



EirGrid Group Customer Conference 2012

25th October 2012

Delivering the Power System of tomorrow



ServusNet



knowledge is power

Wind Energy Forecasting

*“The more you understand what is wrong with a figure,
the more valuable that figure becomes.”*

(Lord Kelvin, 1824 – 1907)

Big Lie: “You Can’t Depend on Wind Energy”

- **In Theory:**

- Free & abundant Fuel
- No Emissions

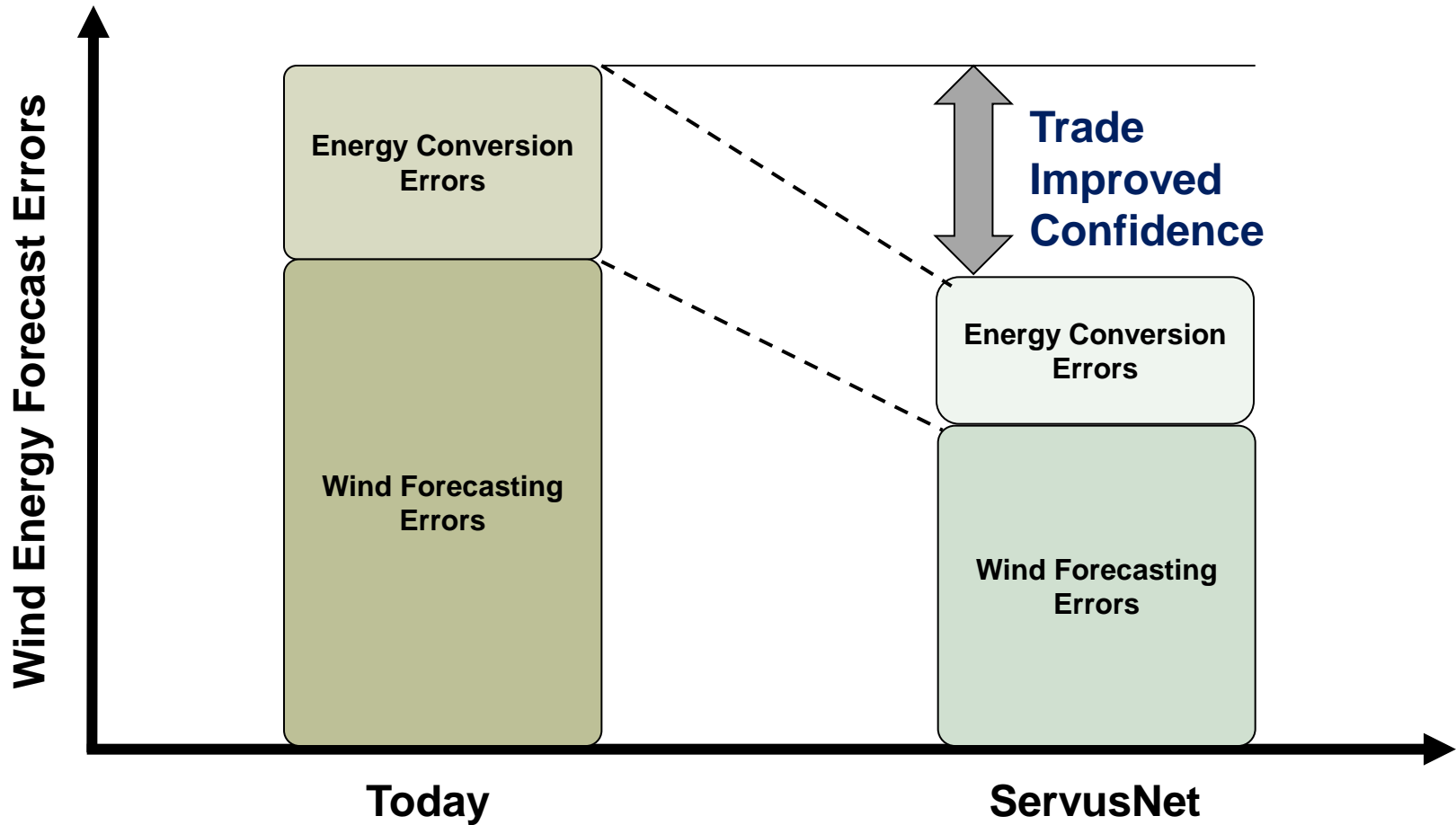
- **In Practice:**

- Intermittent Generation \neq Demand
- Intermittent Generation Difficult to Predict

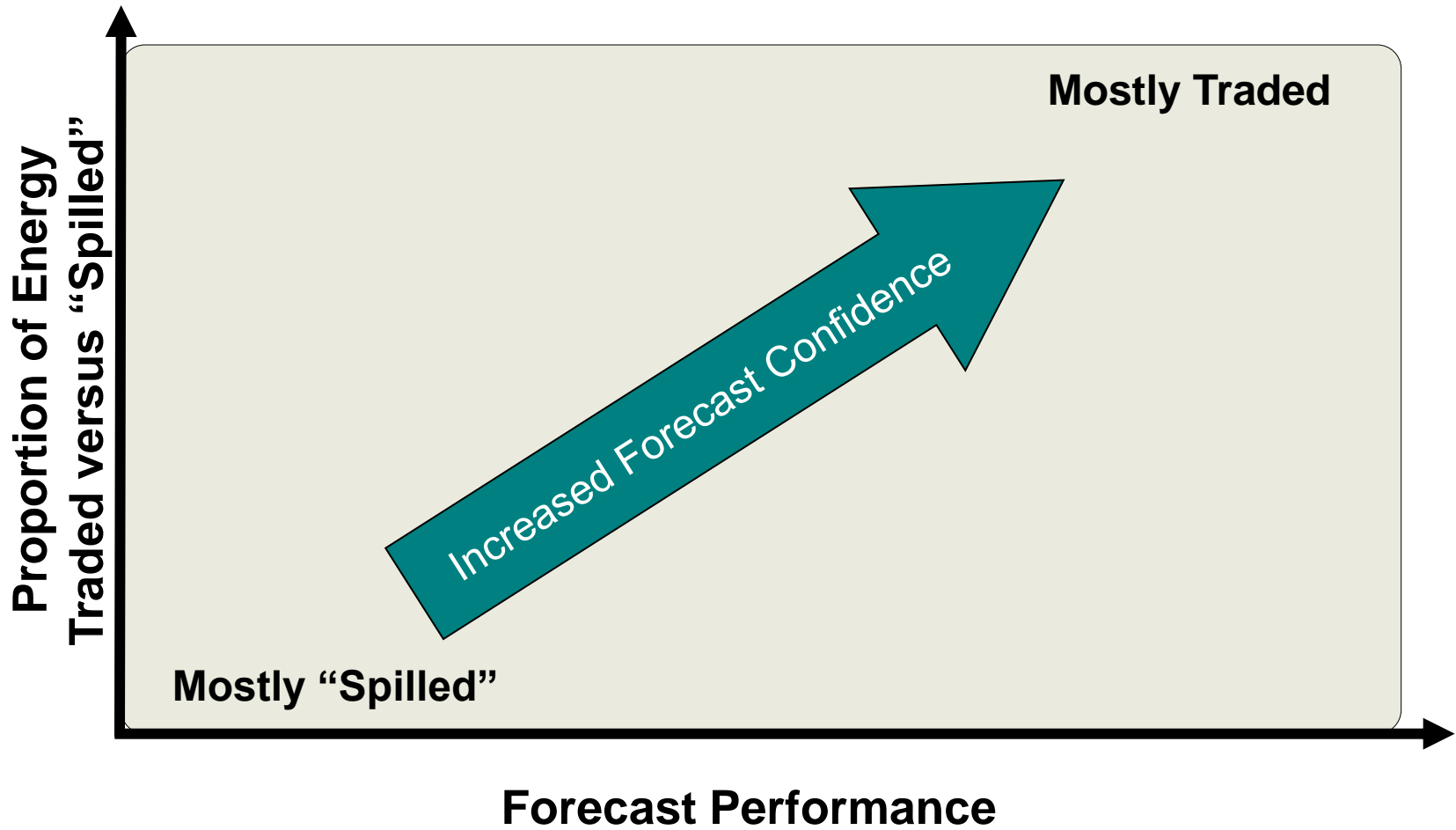
- **In Effect:**

- “Just In Case” Grid Management
- Don’t Risk Forward Energy Markets

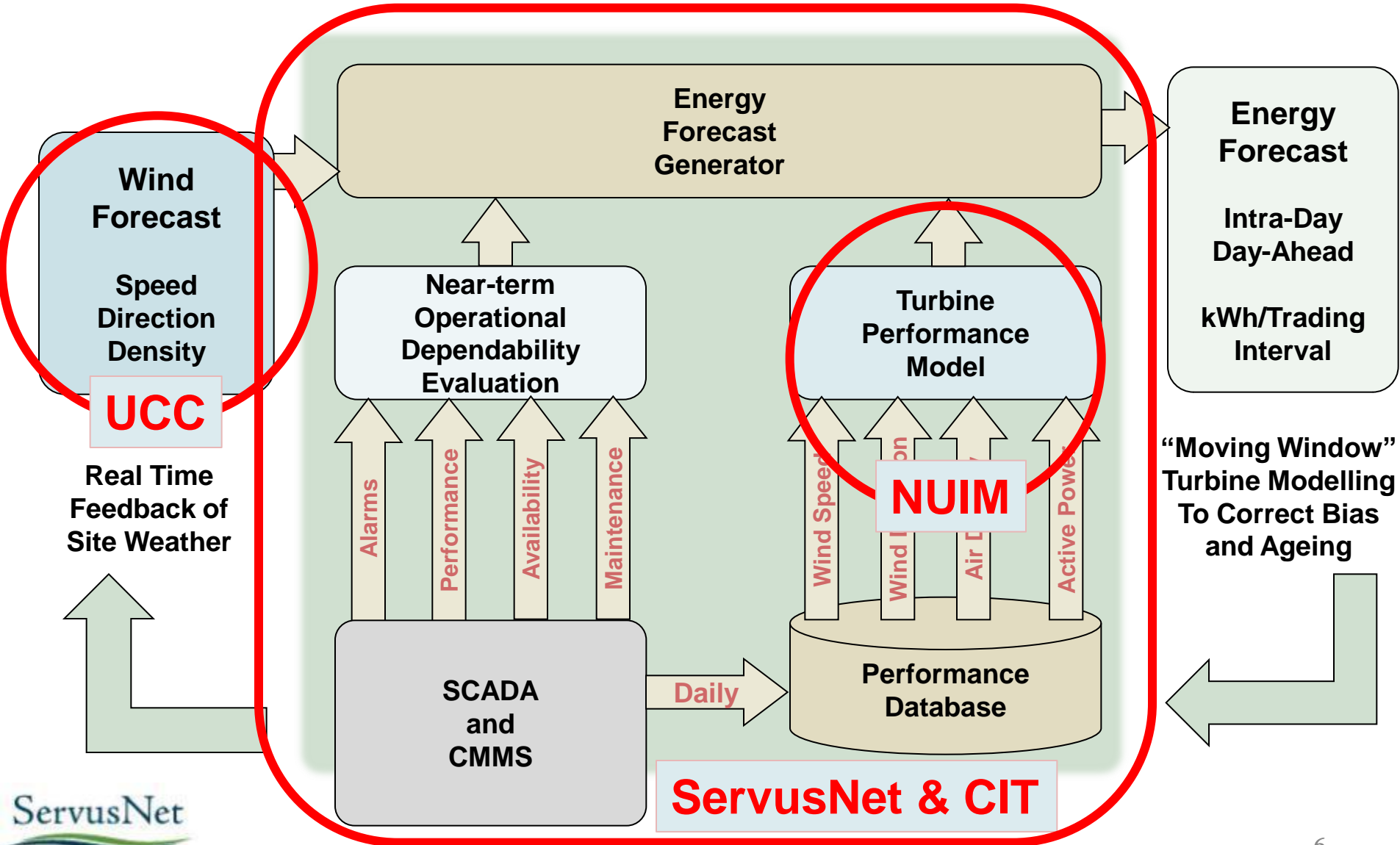
Errors in Wind Energy Forecasting



Opportunity



Energy Forecasting Framework



Why ServusNet's Wind Energy Forecasting?

- **Customer Benefits:**

- **Adds up to €10 per MWh in markets such as GB & Spain**
- **Cloud Hosted Solution**
- **Fee-Based Service**

- **Macro Benefits:**

- **Improves economics of wind generation & brings closer to grid parity**
- **Enhances ability of grid operators to absorb higher levels of wind & reduces need for reserve generation**