

Investor Presentation

COMPANY CONFIDENTIAL & PROPRIETARY

RECOGNI REALTIME
OBJECT
RECOGNITION

MARCH 2019

Outline

- The automotive industry is transitioning to **Autonomous Vehicles**
- A **network of computers** needs to drive these autonomous vehicles efficiently on a limited energy budget
- While these AI systems are trained offline, they need to **process** the **sensor data** in **real-time** in the vehicle
- The companies building AVs have **hit the processing efficiency wall** and are unable to transition to **Level3+ autonomy and beyond**
- Opportunity: create **high-performance & low-power AI processing** to capitalize on the **\$16B** (2025) market growing to **\$45B** (2030)

The Market Landscape

While **Level 2** was designed for safety, **Level 3+** requires the car to be self-driven



ADAS aka **Level 2** Autonomy **Already Solved**

Level 3+ **\$45B**
opportunity in
2030

Challenges To **Level 3+ Autonomy**

Need **exhaustive dataset** to train the autonomous driving system

Need **huge real-time computation** at **tiny power budget**

DRIVER NEEDED



NO DRIVER NEEDED



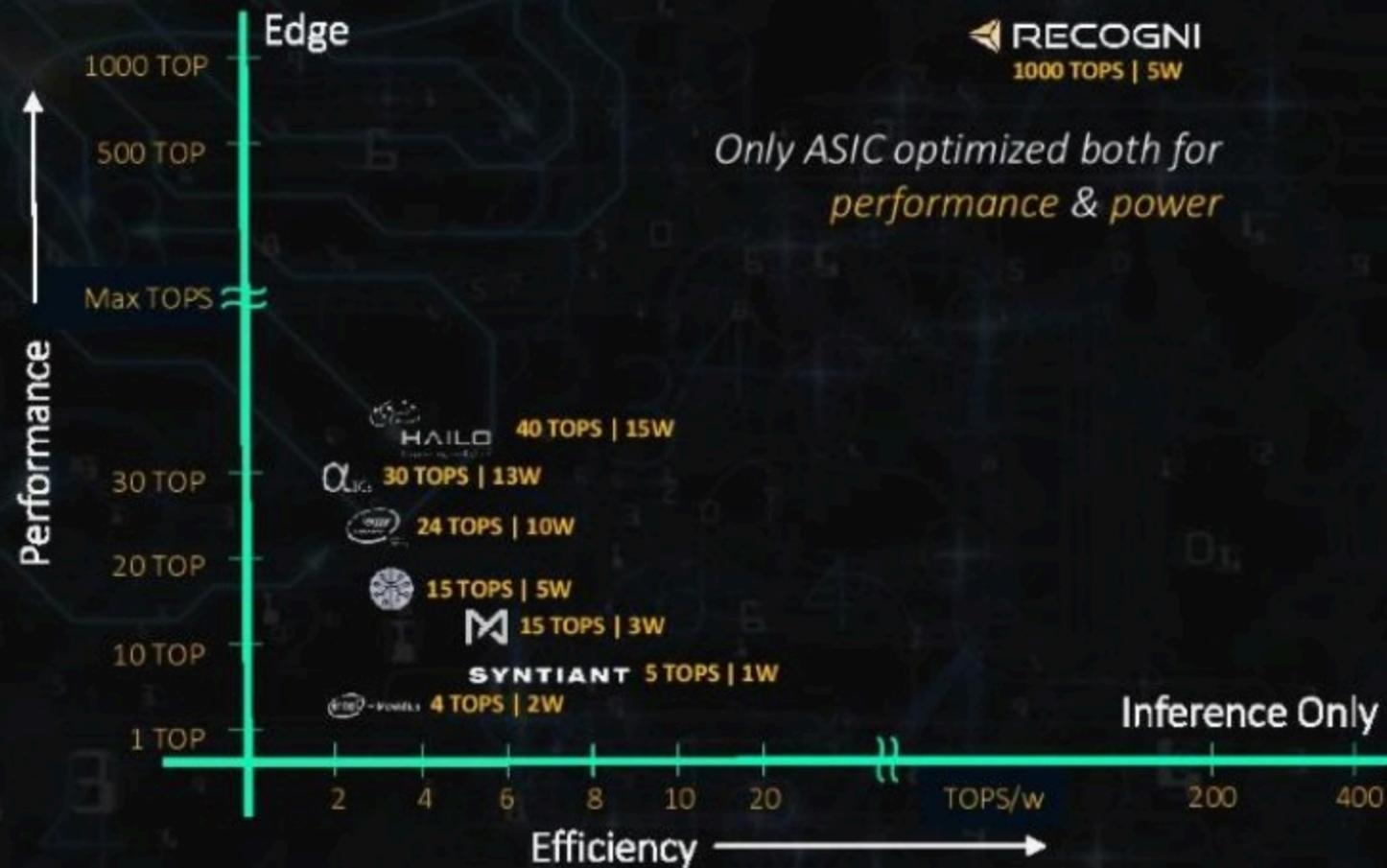
Current state-of-the-art **needs 26kW** to achieve L3+ (7000+ TOPS*)

*Trillion-Operations-Per-Second

The Competition & Opportunity

Others have optimized for either performance or power but not both

Recogni will accelerate autonomous vehicle market by at least 2 years*



Total Addressable Market

\$2B 2022  **\$4B 2024**
Addressable by **Current Solution**

(ADAS)  **\$4B**
All Cars

Level 2+

LEVEL 2+ : minimal configuration
Camera 1x | Radar 2x



\$16B 2025  **\$45B 2030**
Only Addressable by **Recogni**

 **\$6B**
Self-driving Cars
\$10B
Ride Hailing Taxis

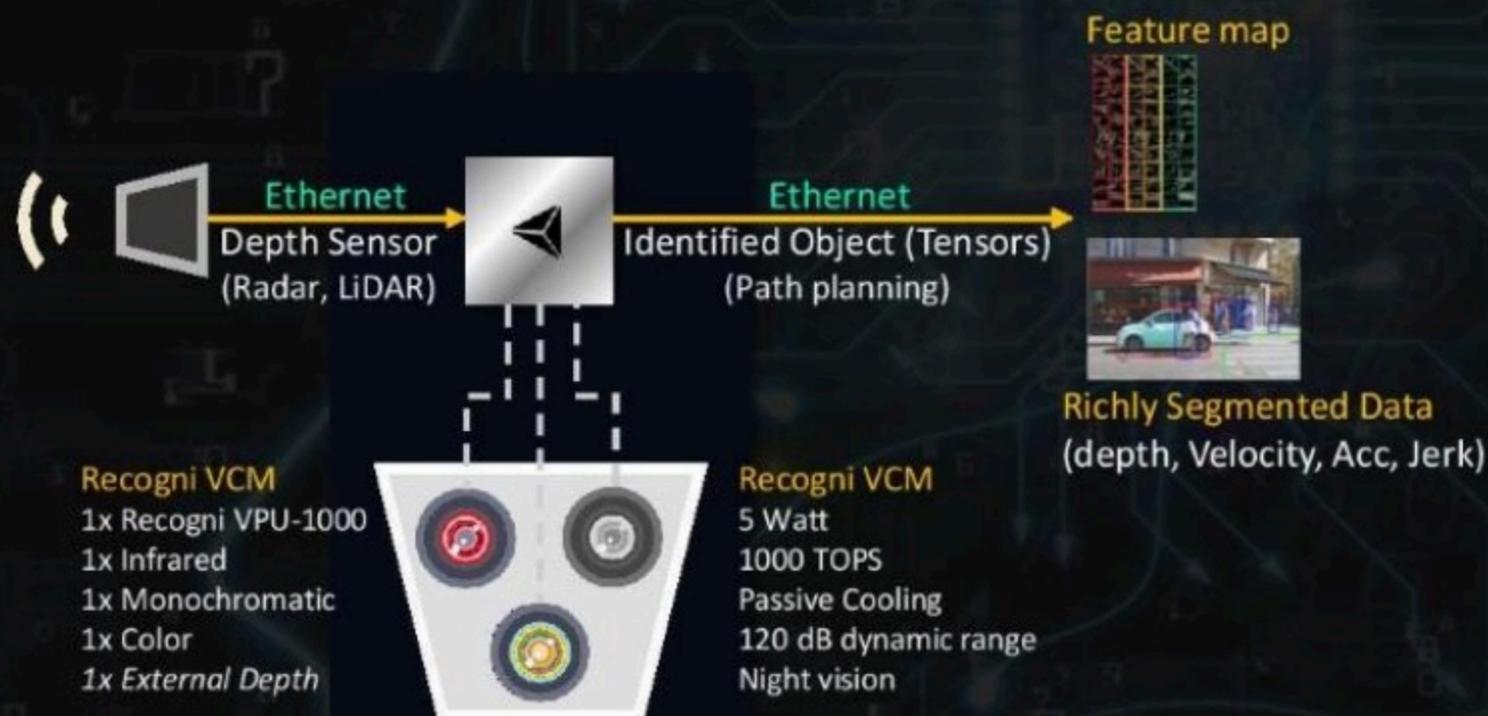
Level 3+

LEVEL 3+ : minimal configuration
Camera 8x | Radar 5x | LiDAR 4x



Recogni technology could address even Level 2+ market

The Recogni Technology



Ongoing technical engagements and commitment to invest from several automotive OEMs and Tier-1 parts supplier



< 100W to process 95% of all AI workload for the entire vehicle

* It would take over 26KW for the competition to do the same

The Founding Team



RK Anand
CEO

Computer Eng
(Syracuse University)

Founder & CEO OttoQ
President & CEO Kumu
Founder & VP Engg Xsigo
EVP & GM Juniper



Eugene Feinberg
Technology

Computer Eng
(Carnegie Mellon University)

Founder & CTO mPerpetuo
Founder & Architect EyeFi
MTS Cisco Systems
MTS Growth Networks



Ashwini Choudhary
Products, Marketing, BD

Electrical Eng
(Georgia Institute of Technology)

Founder & COO mPerpetuo
President & CEO Ventiva
Founder & CEO NetFortis
Founder Aarohi Comm



Gilles Backhus
AI

Electrical Eng
(Technical University Munich + CDTM)

Sensor Systems Liliuim
AI Lead Konux
Development Engg Kumu
ML Scientist Gauss



Valerie Chan
Operations

Economics
(University of Michigan)

Founder & CEO Forq
VP Ops EyeFi
VP Biz Dev Warpia
VP Sales Faircom



Perfectly suited to build a **differentiated technology company**

Summary

Competition

No one with this level of power/performance

Innovations

Patent protected
7+ Provisionals filed

Multi Billion \$

Autonomous Vehicles
(Level 3+)

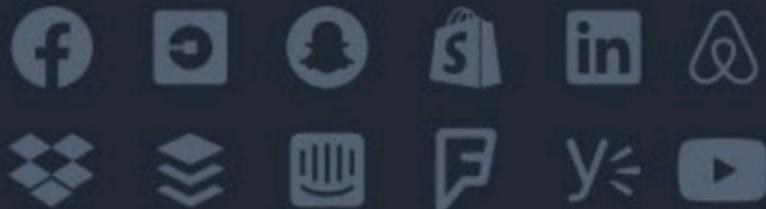
Fastest **perception engine**



Lowest **Photon-to-Intelligence** latency

>200 times power efficient compared to other accelerators

Recogni will change the trajectory of **Level2+ Autonomy** market



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