

# Demand Forecast Project

Forecasting of daily electricity consumption is key metric hence influence plan of production and later trading with electricity on open market.

## Project Objectives

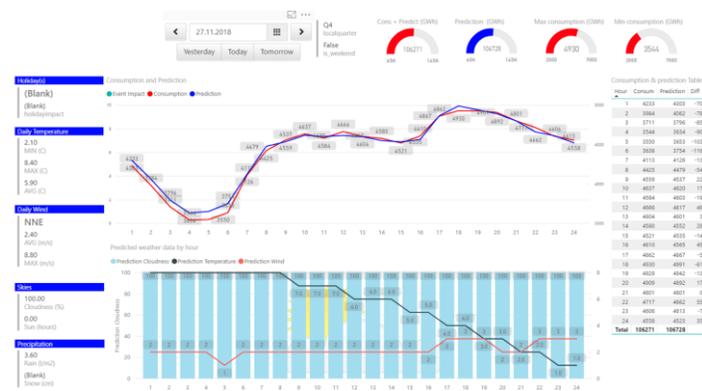
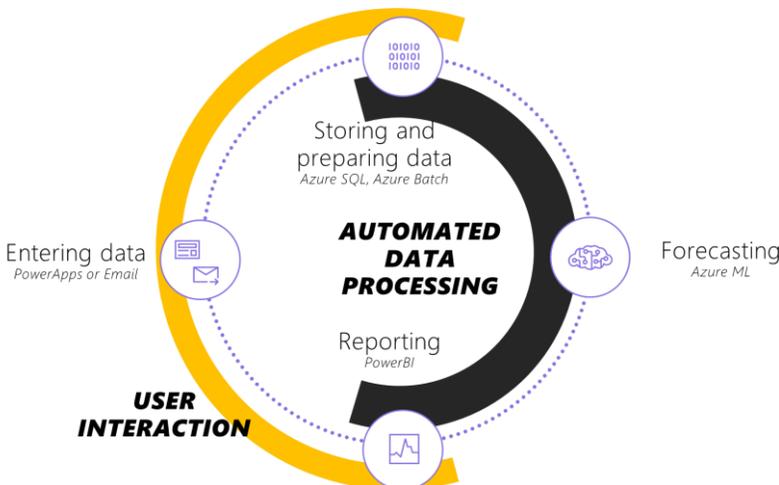
- Build as most accurate as possible electricity demand forecasting model
- Extend forecasting period up to 14 days
- Simplify data entry forms and report representation

## Project Scope

- Build forecasting model based on the customer meteorological data
- Analyze spikes not forecasted by the POC model
- Propose additional factors influencing the forecasting model
- Try to increase model accuracy with additional factors
- Continuous improvement of dataset through several iterations

## Why customers use Azure?

- Pay as you go
- Scale to your business needs
- Create VMs in minutes
- Enables you to manage petabytes of storage
- Geo-redundant storage
- The fastest performance in the industry
- Easily extend your on-premises IT environment into the cloud



**Business value** - Decrease money loss to electricity overproduction or money loss to urgent electricity production to match actual market demand. Customer wants to have as accurate as possible demand forecast to issue orders to electricity production plants. In case if the customer miss forecast it should pay for extra energy produced or pay extra price for energy produced on the last minutes order.