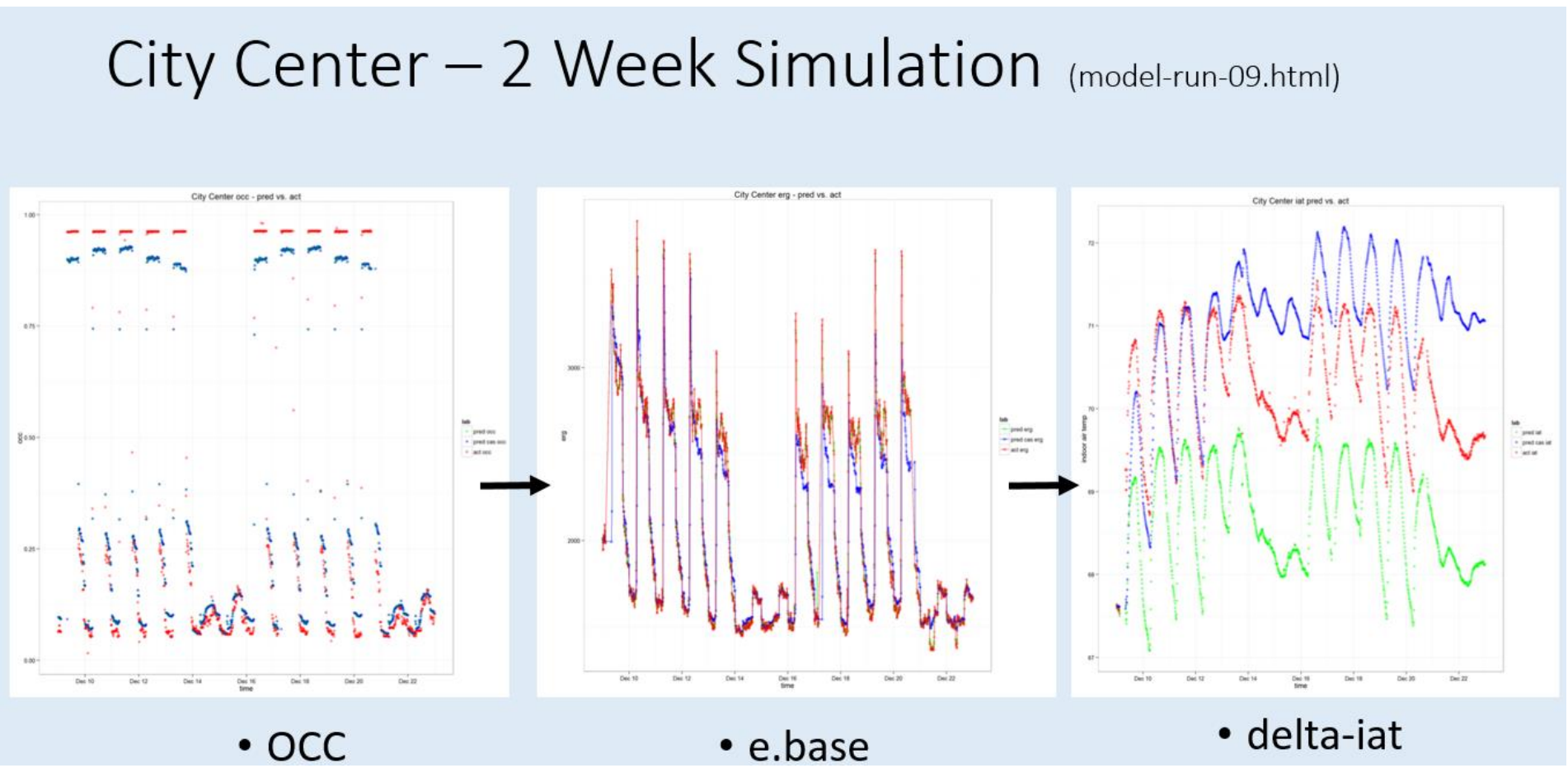
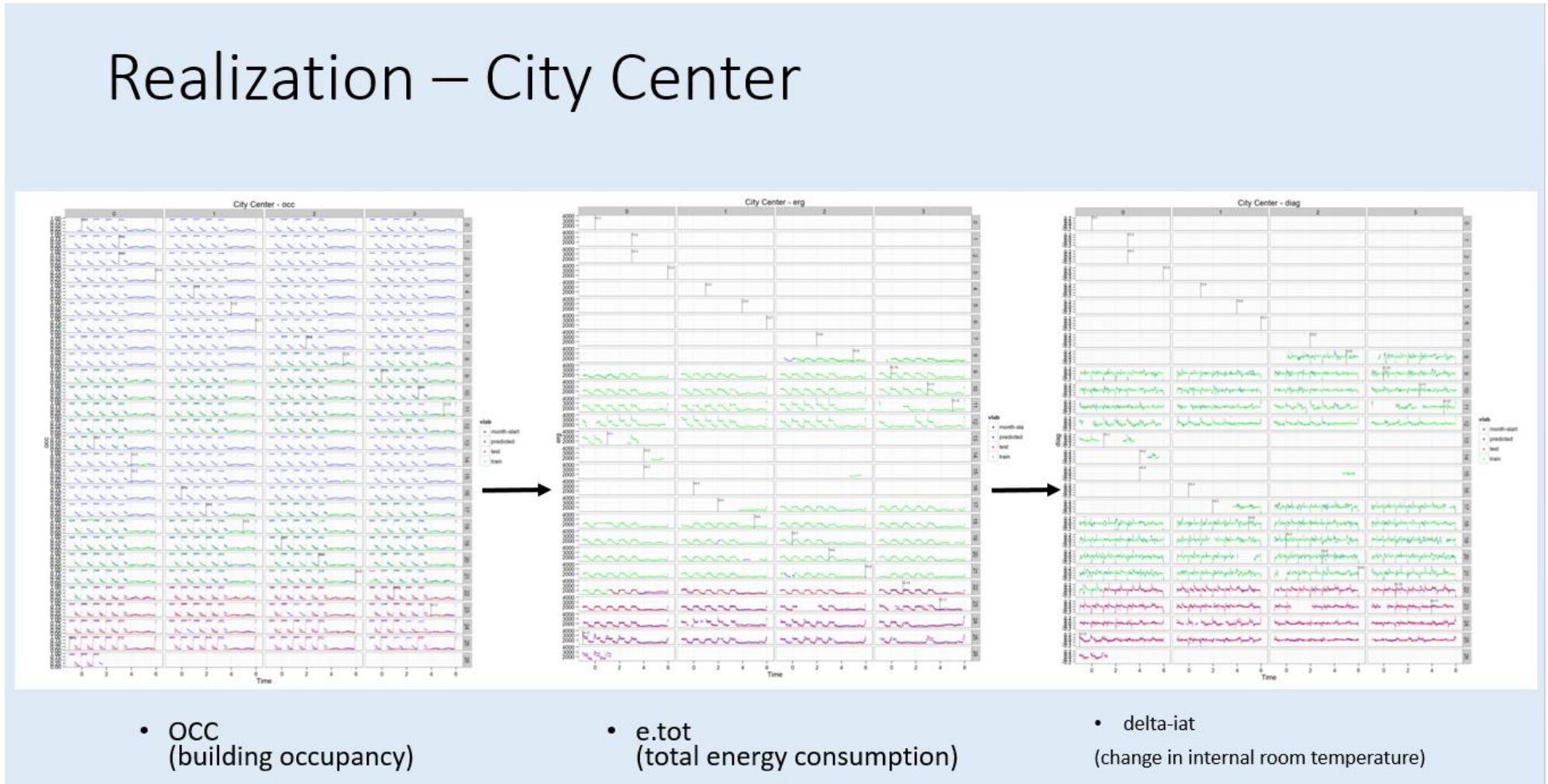
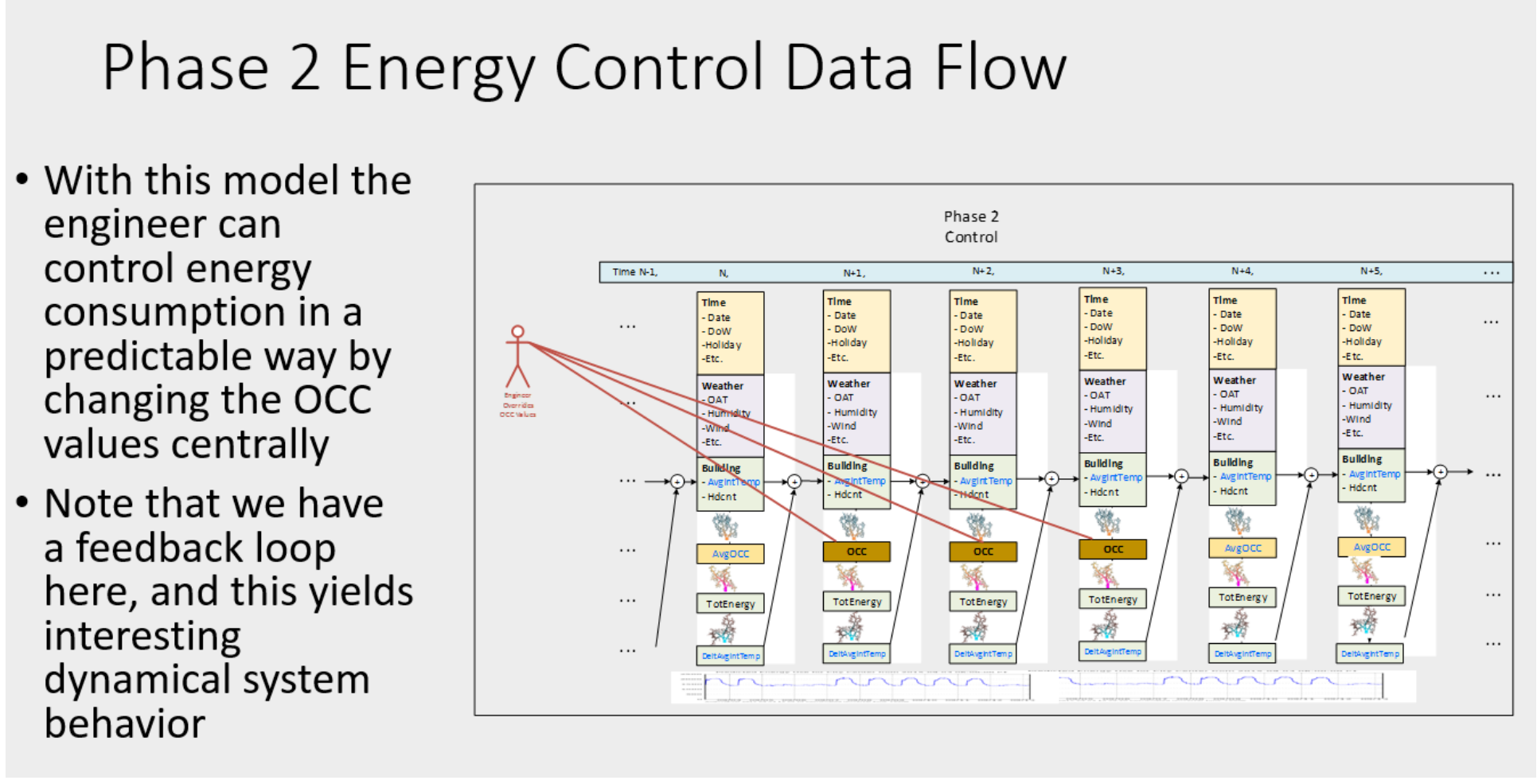
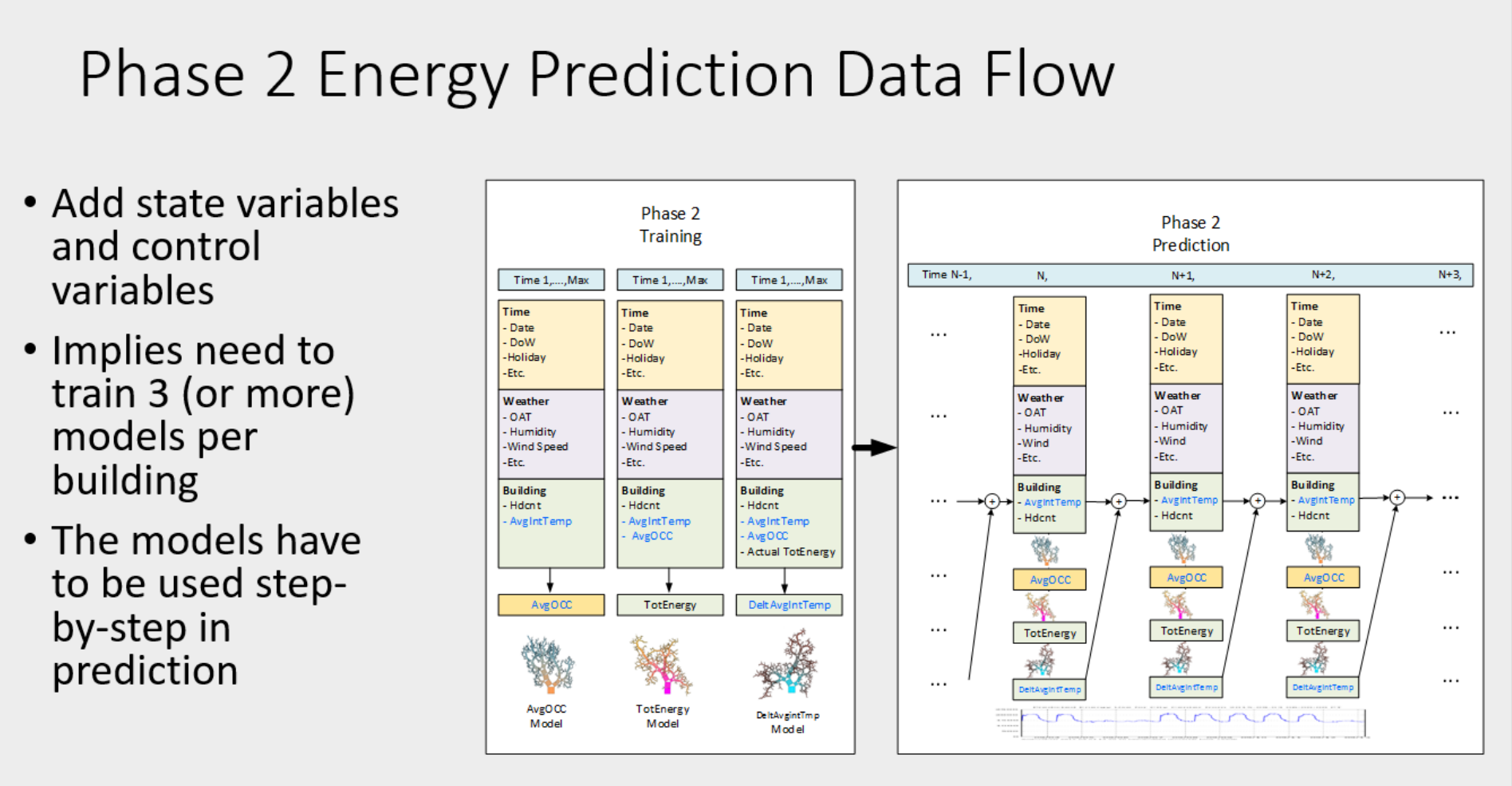
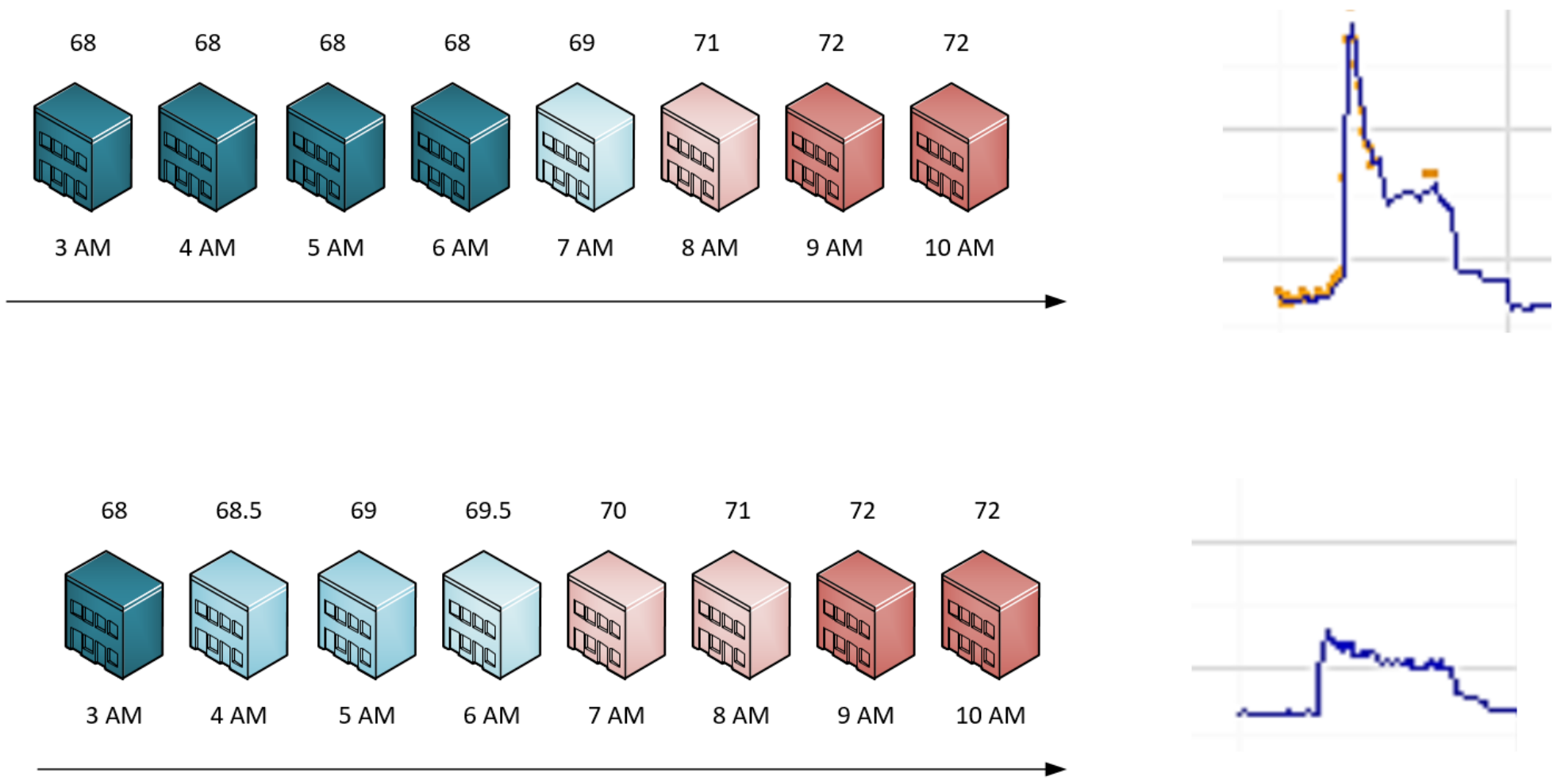
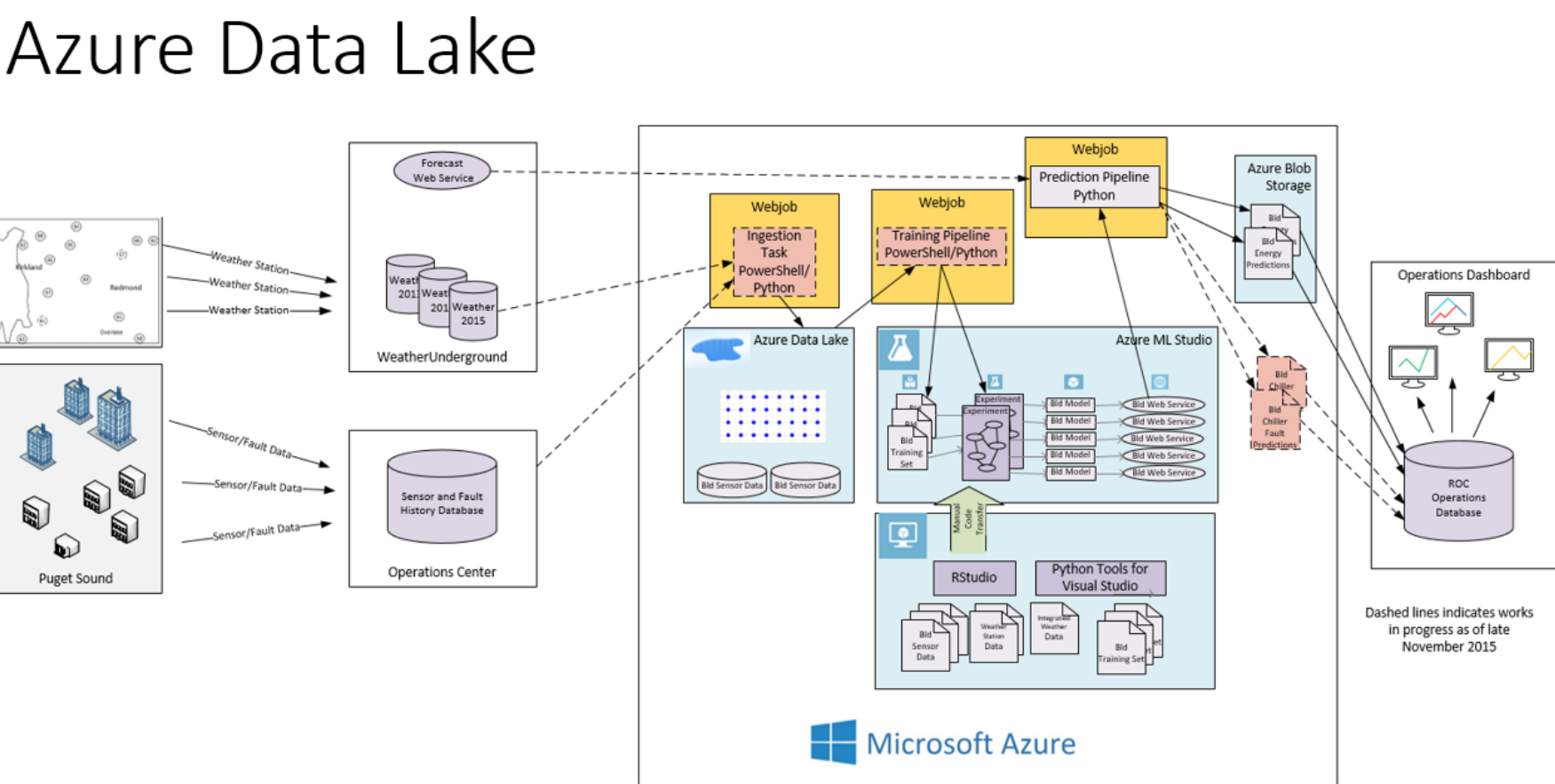
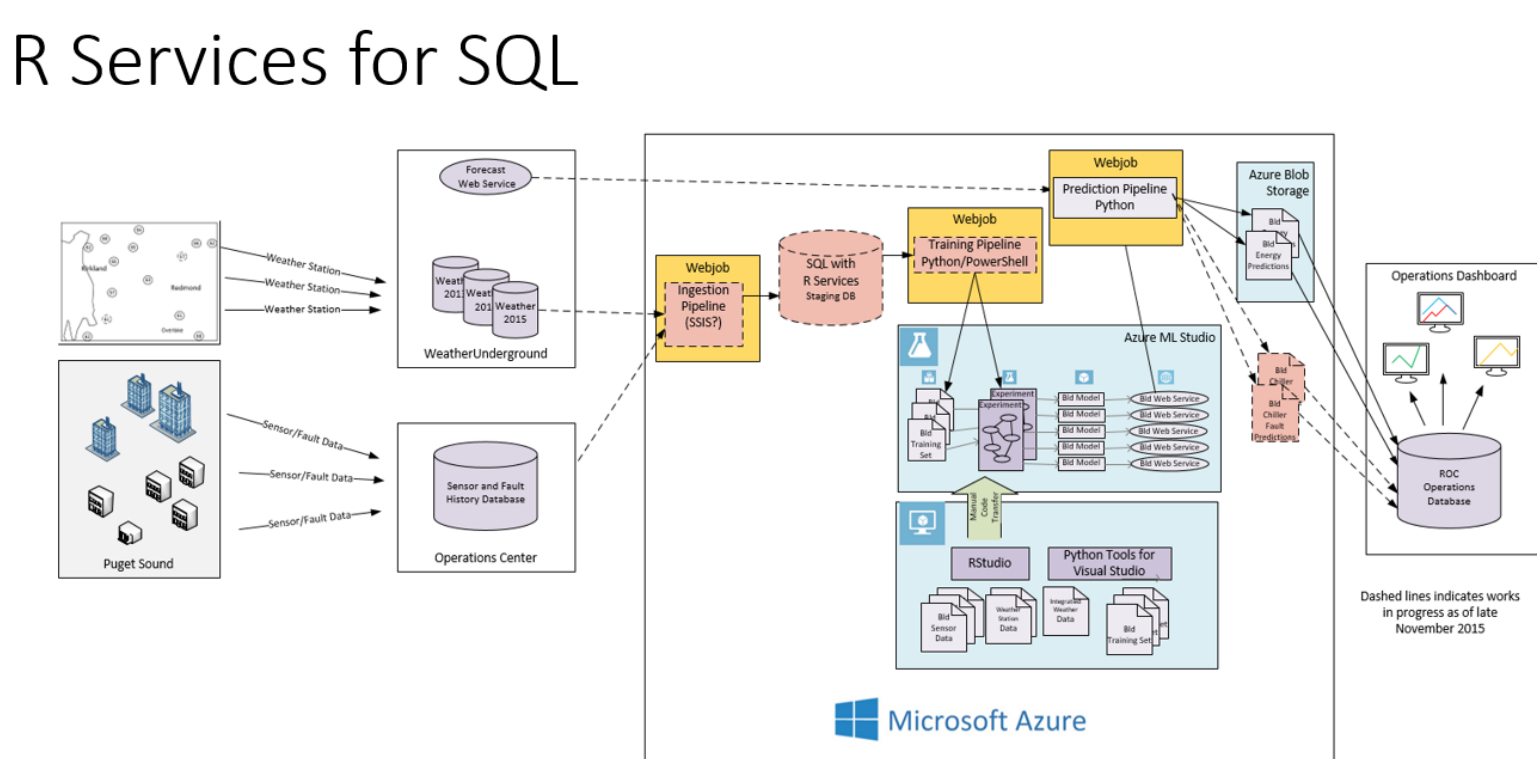


Predicting Energy Usage for 88 Acres – Phase II

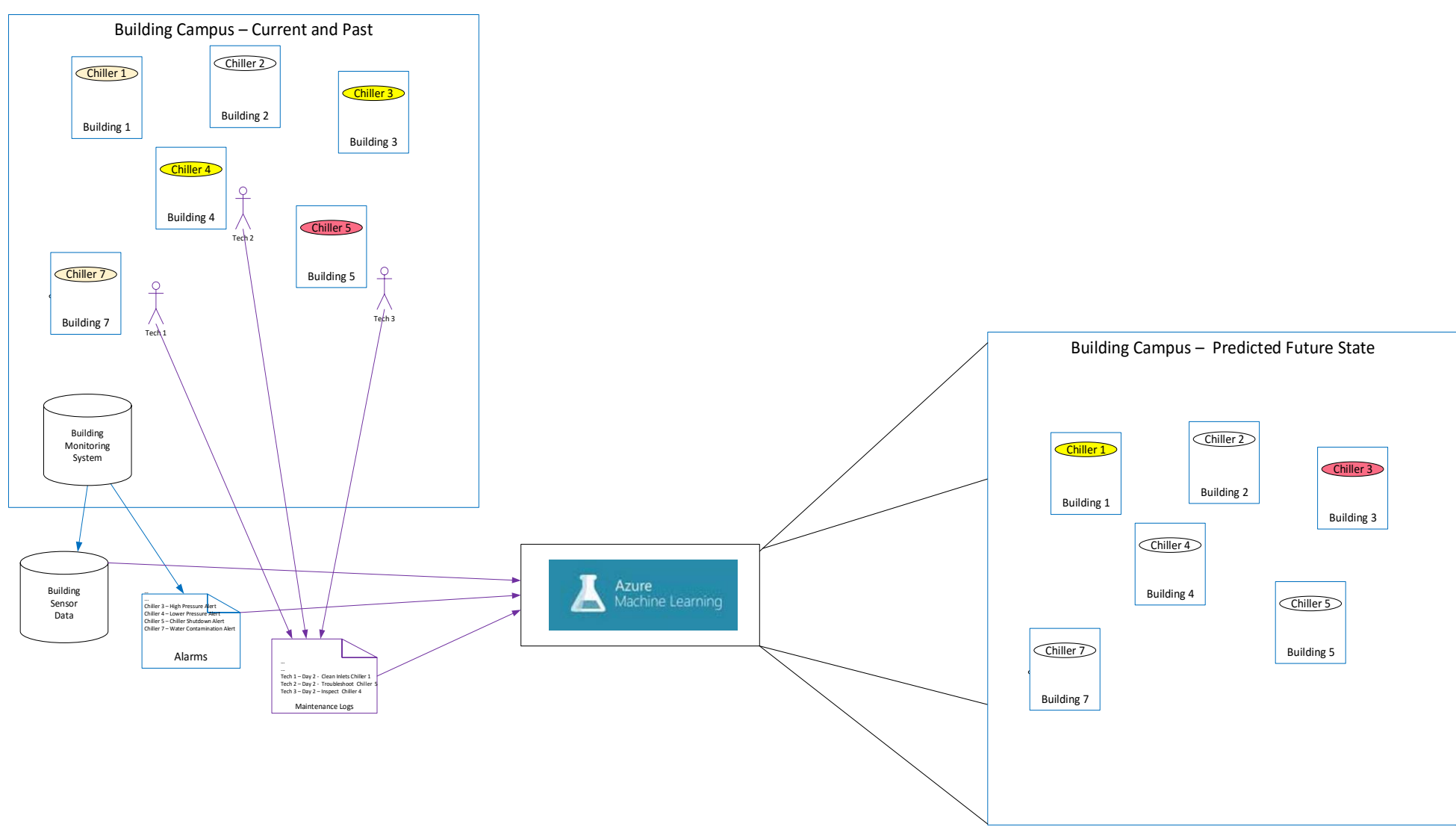
Command-and-Control: Controlling building energy consumption



Deployment Options



Predictive Maintenance



Multiclass labels and data statistics

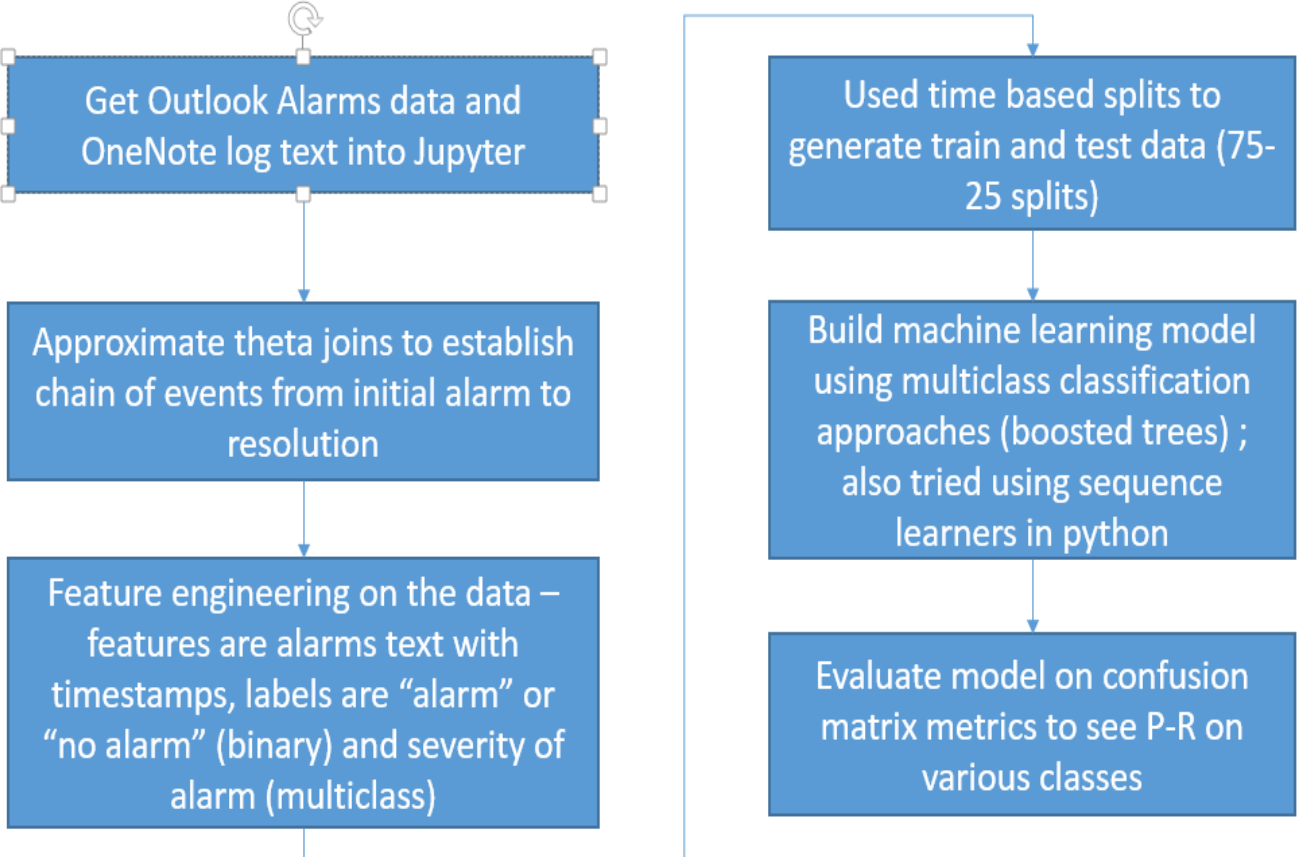
NOTE : The severity interpretations are subjective.

- Severity 1 : extremely severe (like a chiller breakdown)
- Severity 2 : data center alarms
- Severity 3 : Others (interpreted as not an immediate danger in any way)
- Severity 4 : No alarms

2 examples of Severity 1
8 examples of Severity 2
Remainder 91 examples Severity 3

Total number of data points : 1918 (Alarms + non-alarms)

Workflow



Results - Multiclass Confusion Matrix

Actual (col), Predicted (row)	Severity 1	Severity 2	Severity 3	Severity 4
Severity 1	1	0	0	0
Severity 2	1	6	5	2
Severity 3	0	2	70	220
Severity 4	0	0	15	1578

