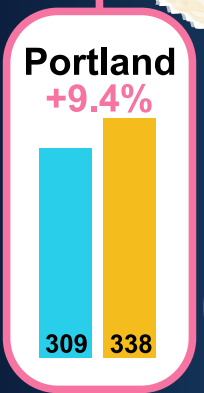
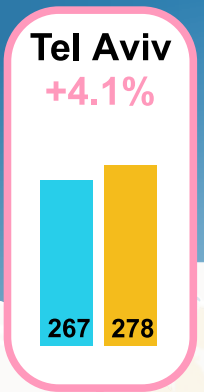
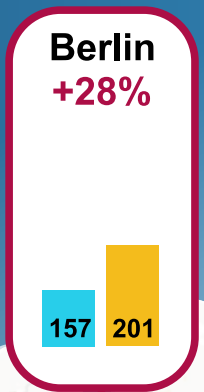
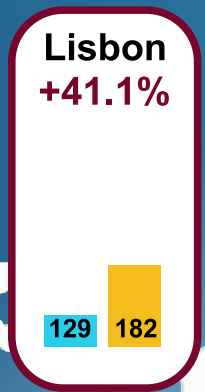
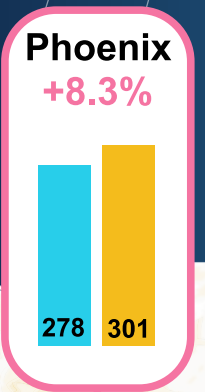
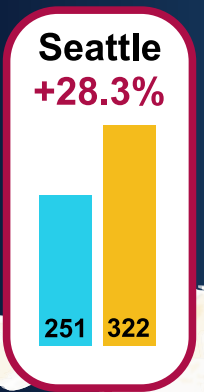
- 41% increase of AC usage in Lisbon,
- 28.3% in Seattle,
- 28% in Berlin,
- 26.5% in Seville,
- 11.1% in New York City,
- 9.4% in Portland,
- 8.3% in Phoenix,
- 7.8% in Athens,
- 7.7% in Hong Kong,
- 4.1% in Tel Aviv.



* hours - average number of hours the AC was turned on by household

* 2022/2023 - between 15.6 - 15.7 2022 compared to 15.6 - 15.7 2023

Average Hours AC Was Turned On



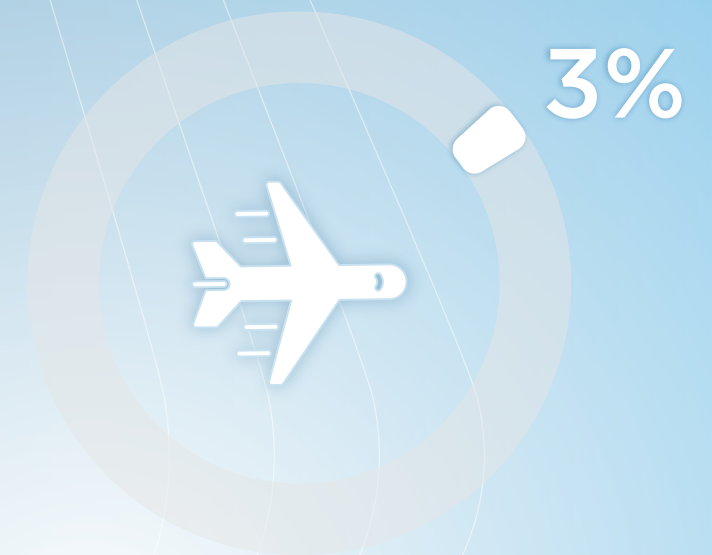
Hours
2022
2023

* hours - average number of hours the AC was turned on by household
* 2022/2023 - between 15.6 - 15.7 2022 compared to 15.6 - 15.7 2023

The Global Energy Consumption of ACs



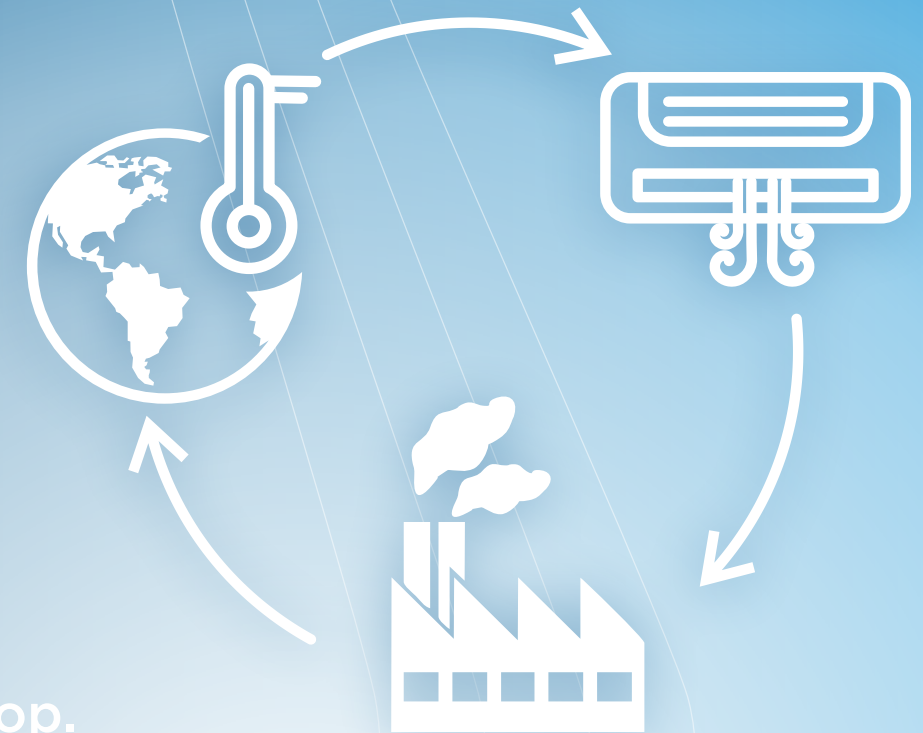
Did you know that Heating and Cooling devices are responsible for 25% of the world's energy consumption? For comparison, cars account for approximately 12% of total energy consumption, and airplanes, account for a mere 3% of overall energy consumption.



The Vicious Cycle of AC Usage



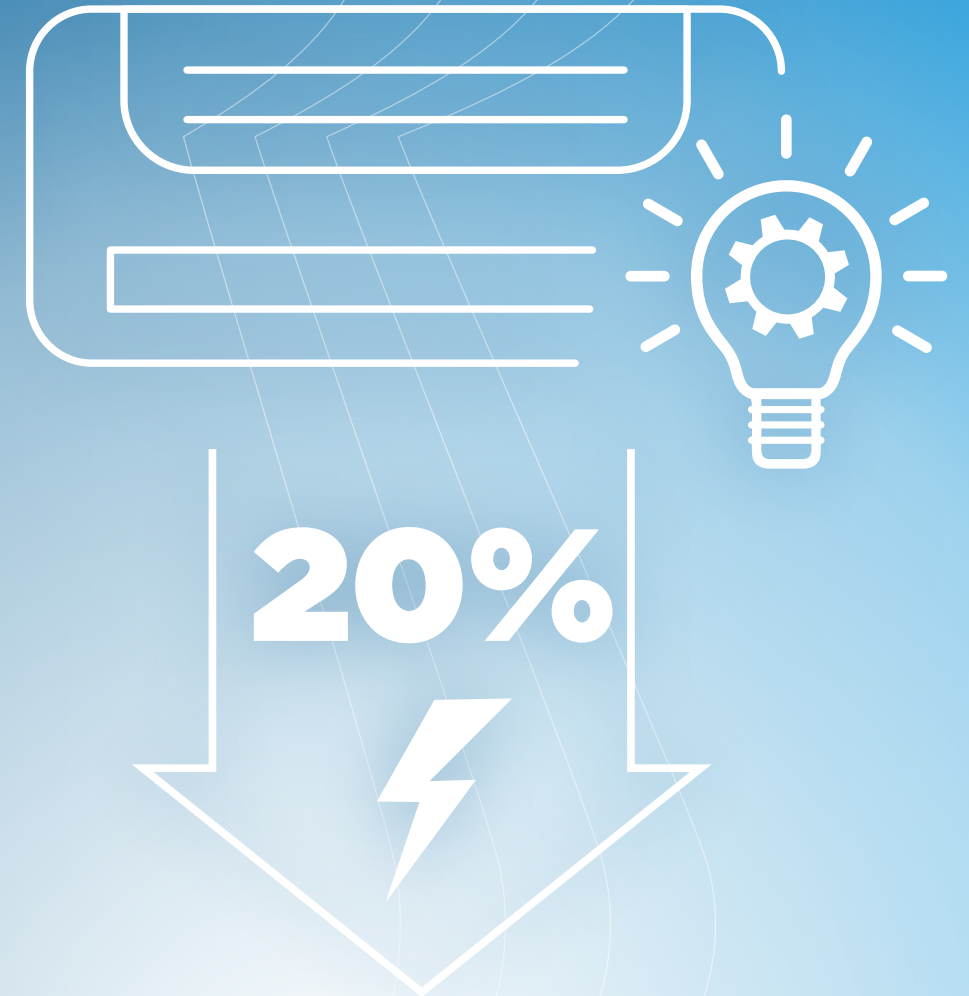
The Vicious cycle of AC usage perpetuates an ecological problematic loop; as people rely on their air conditioning, it engulfs significant energy, resulting in heightened carbon emissions. These emissions, in turn, contribute to the escalating heat of the planet, compelling people to increasingly resort to their ACs, further amplifying the emissions, thus ensnaring humanity within a vicious cycle environmental loop.



Why Smart AC is Important



Sensibo turns any AC into a smart device that recommends the most suitable temperature, turns on and off when leaving a room, reports when the AC needs to be cleaned etc. **Sensibo** has been able to decrease AC energy usage by an average of 20%, without compromising on the home's climate and comfort, thus reducing emissions and energy bills.





For more information contact us
marketing@sensibo.com

Follow us

