



GLEETECH.

CASE STUDY

upto **25%** reduction of
power bill for
a client with **10** factories

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OVERVIEW

A manufacturing company having 10 factories wanted to predict the energy demand of their factories in order to reduce their power consumption cost by negotiating a better pricing plan with the utility companies.

GleeTech provided an AI solution for forecasting energy demand consumption for their special requirements and helped the client to reduce their electricity bills **upto 25%**.

SOLUTION

GleeTech provided a real-time AI solution to the client which monitored the energy consumption of the factories and forecasted the peak demand for that factory.

The solution was based on Gaussian process regression which used the energy consumption data, temperature data and previous historical data. The solution was predicting the hourly, daily, weekly and monthly energy consumption and was continuously improving its prediction by looking at the difference (error rate) of the previously predicted values and the actual values.

RESULTS

1. The AI model were fine tuned for the factories and had **93% accuracy** for predicting the energy consumption.
2. The client was able to **reduce uptil 25% of the electricity bills** by turning off the extra machines to manage the peak demand for the energy in the factory.





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