“An Eclipse SDV Ecosystem Landscape” and the “Eclipse SDV Landscape Project”

Christian Heissenberger

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Agenda

- Why Ecosystem Visibility Matters
- Existing success story: The CNCF Landscape Model
- The Eclipse SDV Landscape Project (Proposal)
  - How It Works
  - The SDV Ecosystem Today
  - Future Evolution
- Call to Action & Discussion
- Tomorrow: From Blueprint to Bits

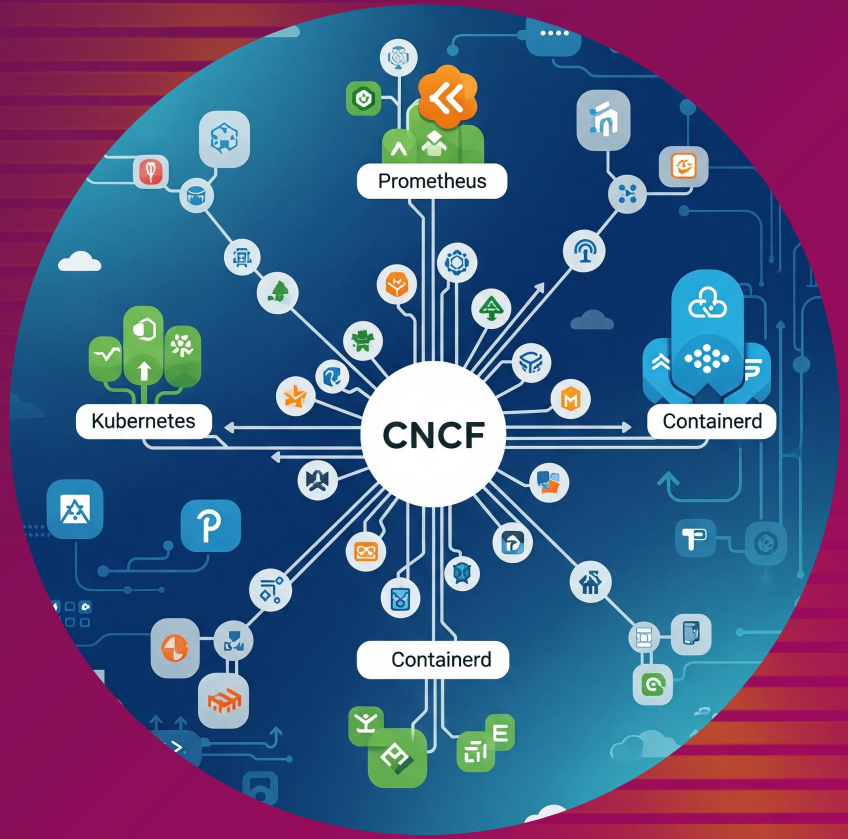
Why Visibility Matters

- SDV ecosystem is growing rapidly
- Helps new community members navigate the ecosystem
- Need for structured transparency
- Showcases the diverse components in the landscape

Complexity without structure slows innovation.

CNCF Success Story

- CNCF Landscape model promotes project adoption
- Helps new users understand the large ecosystem
- Clearly demonstrates community and ecosystem growth
- CI/CD driven
- Ecosystem visibility as strategic instrument



What if we had something similar for SDV at Eclipse?

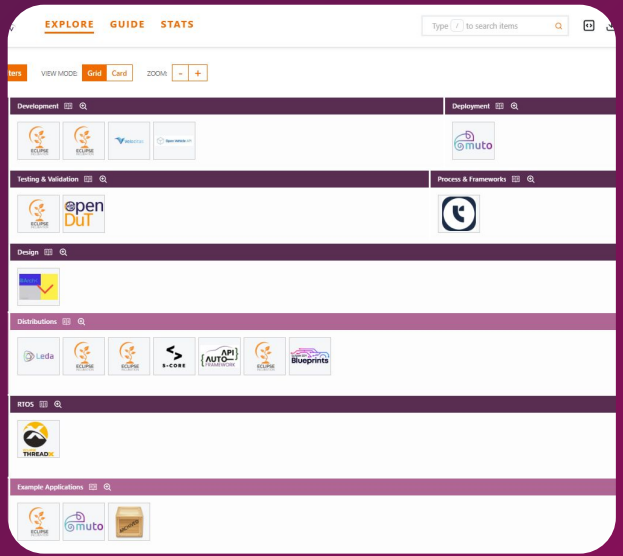
Eclipse SDV Landscape Project

01 We started the Eclipse SDV Landscape Project

02 Helps new community members navigate available projects

03 The project will increase ecosystem visibility and growth

04 Focus on documenting the diverse SDV components

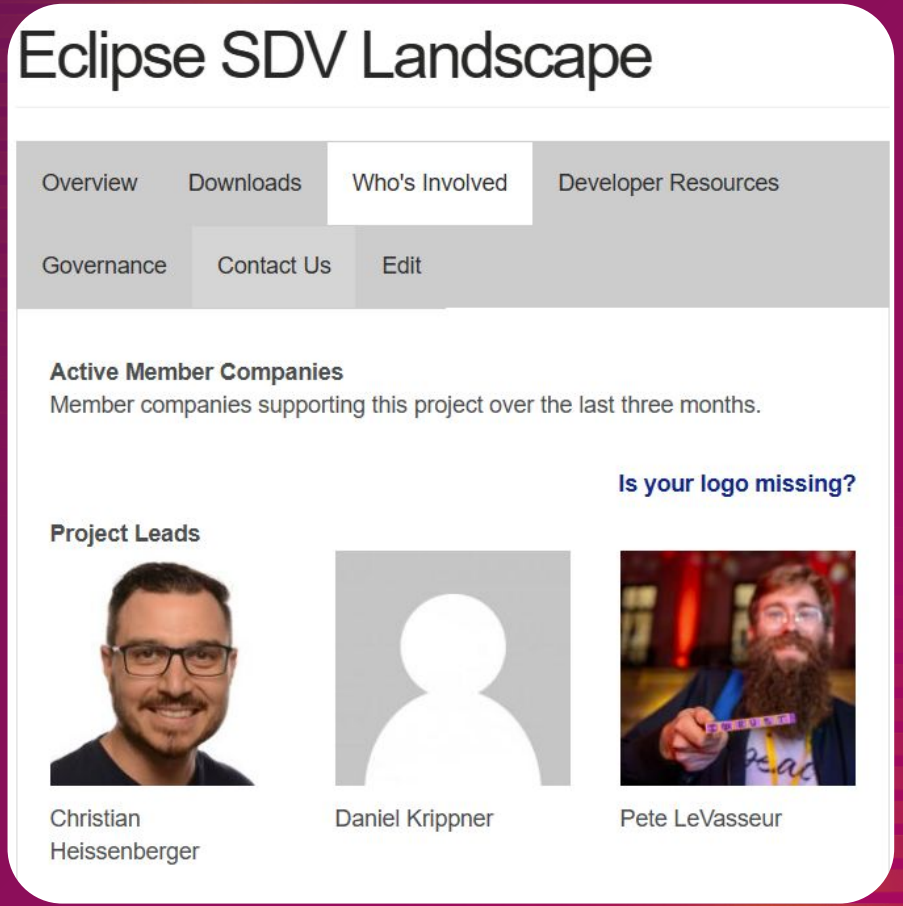


Generated from existing data!

https://projects.eclipse.org/projects/automotive.sdv-landscape/

Who is starting this?

- One Task of the Technical Advisory Committee
  - https://eclipsesdv.org/committees/
- To give a architectural vision of the SDV WG



How Eclipse SDV Landscape Works

- The landscape is visualized on an **interactive website**
- Components are classified by their SDV function
- Projects are added **automatically**
- Project data is sourced directly from **your** Project page

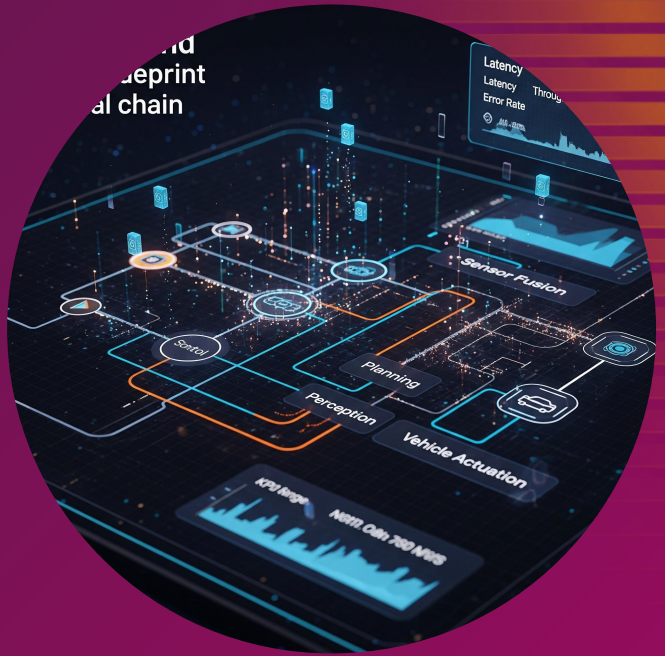
How Eclipse SDV Landscape Works

- Build on CNCF Landscape tooling
- Enhanced workflow of data
- Current landscape shows a diverse set of projects
- Projects are categorized by their specific SDV function

The landscape is a workflow, we just need to feed the right data!

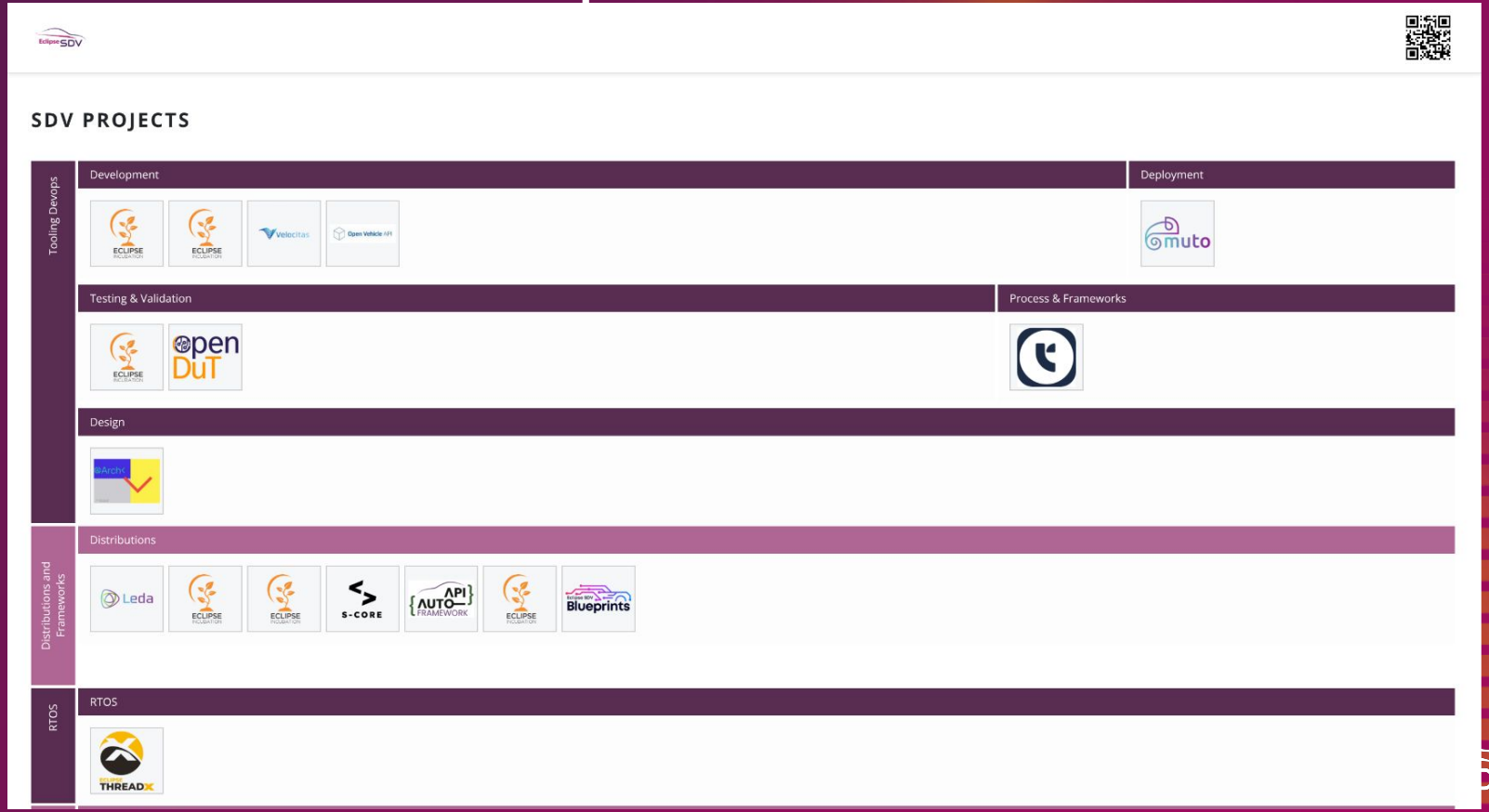
Eclipse SDV Landscape: Already Live!

Website

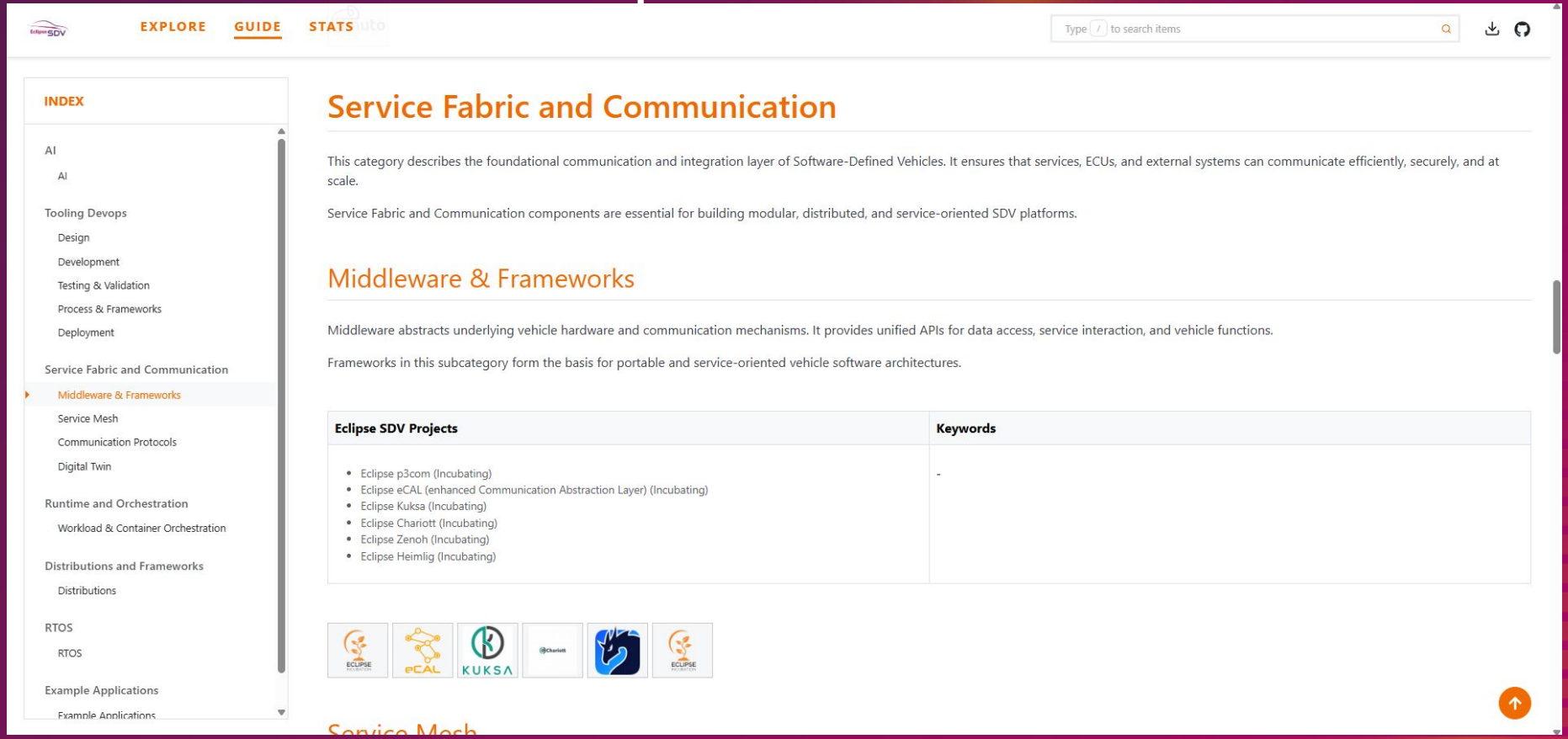


GitHub Repo

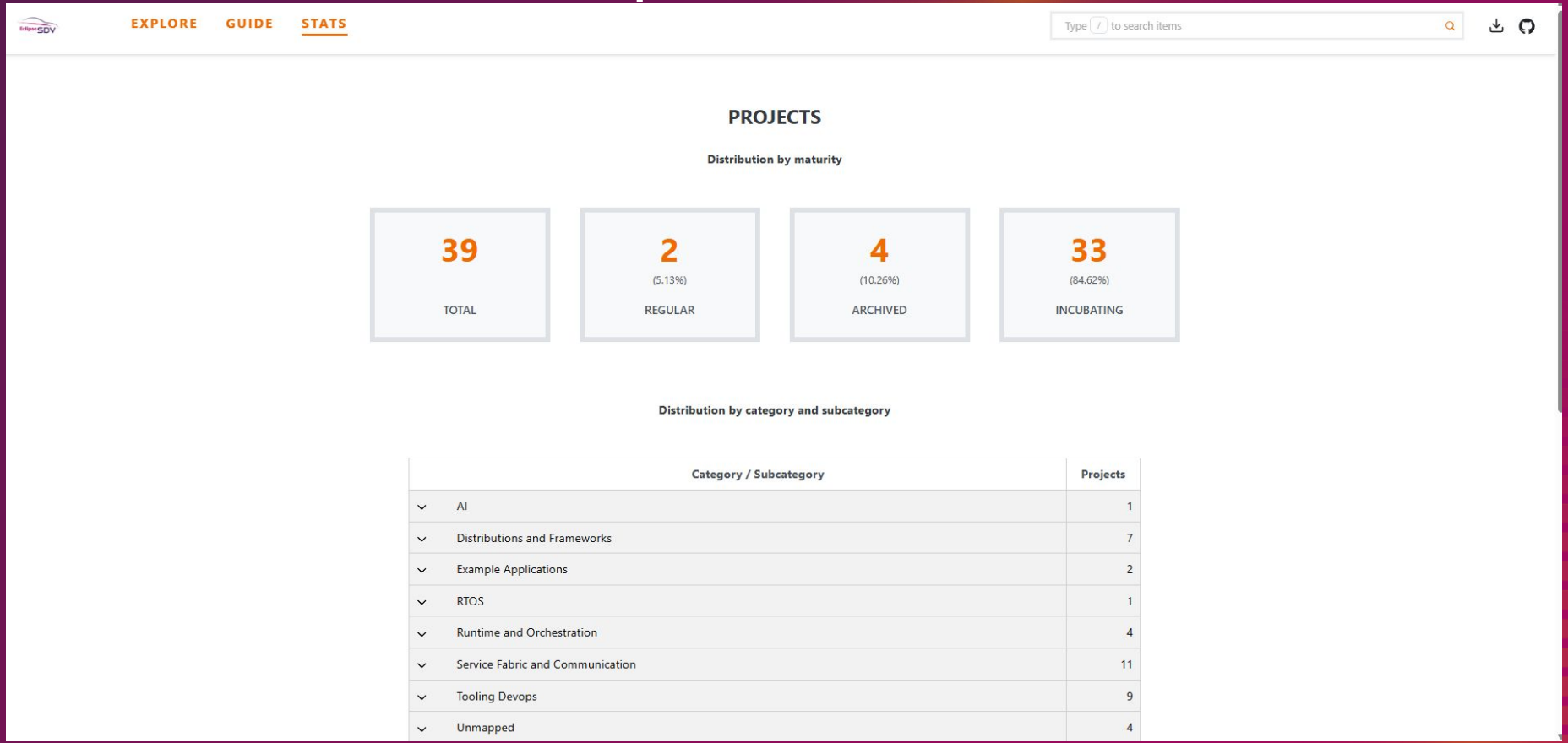
SDV Demo: Backup



SDV Demo: Backup



SDV Demo: Backup



Expanding the Eclipse SDV Landscape

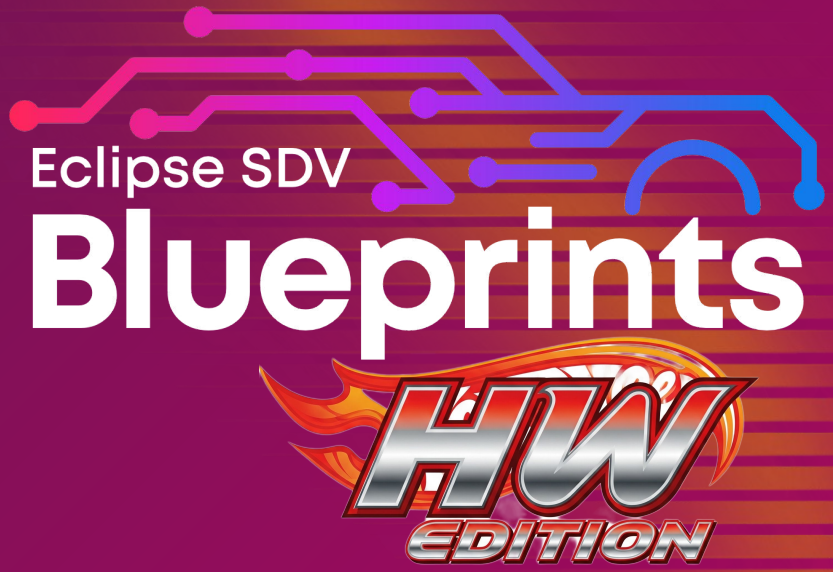
- Focus on expanding project information
- Integrate AGL and other Open Source initiatives
- Categorize new areas of SDV technology actively
- Continuously improve visualization and user experience

YOU are needed! NOW!

- Contribute project data to enhance visibility now
- Provide feedback on categorization and workflow process
- Help drive the future of the Eclipse SDV ecosystem
- Enhance the SDV Landscape workflows and scripts with your Pull Request!

Tomorrow:
From Blueprint to Bits

- **An SDV Hands-On Community Workshop**
- A signal chain from driver input over MQTT and Kuksa Databroker
- down to CAN bus actuation, and all the way up to fleet analytics with InfluxDB and Grafana



And yes

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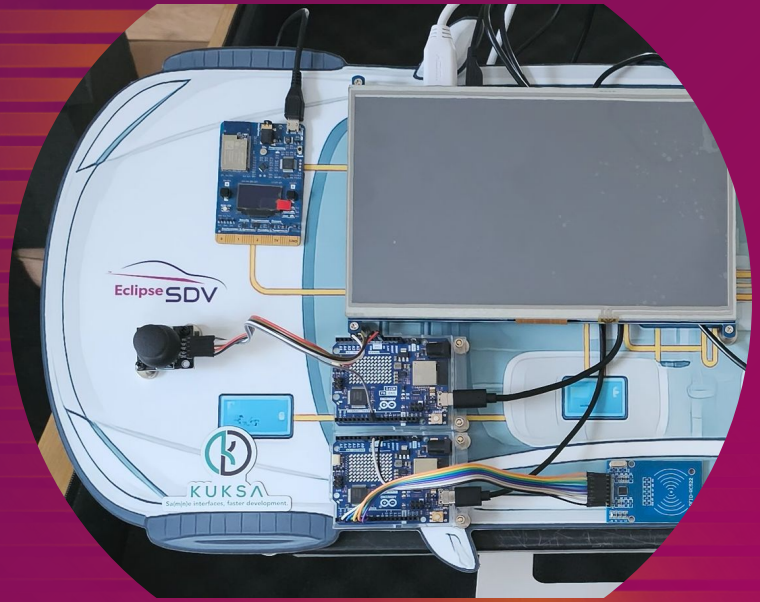
there will be blinking LEDs!



Thank you!