

# Challenges with net load forecasts: coupled effect of meteorological uncertainties and lack of visibility of behind-the-meter PV systems

## • Our intention

- Identify key factors influencing the net load and study their cumulative effect on day-ahead forecasts
- Use advanced analytics to recognize patterns and trends in the data
- Apply our state-of-the-art model to improve accuracy and efficiency of forecasts

## Our focus

- Allowing interpretability and transparency of the final fine-tuned model
- Providing insights and recommendations to utilities, system operators, power plant owners and other stakeholders

## Our model

- We apply a combination of advanced statistical techniques and machine learning algorithms
- Provides a range of possible outcomes – allowing the system operators to make informed decisions by optimizing the use of available resources

## Our achievements

- Accurate representation of uncertainty
- Reducing the risk of power outages
- Enhanced cost savings
- Increased energy security
- Improved customer satisfaction