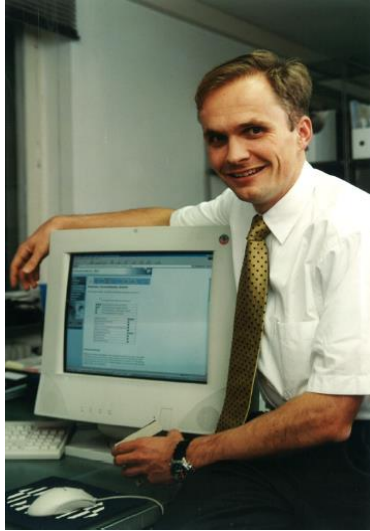


***CHECK24***

The logo features the text "CHECK24" in a bold, italicized, white sans-serif font. A white circular arrow is positioned below the "24", starting from the left side of the "2" and curving around to the right side of the "4", indicating a 24-hour cycle or service.

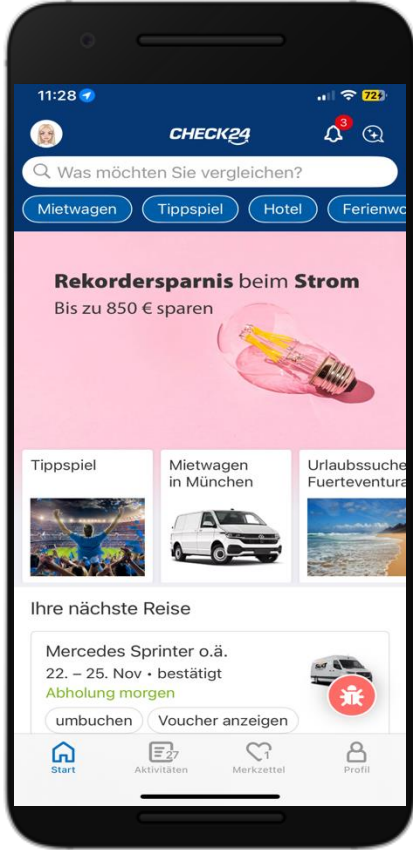
# From Isar Valley Startup to Biggest German App



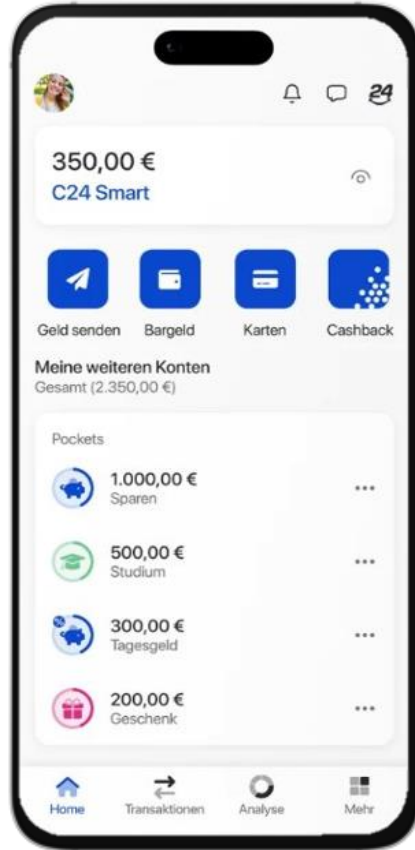
> 1 Mio. app openings each day



# CHECK24 Ecosystem



Comparison



Bank



Ident



Car Registration Service



Certified (PCI) Payment Provider

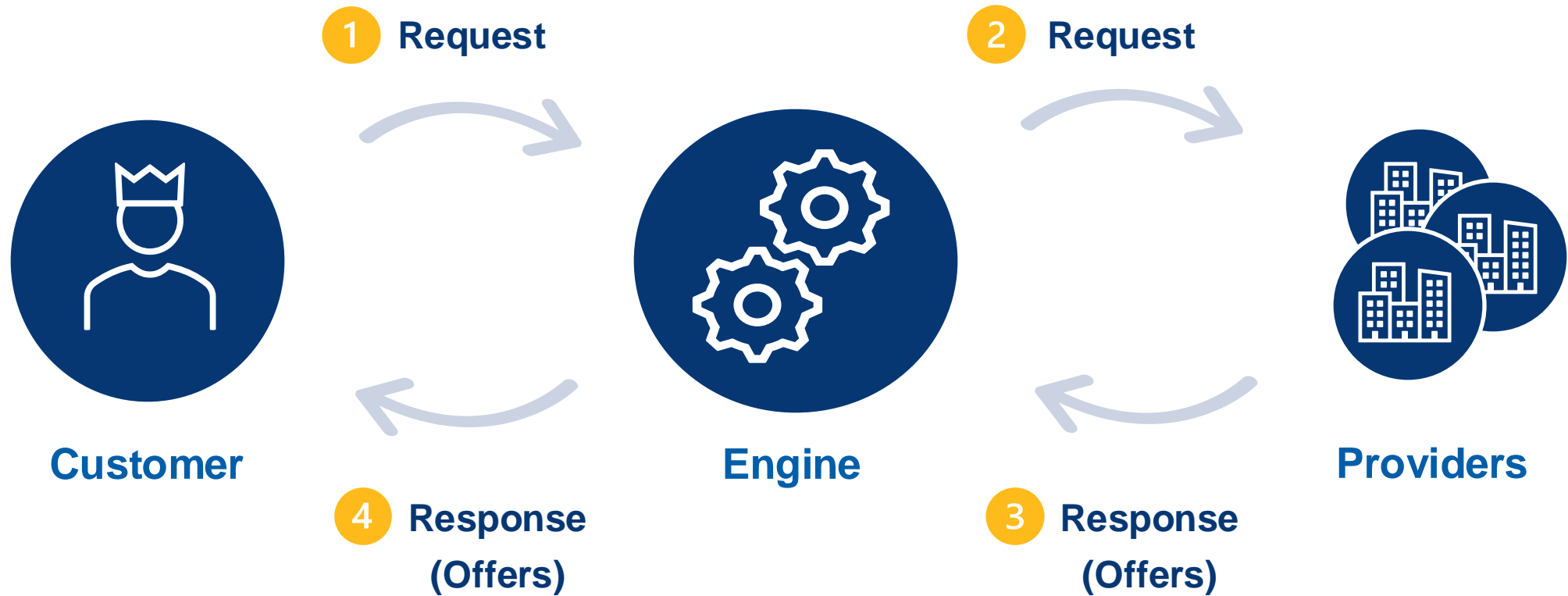


Rental Car Broker



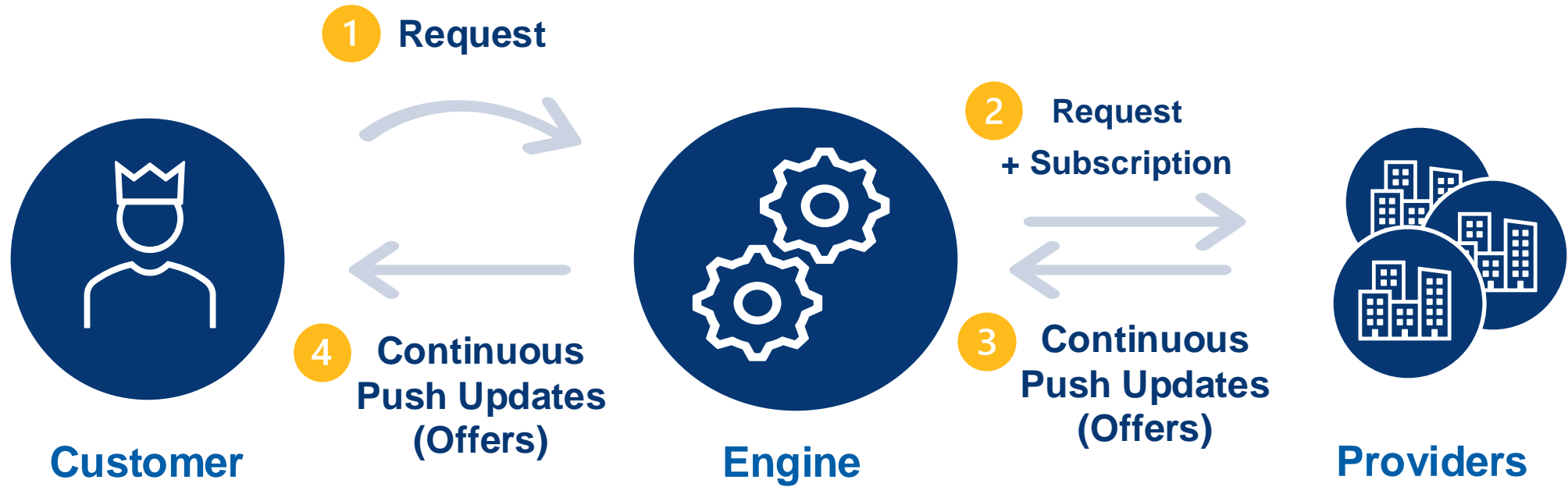
Travel Package Provider

# Traditional Comparison Model



Offers with **limited availability** can be quickly **outdated**  
(for example flights, hotels, rental cars)

# Next Level: No Refresh, Never Outdated!



Customers can see and react to **any price change instantly**

# The Problems Come With High Traffic



## Concurrency

- Many users with different queries
- Many providers with unpredictable responses



## Throughput

- Provider data can be large
- Users are impatient



**Only throwing hardware at the problem is**



# The Challenge: Build a High Performance Comparison Engine

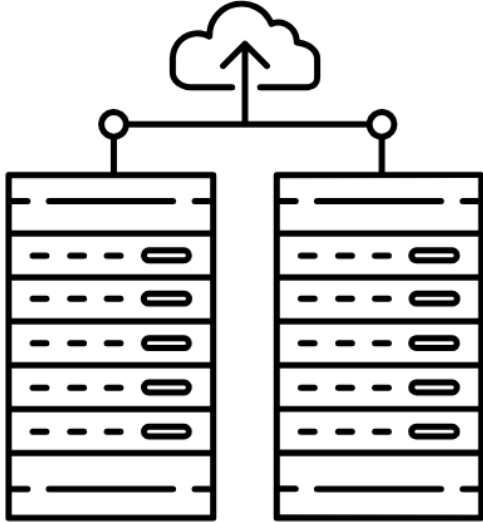
## Handle ...

- 1 > 100,000 offers as baseline data set
- 2 > 10,000 concurrent large reads
- 3 > 20,000 concurrent push updates / writes
- 4 > 500 push update subscriptions

... all at the same time

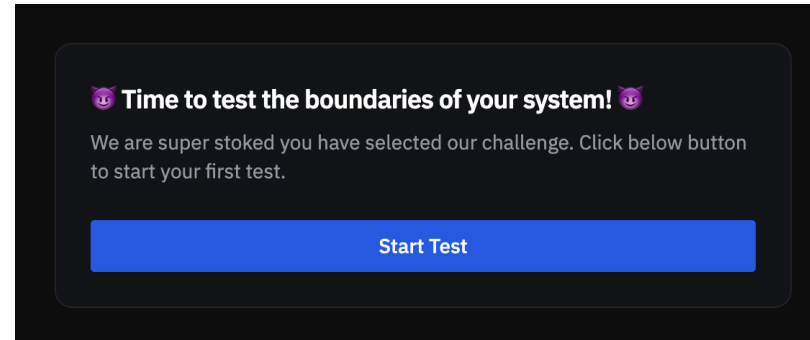
# Challenge Platform

## Engine Infrastructure



Dedicated Server per Team

## Test Execution Platform



Load Test on Demand

## Live Leaderboard



Live Test Results