

ORACLE

From Geofencing to Smart Decisions

Unlocking Context and Action with the Oracle AI Converged Database



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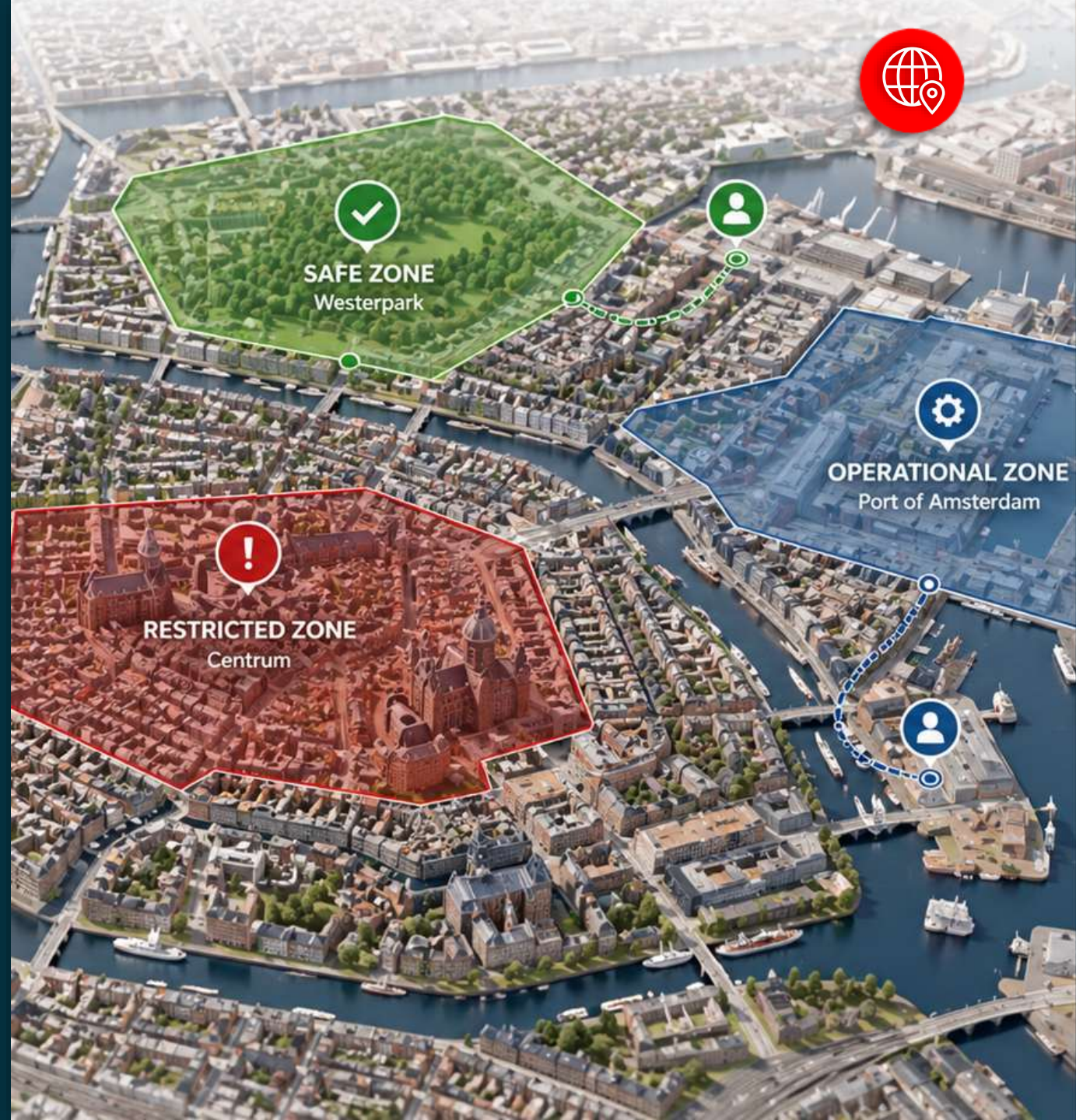
Spatial is in our DNA

For decades, Oracle Spatial in Oracle Database has enabled enterprises to run mission-critical applications with confidence

 Proven, Trusted, Scalable

 Embedded in Oracle AI Database

 Powering the world's most important systems



Oracle AI Converged Database

More than Spatial. One database. Many engines. Unlimited possibilities



SQL



Central Security



Scalability



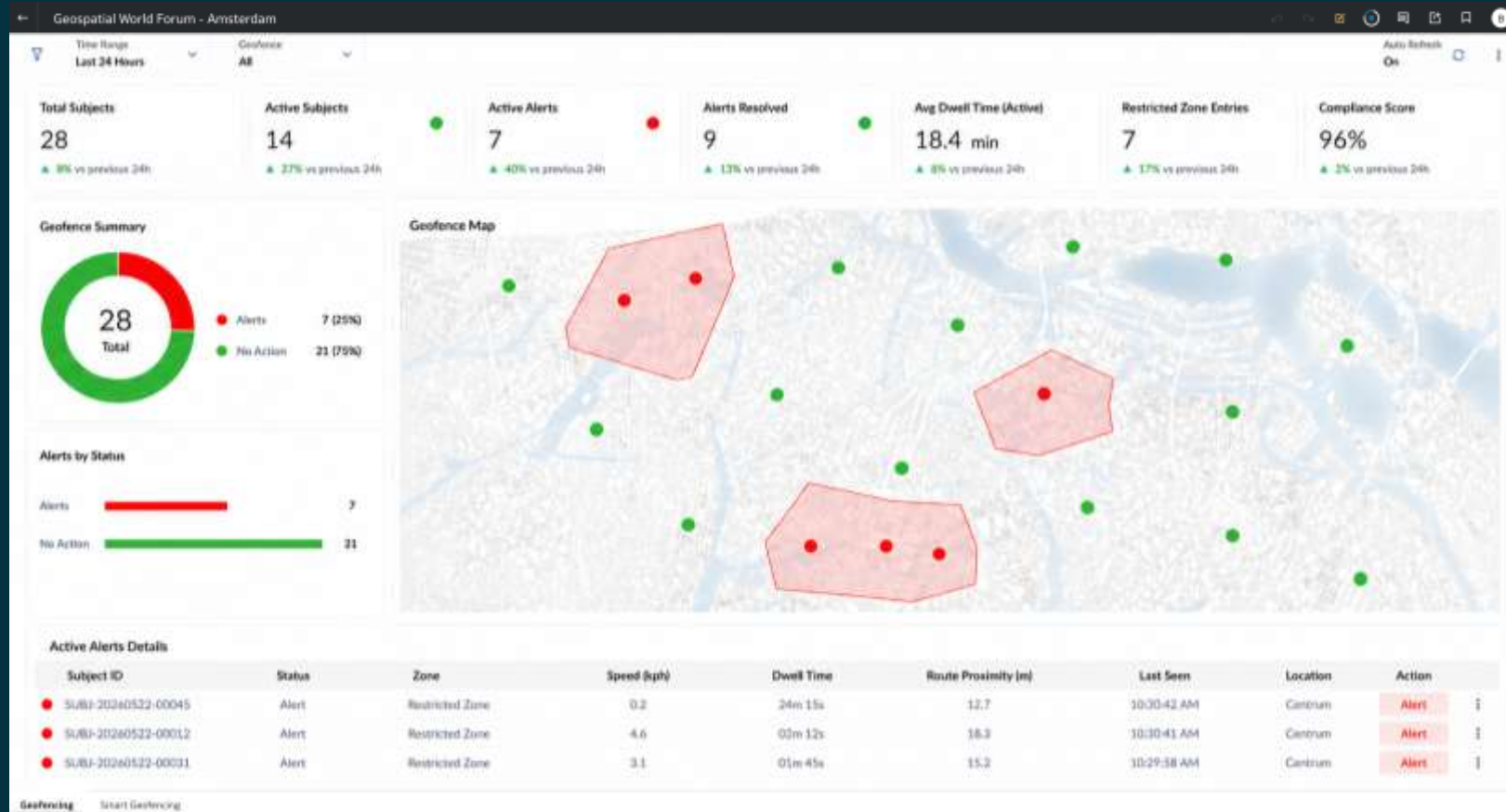
Manageability



Focus on
innovation,
not
integration

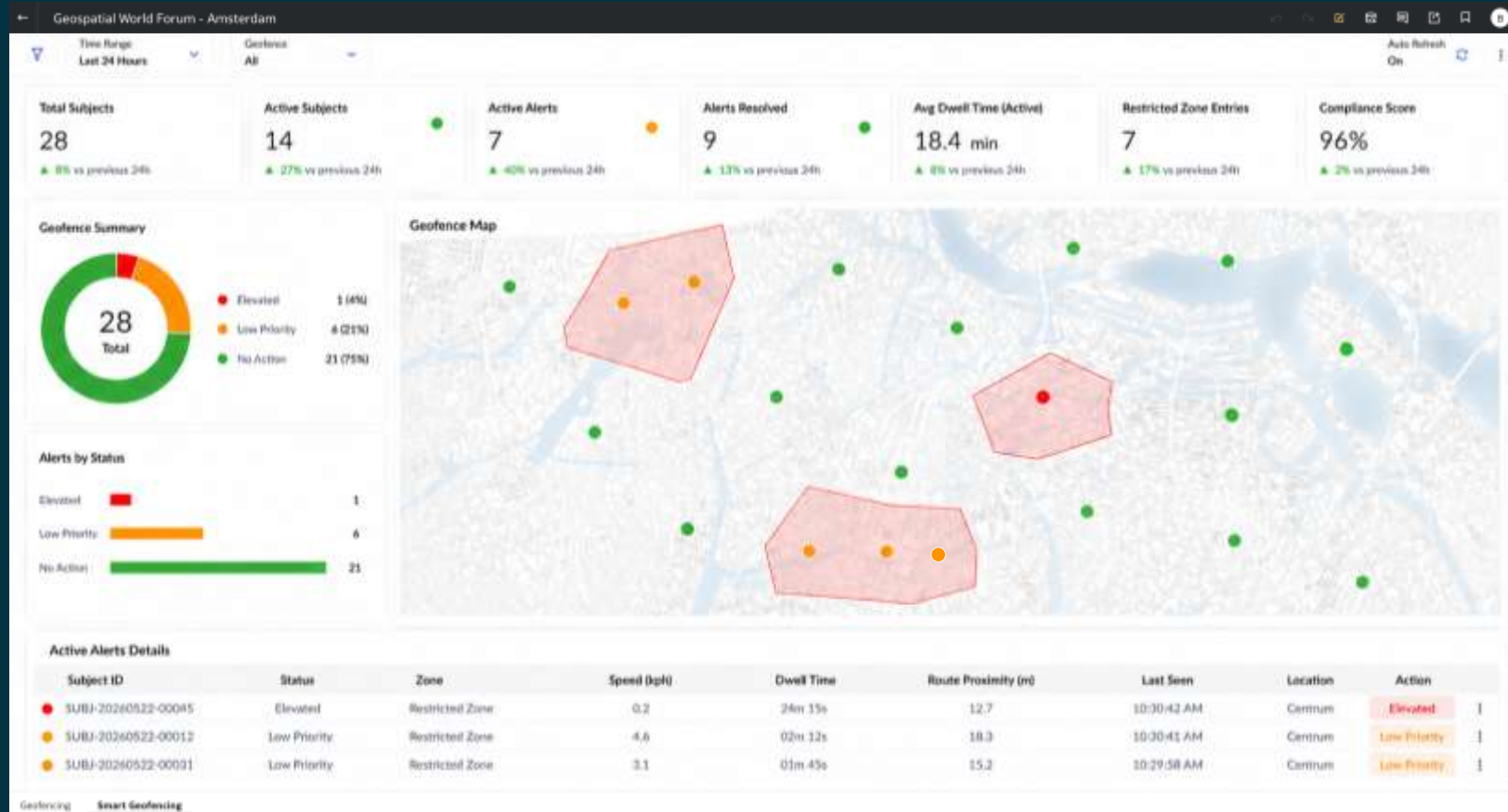
The challenge with geofencing today

Too many alerts. Too little context



Unlocking Contextual Intelligence

Where are they? + What are they doing? = Should I intervene?



From Behaviour to Vector

How we quantify movement patterns



1. CONTEXT DIMENSIONS

Behaviour is described by 3 key dimensions



Speed

0 = Stopped
1 = Fast



Dwell Time

0 = Brief
1 = Long

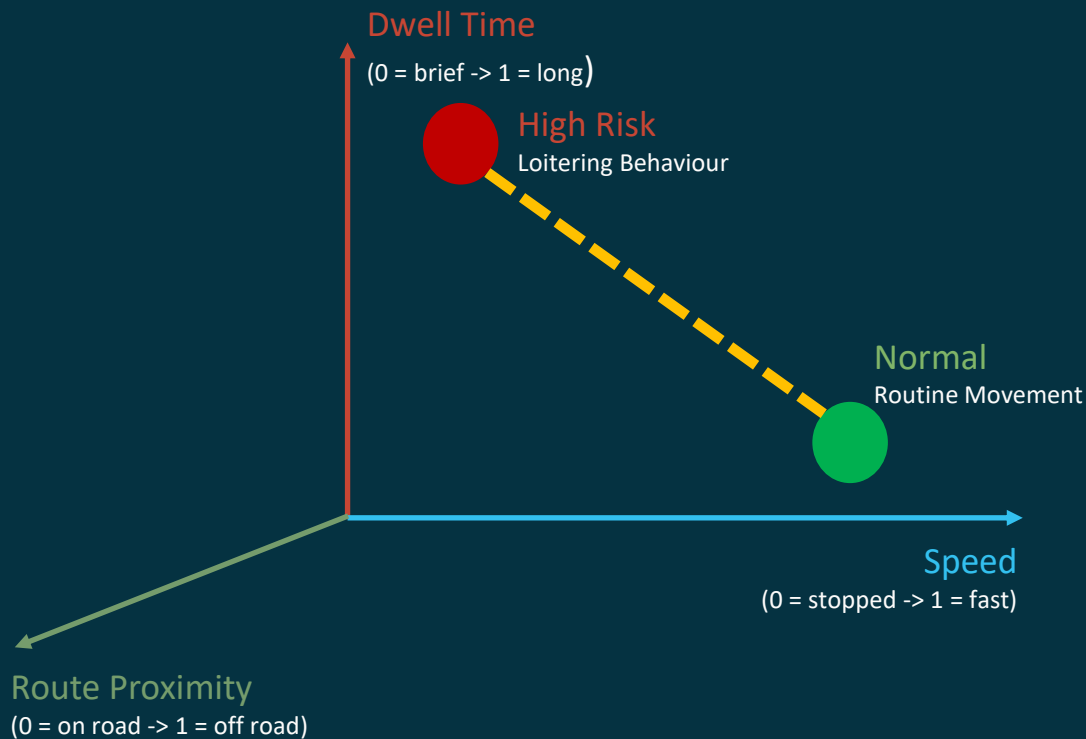


Route Proximity

0 = on road
1 = off road

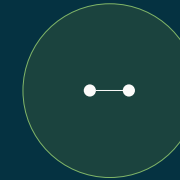
2. VECTOR SPACE

Each behaviour is represented as a point in #D space



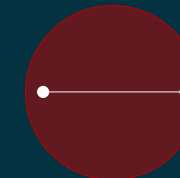
3. OUTCOME

Compare Vectors to understand behaviour



Close Vectors

Similar behaviours



Far Vectors

Different behaviours




Actionable Insight

Identify deviations and take action



Business Impact with Oracle AI Converged Database

Proof of concept results



ALERT OPTIMIZATION

>40%


Reduction in alert volume



ACCURACY

100%

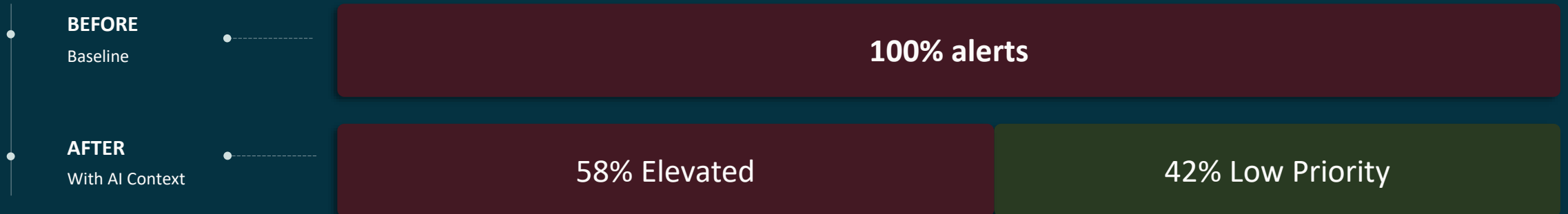
True positive retention



PERFORMANCE

<200ms

Query latency



Smarter context - Fewer alerts - Better outcomes

Thank You
