The Open Road to Autonomous Driving

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It’s not just about the cars anymore, automakers are in the software business.
Fragmentation hinders innovation
Open Source
the new norm for software development
“If software is eating the world, then Open Source will chew it up”

Adrian Bridgwater, Forbes

- 3.8M open source contributors globally
- 31B lines committed to open source repositories
- 110+ open tech startups that raised funding
- 10 open tech companies valued over $1B
- $2.4B venture dollars invested in open companies
Open Source is more secure

- Code transparency
- Broad support base
- Shared best practices
Collaborating to build the car of the future through rapid innovation
Automaker support for AGL
AGL: an open operating system
the de facto standard for the industry

Code first
Reduce fragmentation
Foster an ecosystem
Decrease time-to-market
Drive rapid innovation
850 developers contributing
60% membership growth

AUTOMOTIVE LINUX
2017
AGL ecosystem: 105 companies
Unified Code Base (UCB) infotainment platform
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Autonomous Driving

the only organization addressing all software in the car
Roadmap for ADAS and AD

- High performance Linux-based platform with support for major manufacturers of Radar, Lidar, Cameras and Sensors
- Full support for interconnectivity between devices
- Add OpenCV for visualization
- Integrate AD algorithm contributions from major OEMs
- Achieve ISO26262 ASIL B certification
Crowdsourcing 3D mapping data

- AGL will be in millions of cars soon
- Collect 3D mapping data
- Build a crowdsourced database of mapping data from OEMs
- OEMs can use the data for advanced AD algorithms and decisions
AGL is looking for experts in the areas of AD, ADAS, Func Safety

Join us and help us build the industry standard platform!