CASE STUDY

BYTEBEAM | **TORK** MOTORS

Overview

Tork is building new age connected and premium e-bikes

Required Features

- Vehicle Usage Analytics
- Integrating with CAN Bus
- Firmware & ECU OTA updates
- Data Pipeline & Data management
- Device registry & provisioning
- Mobile Application

> "Tork Motors started building on a popular IoT platform which has many features readily available and was quick to get started with the integration. On moving from pilot to prototype and later to production, Tork Motors encountered a number of challenges. "

Challenges with previous solution

No unified solution
Platform supports only one vehicle version

Less Customisations
Limited, costly, and time-consuming firmware changes

Data Handling
Limited data transfer flexibility

Support & TATs
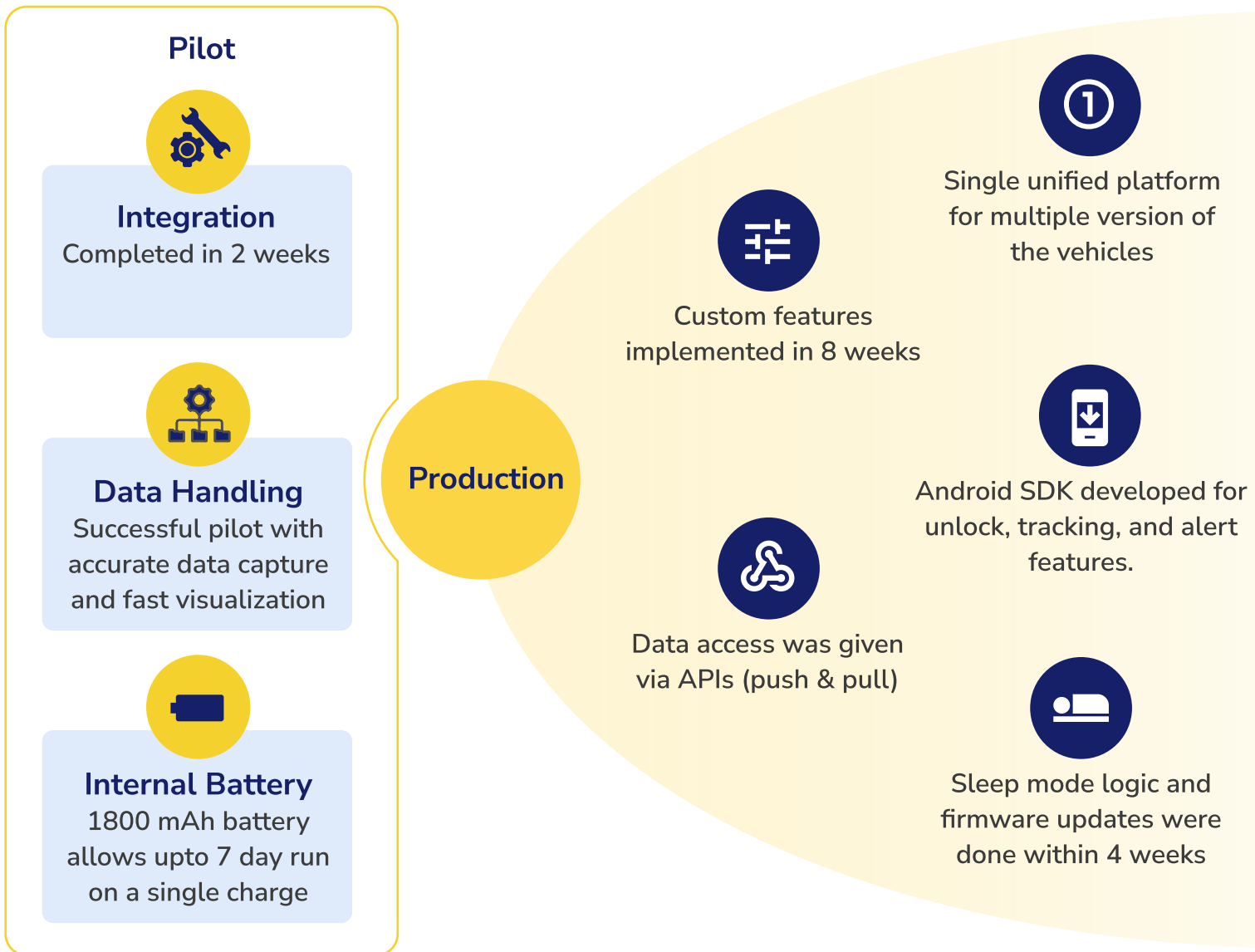Long issue resolution and feature implementation times

Battery Drainage
High power consumption by telematics device.

Data Reliability
Data loss due to poor connectivity and processing.

Bytebeam solution

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Pilot

Integration
Completed in 2 weeks

Data Handling
Successful pilot with accurate data capture and fast visualization

Internal Battery
1800 mAh battery allows upto 7 day run on a single charge

Production

Custom features implemented in 8 weeks

Single unified platform for multiple version of the vehicles

Android SDK developed for unlock, tracking, and alert features.

Data access was given via APIs (push & pull)

Sleep mode logic and firmware updates were done within 4 weeks

Results

12 weeks
Production ready devices and platform in 12 weeks

<24 Hours
SLA driven outcome for all the queries in less than 24 hours

<0.5% data loss
With persistence and improved connectivity, overall data loss < 0.5%

7 days
With increased capacity and custom sleep mode device could run upto 10 days