

Streaming to  
insights in 45+  
mins





# Brian Børk

Senior Principal, Microsoft MVP



<https://aka.bi/follow>



<https://kql.how>



<https://dcode.bi>



<https://aka.bi/slides>



FastTrack Recognized  
Solution Architect  
Power BI  
2022 >>



Certified Trainer  
Data Platform

2018 >>





The world is exploding with  
high-granularity data



# What is Real-Time Intelligence

And should I really care?



**BANKING**



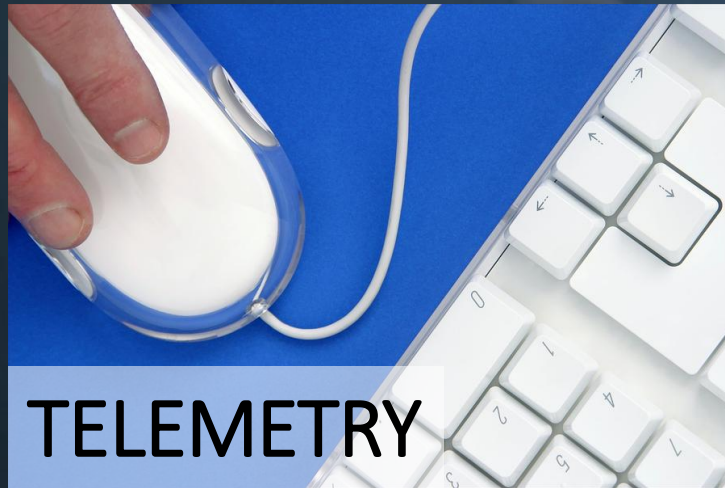
**TELCO**



**STORES**



**RACECARS**



**TELEMETRY**



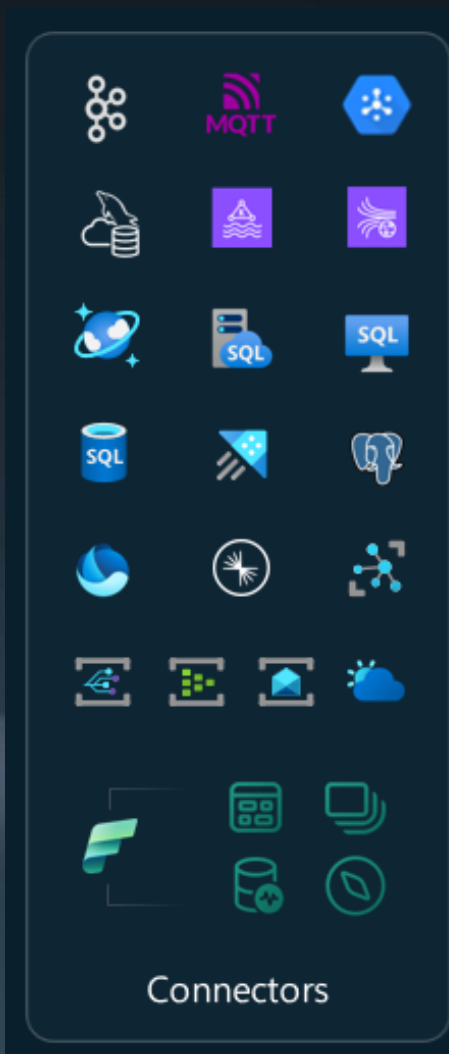
**MANUFACTURING**



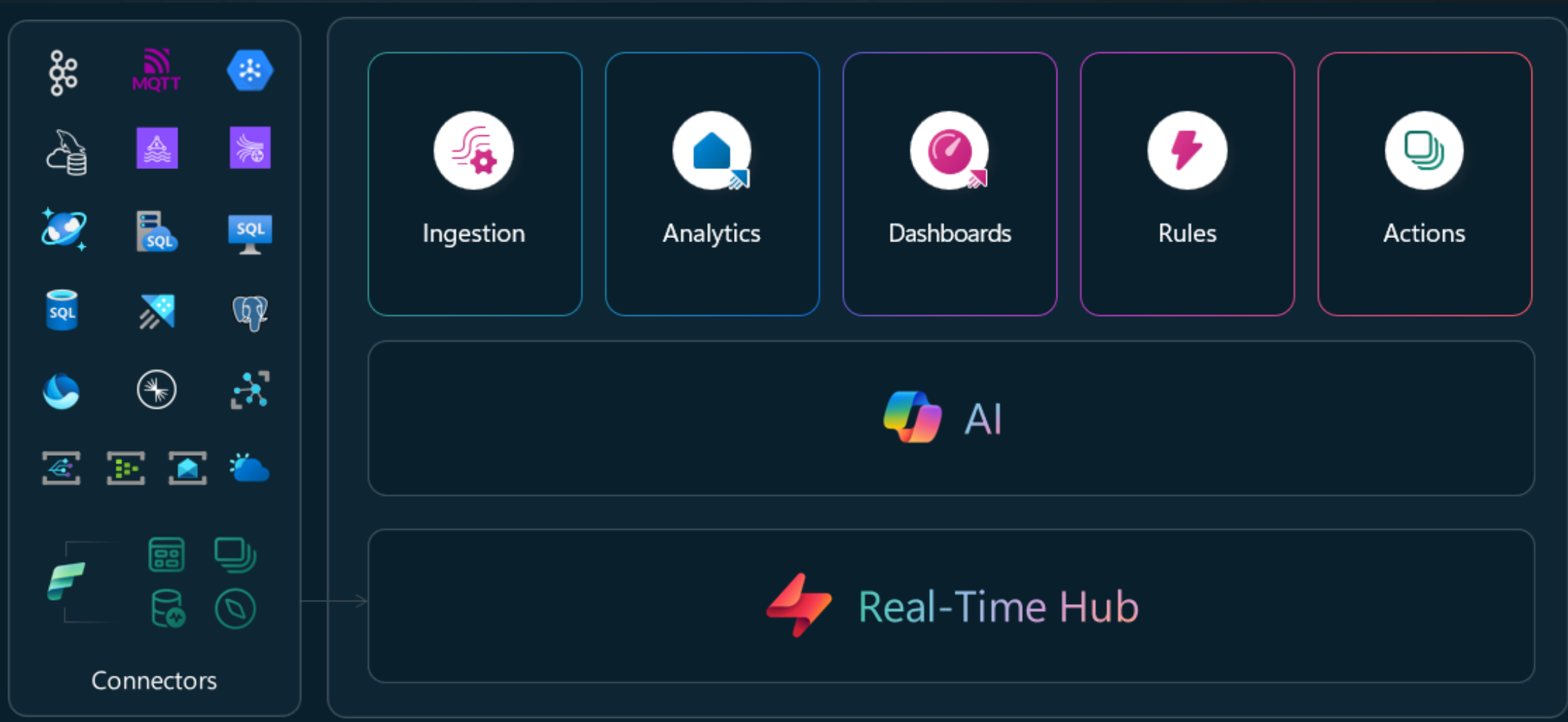
**WIND**

# What is Fabric Real-Time Intelligence?

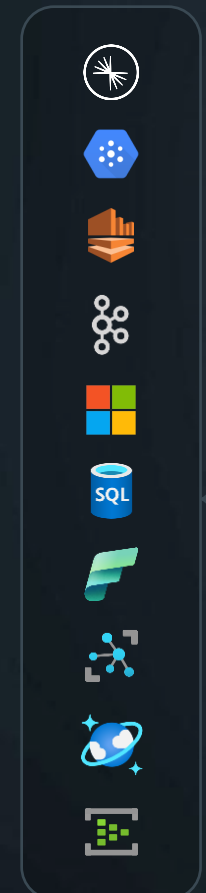
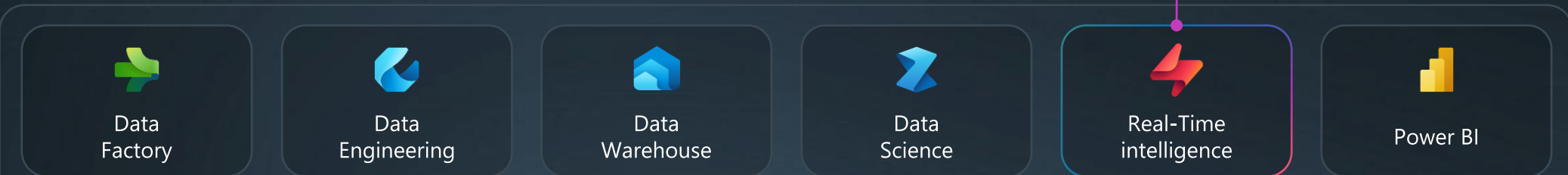
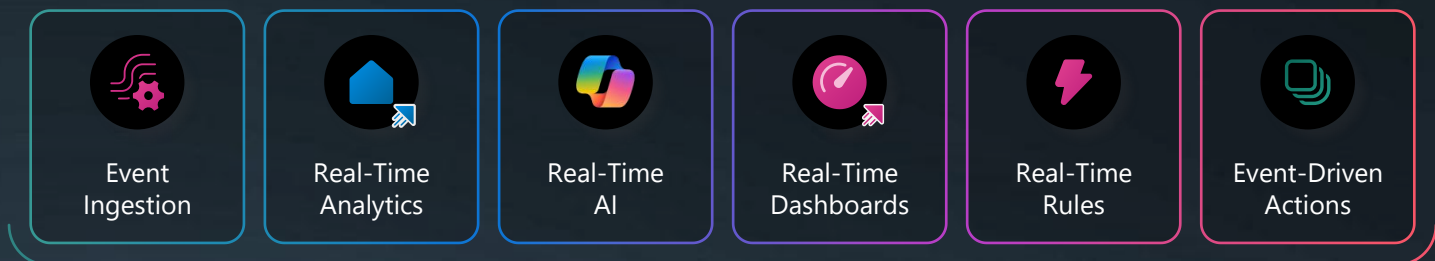
Powerful end to end solution for data in motion



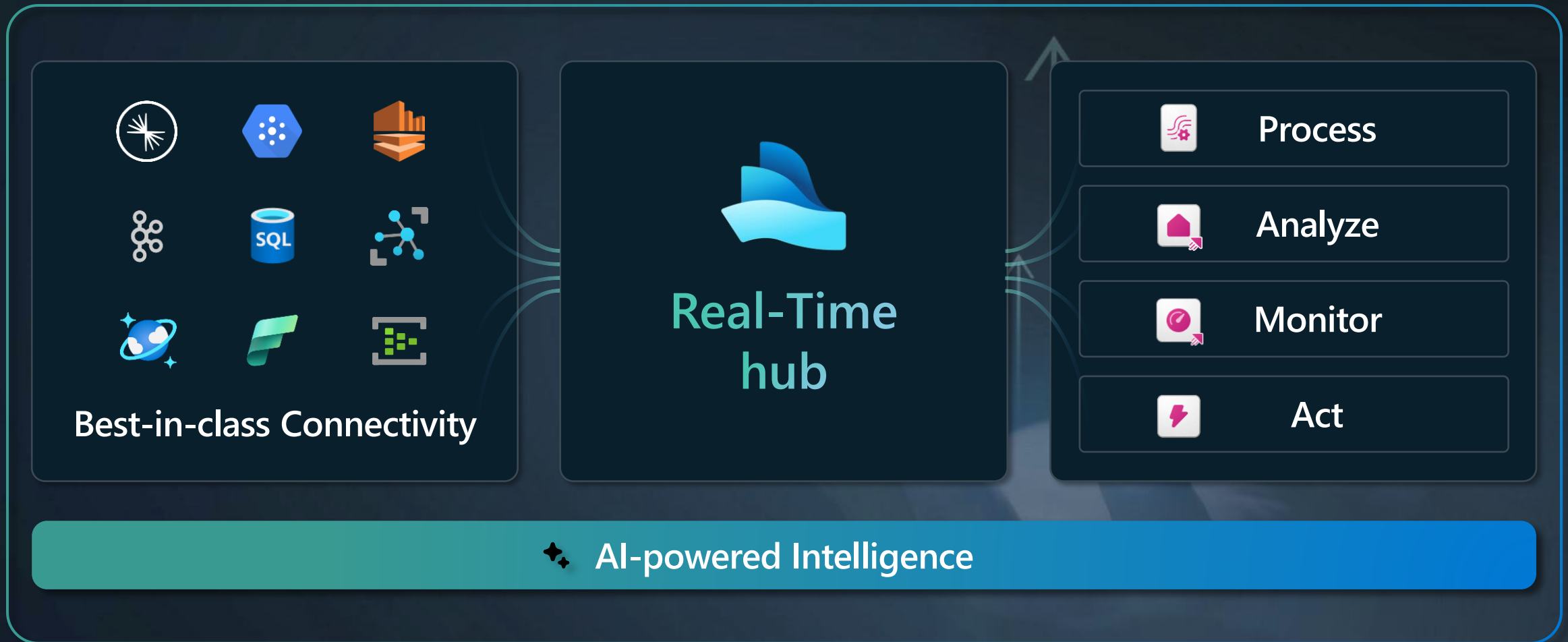
# What is Fabric Real-Time Intelligence?







# The Real-Time Hub

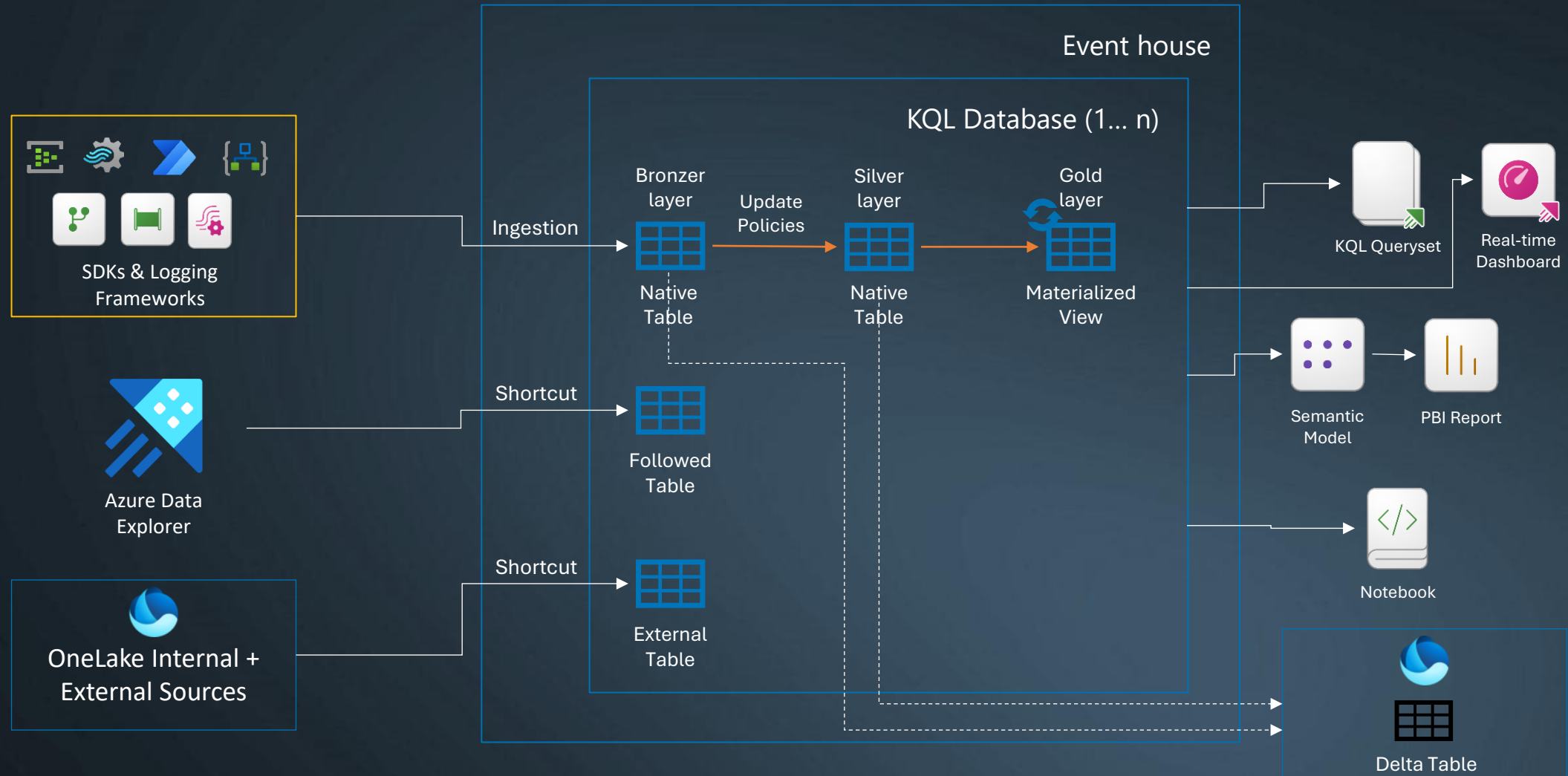




A photograph of a Space Shuttle launching from a launchpad. The shuttle is ascending vertically, leaving a long, bright white plume of smoke and fire. A massive, billowing cloud of white smoke and steam erupts from the base of the launchpad, partially obscuring the lower part of the shuttle. To the left of the launchpad, a yellow service structure is visible. To the right, a tall, slender white water tower stands against the sky. The foreground shows a dark, silhouetted landscape with some trees and a fence line. The sky is a deep blue with scattered white clouds. The text "DEMO TIME" is superimposed in the center of the image in a large, white, sans-serif font.

**DEMO TIME**

# Data modelling





# Data modelling

Forget everything you know about

query performance vs data types

&

data modelling best practices

# Data modelling

- Single table reporting can be a good option, if you can include all columns from dimensions to the table
- M:M relations are hard to avoid, but not a big deal → all queries will be translated to KQL
- All dimensions must be tagged with “IsDimension=true”
- Dimensions can be imported if they are <1 mio rows.
- INTEGER and DECIMAL er slow joins compared to STRING





# Cost



Event  
Ingestion

[aka.bi/rticostes](https://aka.bi/rticostes)



Real-Time  
Analytics

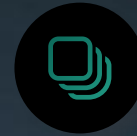
[aka.bi/rticosteh](https://aka.bi/rticosteh)



Real-Time  
Dashboards



Real-Time  
Rules



Event-Driven  
Actions

[aka.bi/rticostact](https://aka.bi/rticostact)

# THANK YOU



SOCIAL?



<https://aka.bi/follow>



<https://kql.how>



<https://dcode.bi>



<https://aka.bi/slides>



 **Microsoft**  
FastTrack Recognized  
Solution Architect  
Power BI  
2022 >>

 **Microsoft**  
Certified Trainer  
Data Platform  
2018 >>