Gap between AGL community and Product

AGL community

Reference Board
Porter, Minnow, Vayu, NXP, DragonBoard, Raspberry Pi, ...

General Purpose

AGL UCB
(Unified Code Base)

Large GAP

What type of GAP is it?

Product

Car OEM /Tier1 Hardware

Proprietary

Car OEM /Tier1 Software
The goal of RHSA (Why do we develop the 2\textsuperscript{nd} step RefHW?)

Who will use the 2\textsuperscript{nd} step Reference Hardware for what?

1. AGL community uses it for UCB development and official demo.

2. Institute/Tier2 uses it for PoC or demo for proposal.

Research/Educational institute
- Advanced research using vehicles

Tier2/HW parts vendor
- Product proposal (HW parts, cockpit)

App/Service vendor
- Service proposal
- Development tools

Currently, smartphones and tablets are used.

3. OEM/Tier1 uses it for prototype before their products. (Not same as the products)

Tier1/OEM
- Prior evaluation of the new-gen comm. module
- Performance evaluation with the SoC exchange

4. OEM/Tier1 uses it for a base of their products.
Requirements of the 2\textsuperscript{nd} step Ref-HW

OEMs’ opinion:
② and ③ are the main targets of the 2\textsuperscript{nd} step Ref-HW.
(④ is out of scope, and the current Ref-HW is sufficient for ①)

Requirements of the 2\textsuperscript{nd} step Ref-HW are...

• Lego Block Architecture
  (SoC and peripherals are selectable and exchangeable)
• Open and standard interfaces are adopted
• Vehicle mountable (e.g. 2DIN size)