Challenge 3

Future proof power consumption prediction

The world of energy supply is changing: it is volatile and influenced by ever-changing regulations, societal conditions and consumer behaviour. The expansion of renewable energy and the shift from consumers to prosumers have significantly changed electricity consumption. Our existing methods of forecasting consumption, based on historical data, are proving increasingly inadequate and time-consuming. Inaccurate forecasts have a high economic impact.

We would like to invite you to take on the challenge of radically modernising our existing electricity forecasting procedures. We are looking for an automated solution based on current and meaningful data, such as publicly available data. The solution should be able to continuously adjust data and forecasts to reflect unforeseen events and societal changes. It is important that customers can be grouped into different clusters to improve predictability.

At the technology level, we are particularly interested in approaches that use algorithms and machine learning to improve the long-term accuracy of electricity consumption forecasts, realise procurement benefits and generate cost savings for customers.

About Energie AG

Energie AG Oberösterreich is a modern and efficient energy and services group. As a provider of electricity, gas, heat, water as well as waste disposal and ICT services, Energie AG stands for the highest quality and reliability of our products, processes and services.

As an infrastructure group, we supply more than 450,000 customers with electricity via the 30,000 kilometres long high and low voltage network. We operate more than 70 power plants (such as hydroelectric, photovoltaic plants, wind) following the highest ecological standards.

Deadline

Please make sure to submit your challenge entries by January 16, 2024.

We look forward to receiving your application and if you have any questions, please don't hesitate to contact the startup challenge team!