



**Tangent Works**

# Early Detection of Compressor Anomalies Using Automated AI



# Time Series Machine Learning

## Time-series data is everywhere

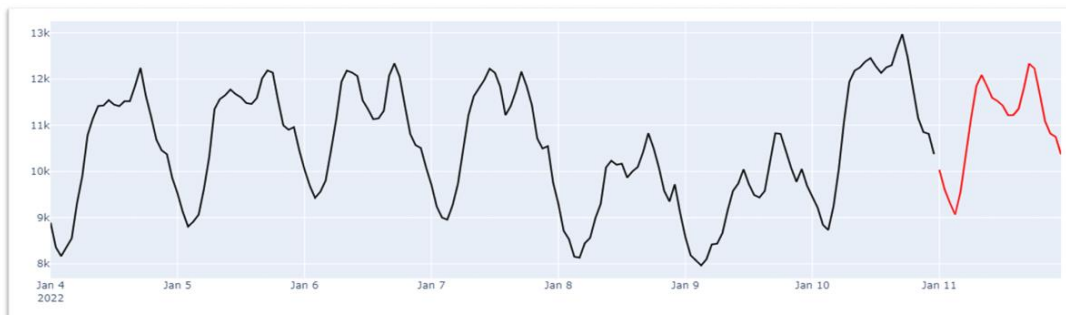
- PLC / Historian
- Sensor / IoT data
- Inventory / ERP
- Energy & Utilities ..

But activating them for **real-time predictive analytics** is challenging due to the **scale & constant change**



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# Time Series Machine Learning



Forecasting

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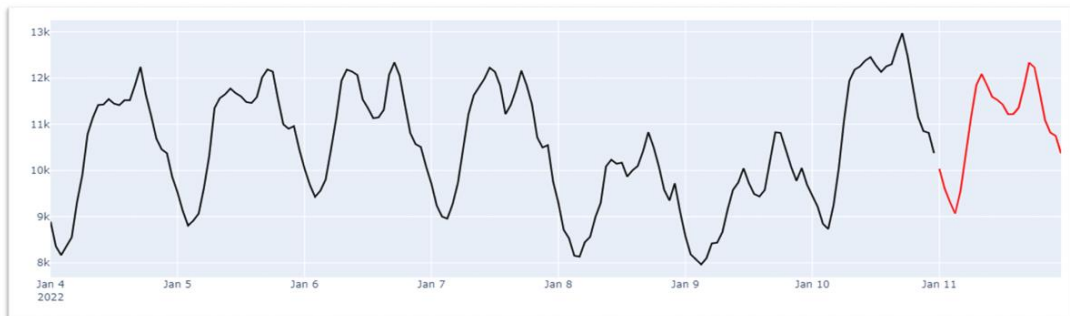
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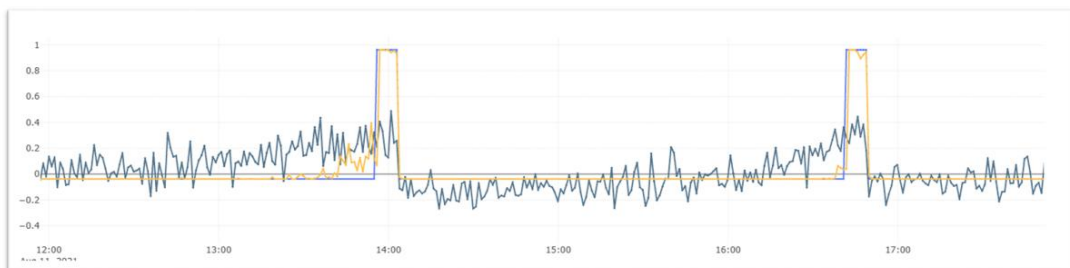


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# Time Series Machine Learning



Forecasting



Classification

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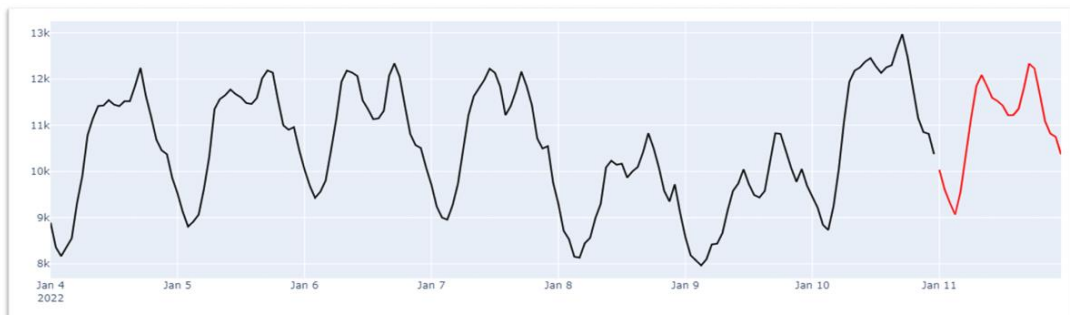
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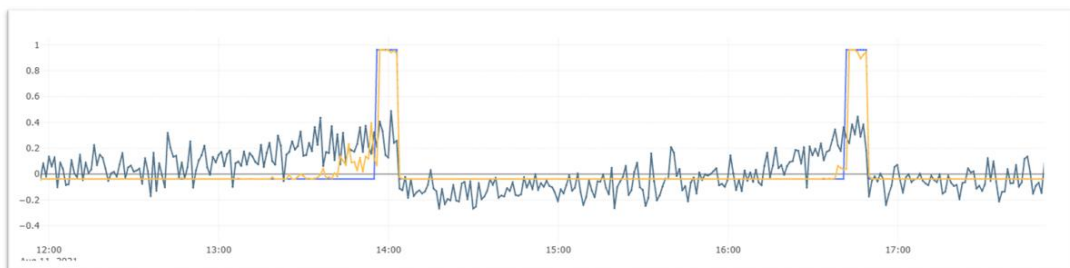


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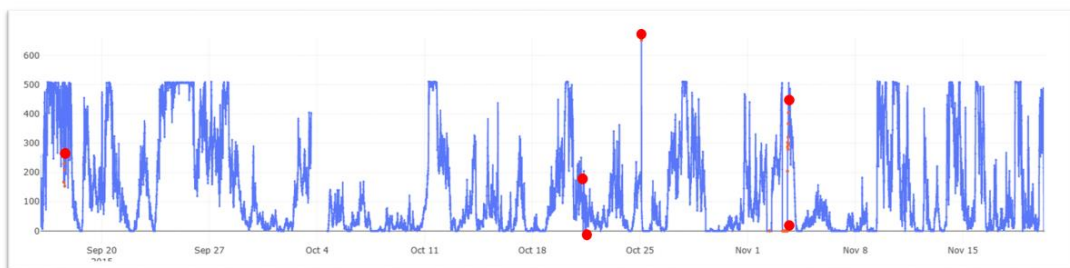
# Time Series Machine Learning



Forecasting



Classification



Anomaly Detection

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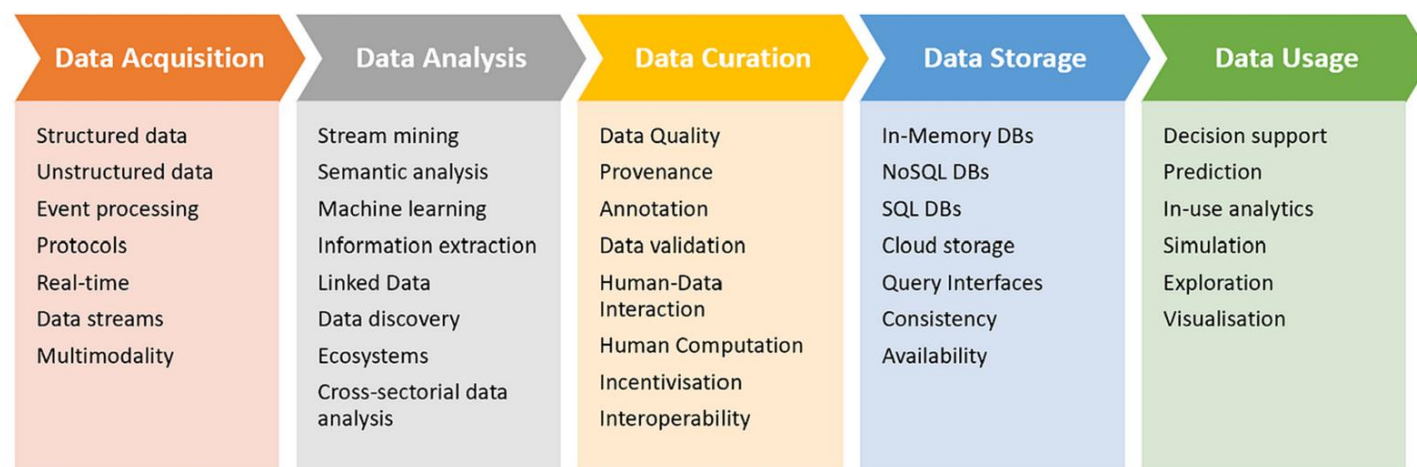
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# Time-Series Data Value Chain

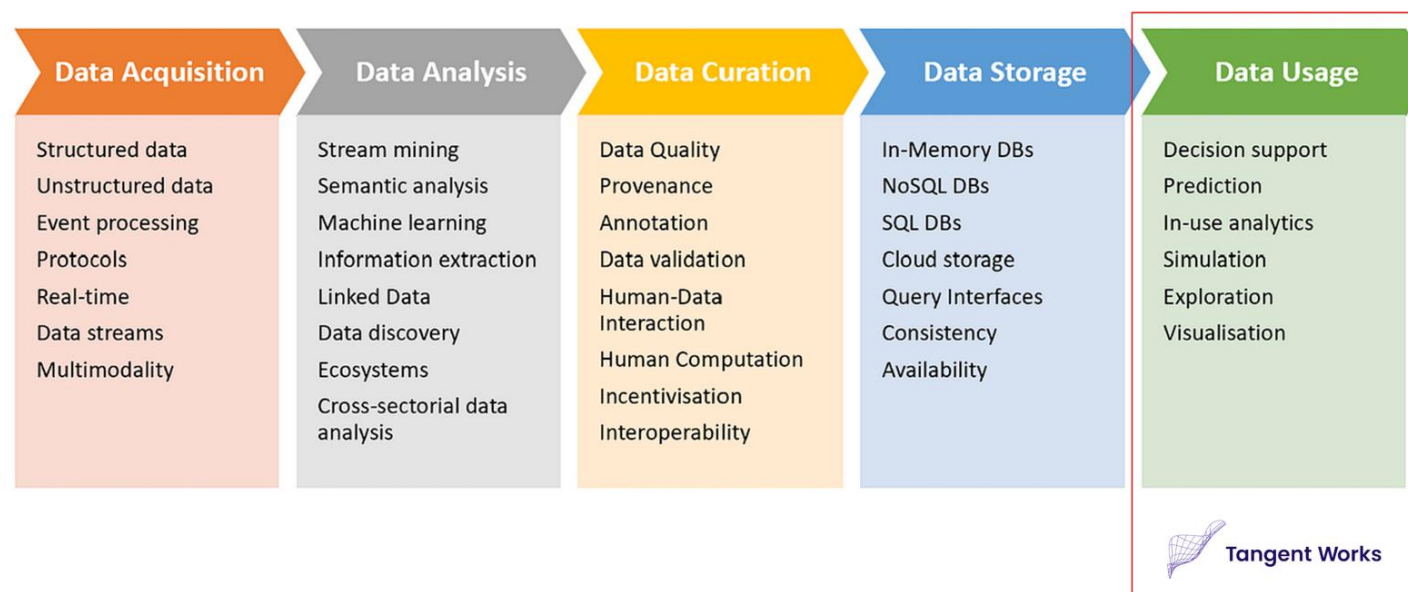


Automation is key, but **Automated Predictive analytics** can only be achieved when:

1. **Structured streaming data** is available and of sufficient quality
2. You have **dedicated AI** to turn your streaming Time Series into predictive insights and actions



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# Instant Predictions at Scale

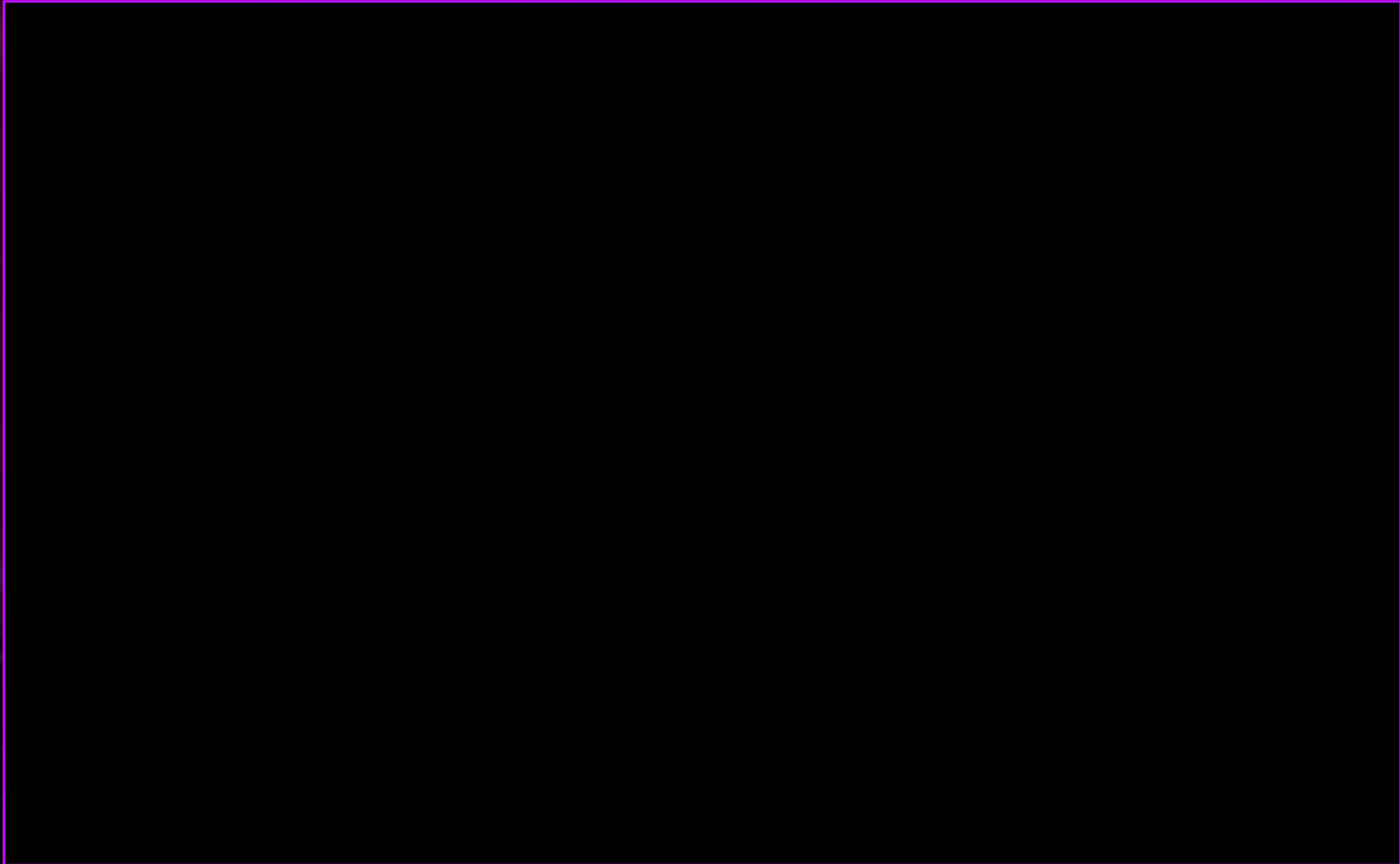


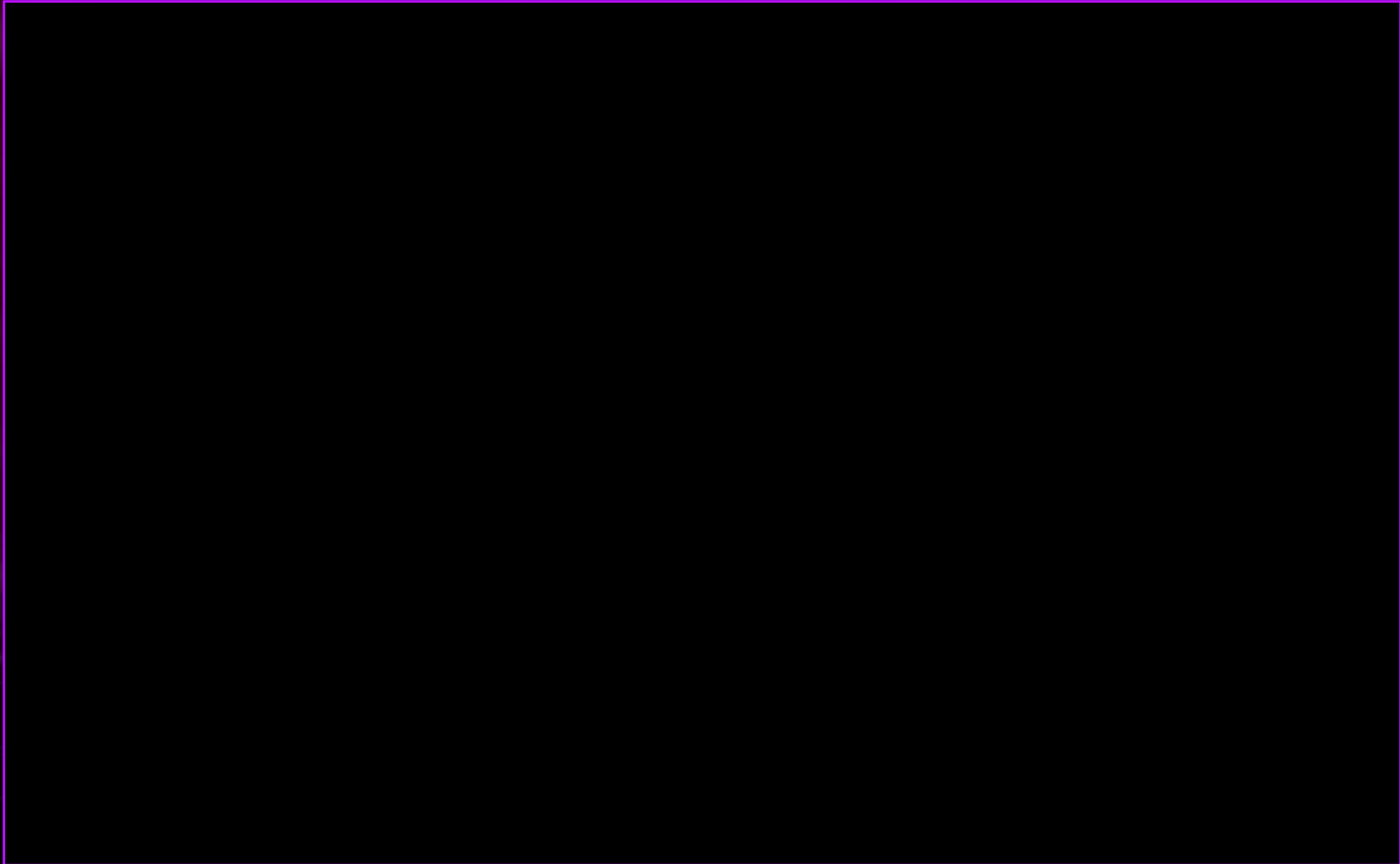


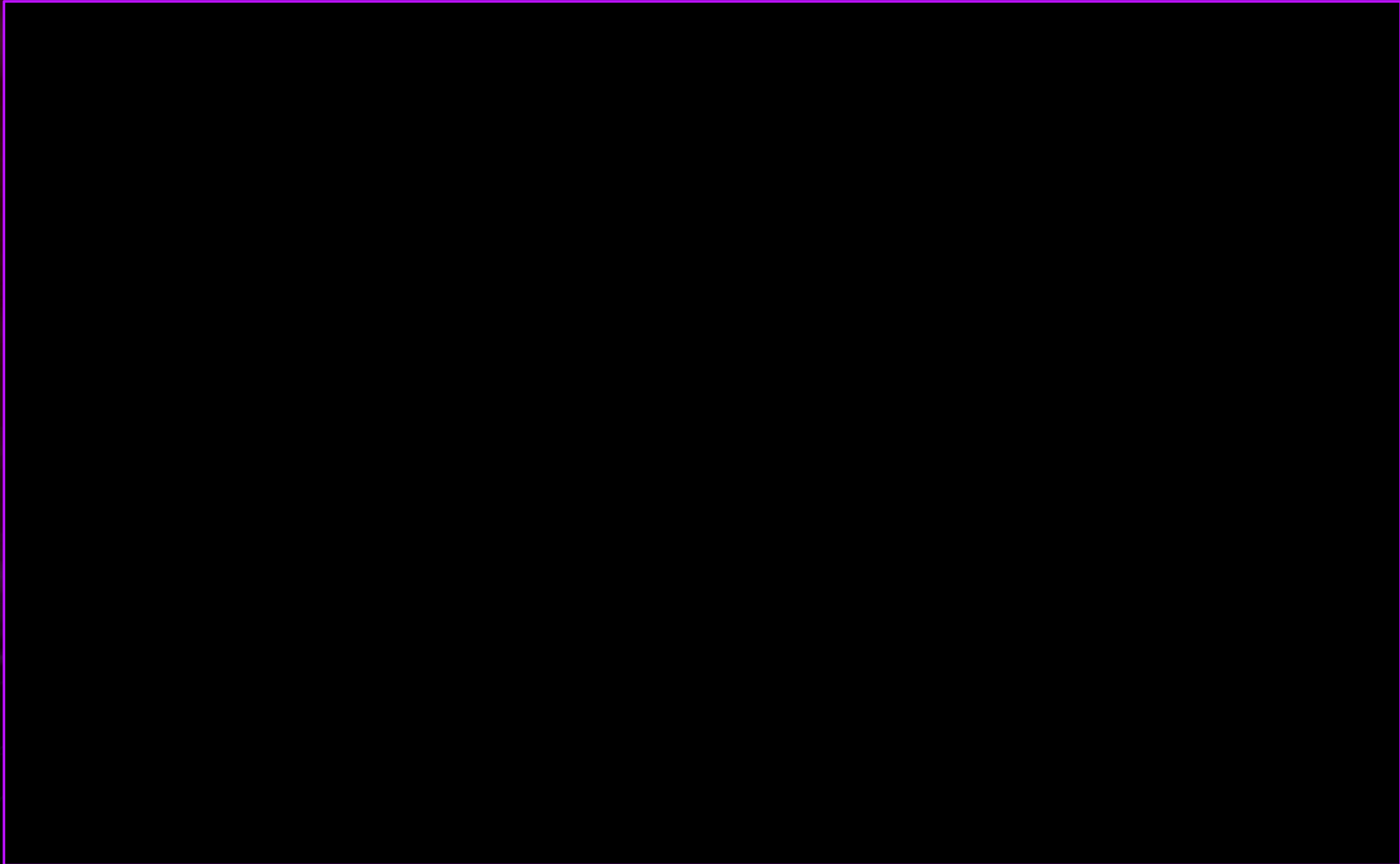


**ASK**  
CONFERENCE









# Key Takeaways

*"With Tangent we quickly  
got tangible and  
actionable predictive  
results showcasing what  
value AI can deliver to  
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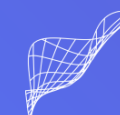


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## Key Takeaways

- ✓ Once you have some of your data structured and available, **the AI is there** to quickly and easily find predictive value and start to activate your data Today

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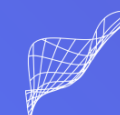


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## Key Takeaways

- ✓ Once you have some of your data structured and available, **the AI is there** to quickly and easily find predictive value and start to activate your data Today
- ✓ **Time Series / IoT data is different and difficult** due to its scale and constant change. Efficiently turning your streams of (near) real-time data into actionable predictions requires dedicated, adaptive AI

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## Key Takeaways

- ✓ Once you have some of your data structured and available, **the AI is there** to quickly and easily find predictive value and start to activate your data Today
- ✓ **Time Series / IoT data is different and difficult** due to its scale and constant change. Efficiently turning your streams of (near) real-time data into actionable predictions requires dedicated, adaptive AI
- ✓ **Look for concrete, tangible use cases to start** your transition to data-driven operations and proof the value

*"With Tangent we quickly got tangible and actionable predictive results showcasing what value AI can deliver to Today's operations"*



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**Questions?**

**Catch me during the break or.. Let's connect!**