FlashForward – AutoDelphi Team

Steps

Solar Irradiance Prediction
We begin with a model for predicting solar irradiance

Demand Forecasting
We combine this with demand forecasting based on historical data

Sensor Fusion approach
We use an approach akin to sensor fusion to interpret multiple signals together

Deep Learning
We use deep learning to make best possible use of our signal data

We use a **probabilistic framework** backed and constrained by physics knowledge and data

Benefits

ACTIONABLE INSIGHTS

The output of our model allows users to make decisions based on actionable insights: probabilistic, but specific predictions that allow for downstream risk assessment or optimization.

USER ADJUSTABLE

The user can enable or disable certain constraints as they see fit.

FEEDBACK MODEL

We use ground truth as it becomes available to incorporate into our predictions for additional accuracy.