

# Case Study: AI Circuit Breaker



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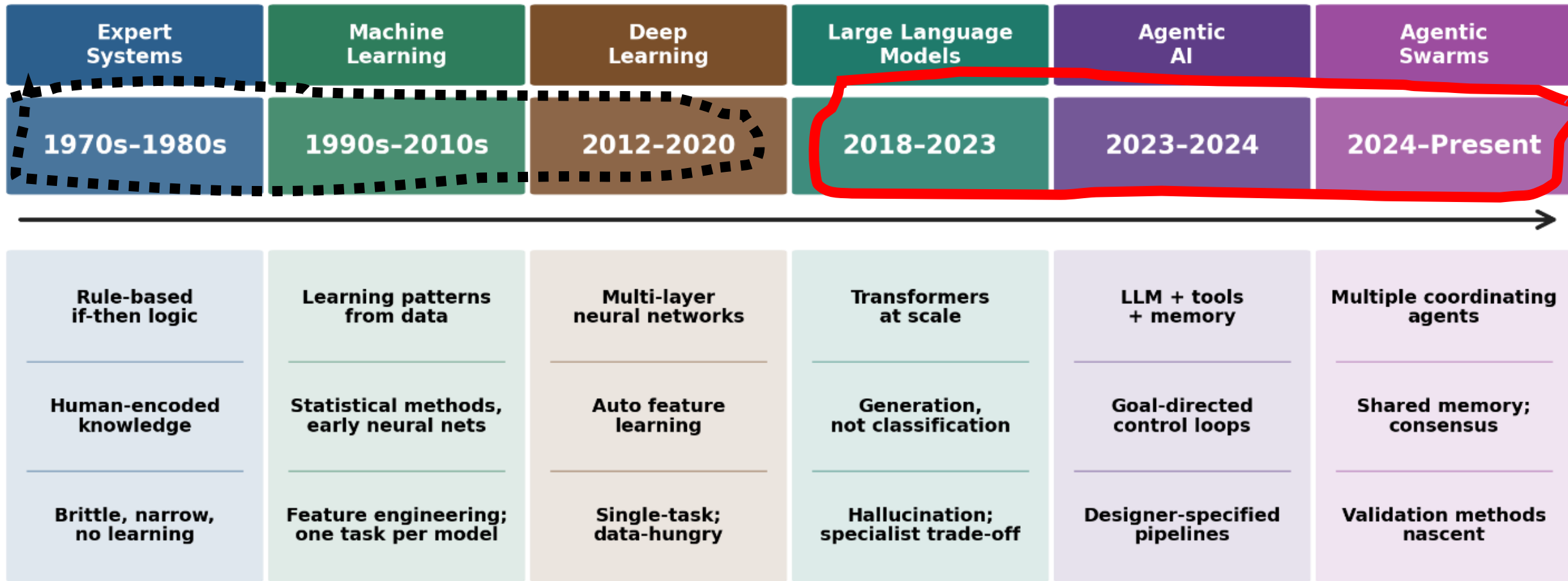
# Perspective on AI History

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# Urgency?! Current cycles...days? Less?

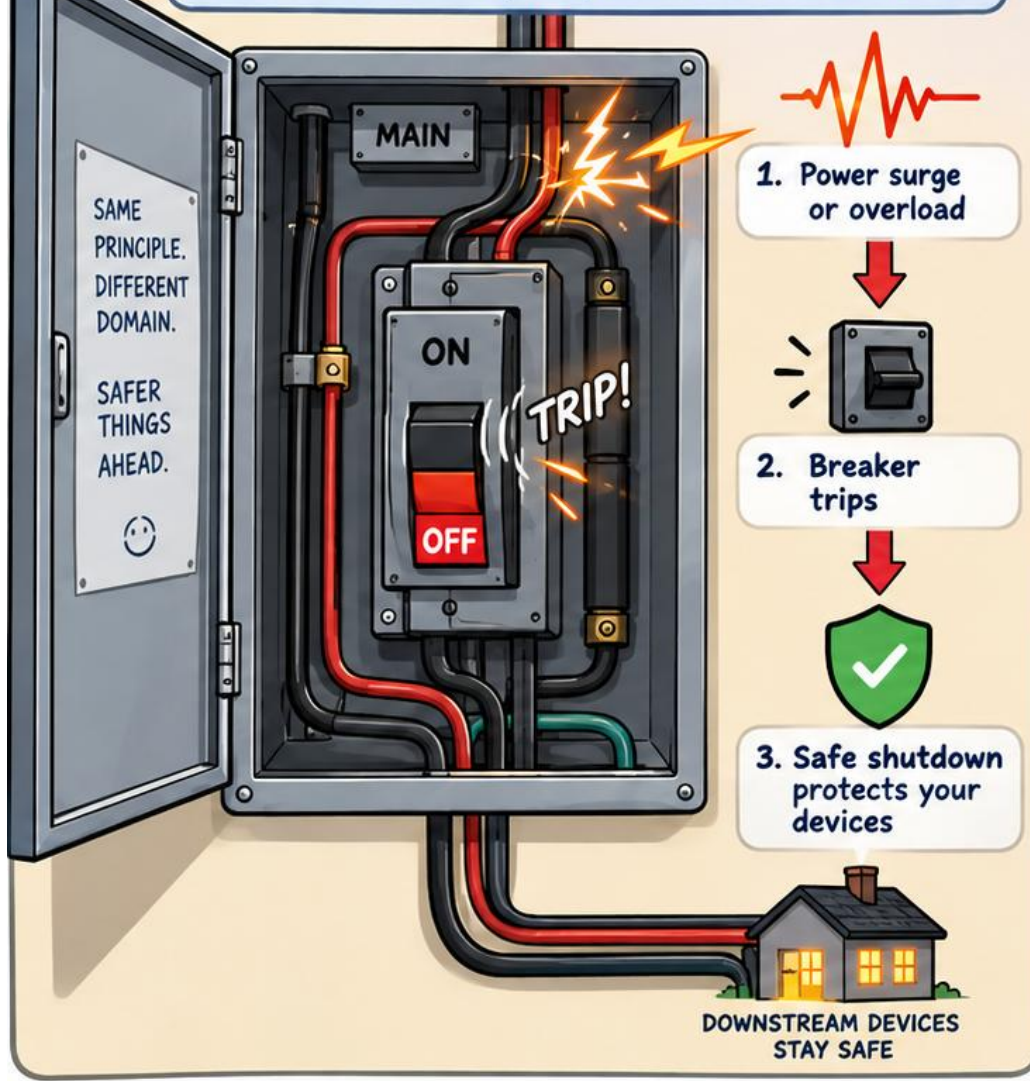
## 10-20 year cycles

## 2-5 year cycles



# Traditional Circuit Breaker

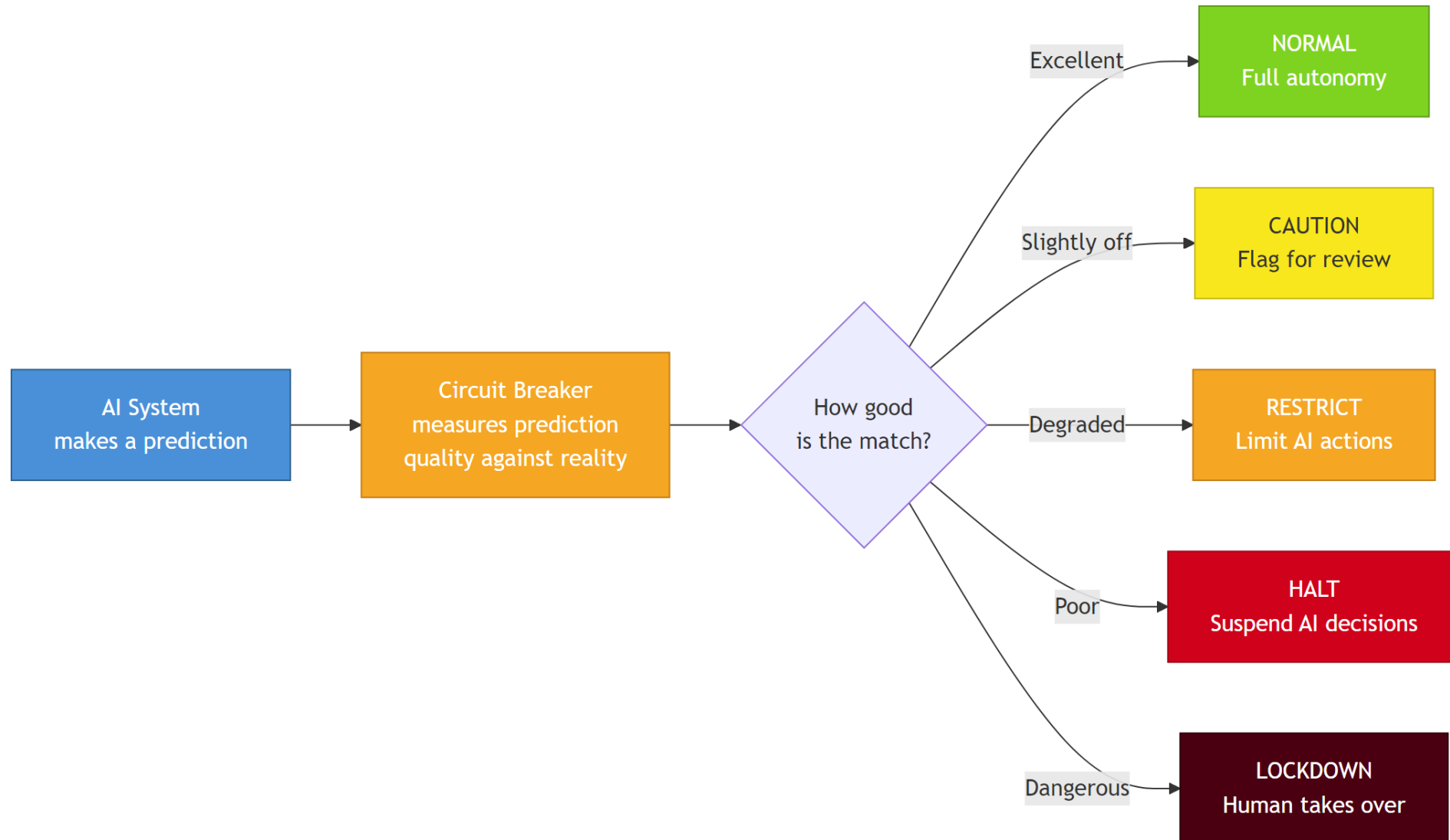
Detects overload. Trips to protect what's downstream.



Different systems. Same goal: Stop the bad stuff. Keep the good stuff working.

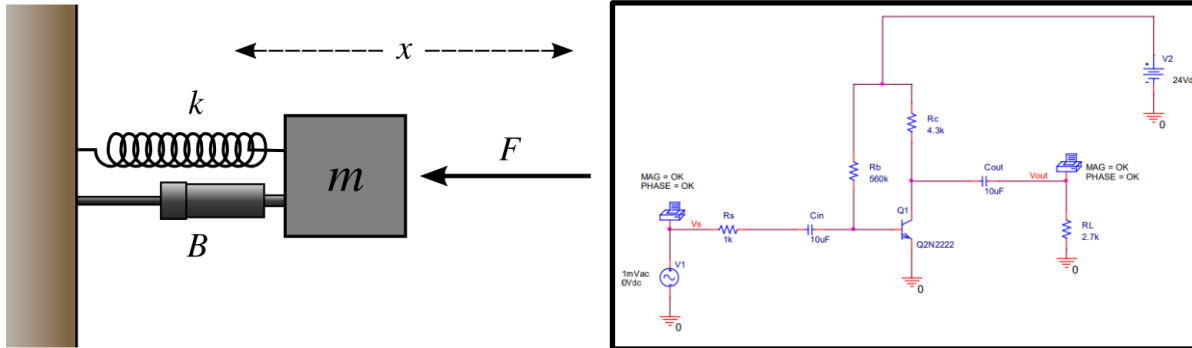


# Notional Process

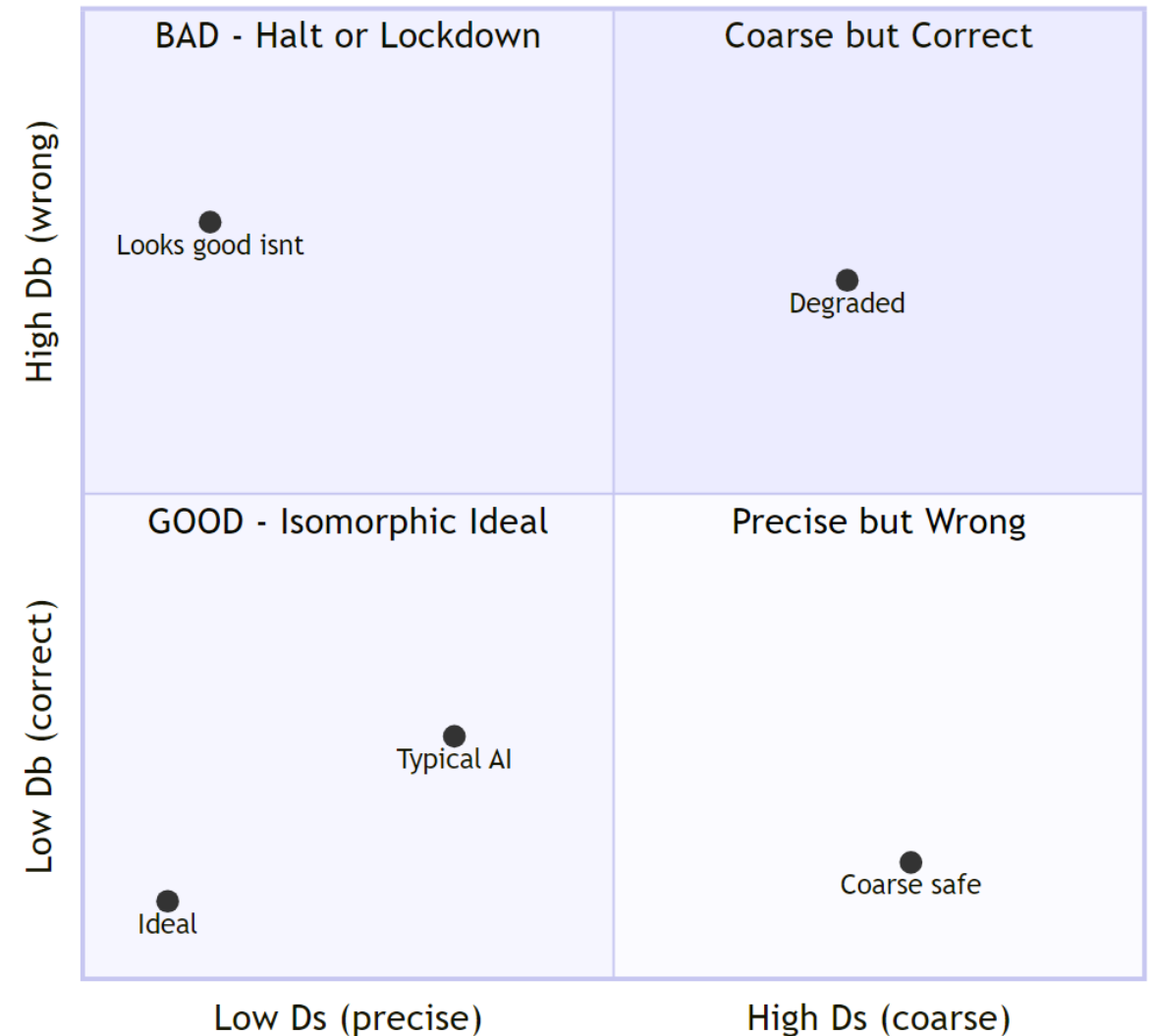


# Underlying Math

- Based on general systems theory
  - Homomorphism: mathematical characterization of equivalence between to models (typically many-to-one)
  - Isomorphism: a homomorphism with one-to-one equivalence



## Two-Axis Morphism Quality



# Demo: Electrocardiogram (ECG shown below) and Water Treatment





# Thank you. Questions?

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# WySE AI Labs