

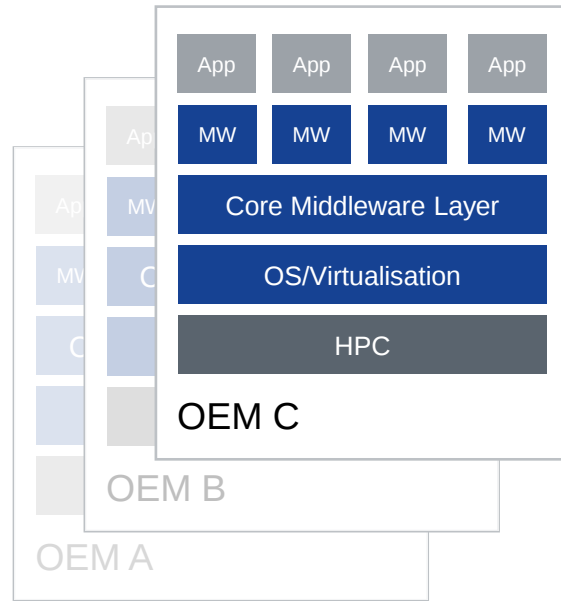
Open Core Approach & Eclipse S-Core

Introduction

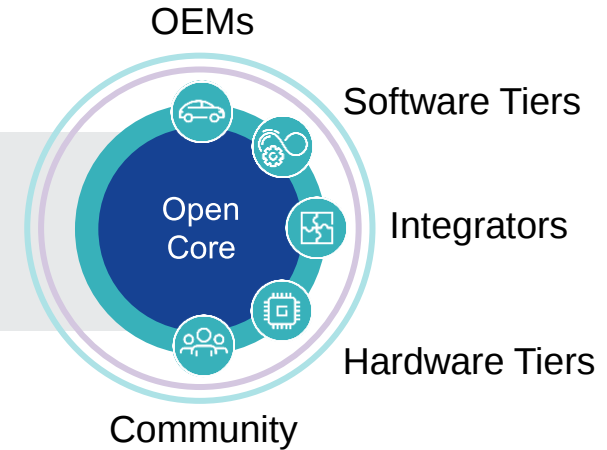
Driving the future

Open core strategy

Save resources to focus on differentiation

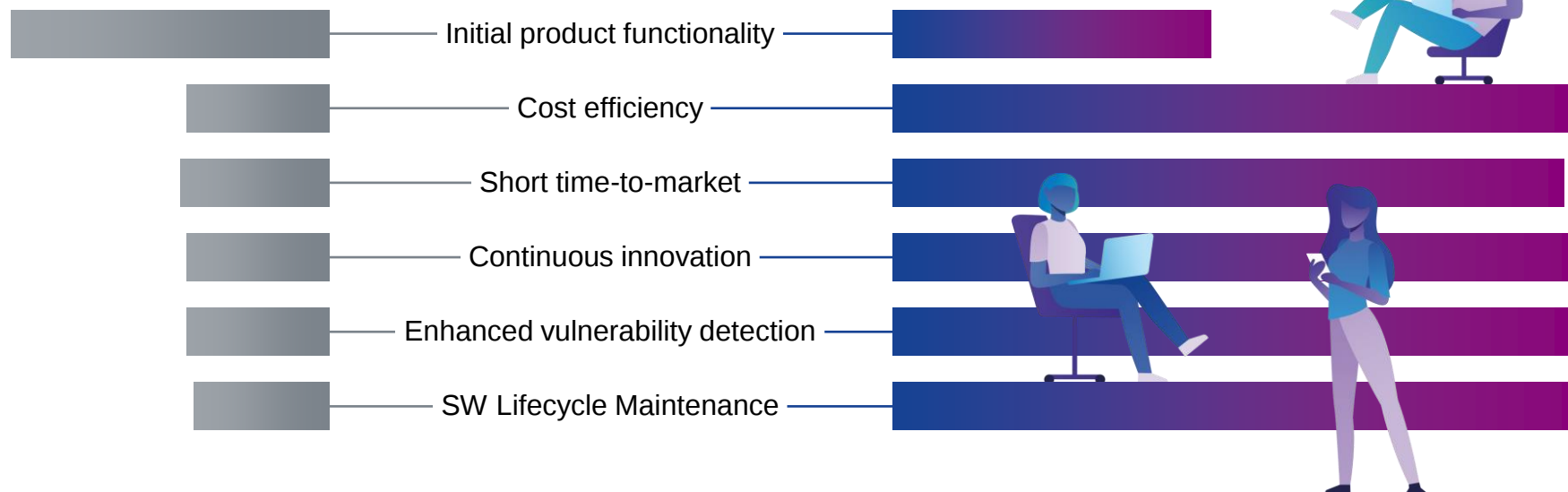
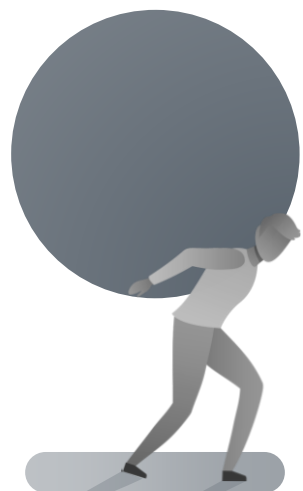
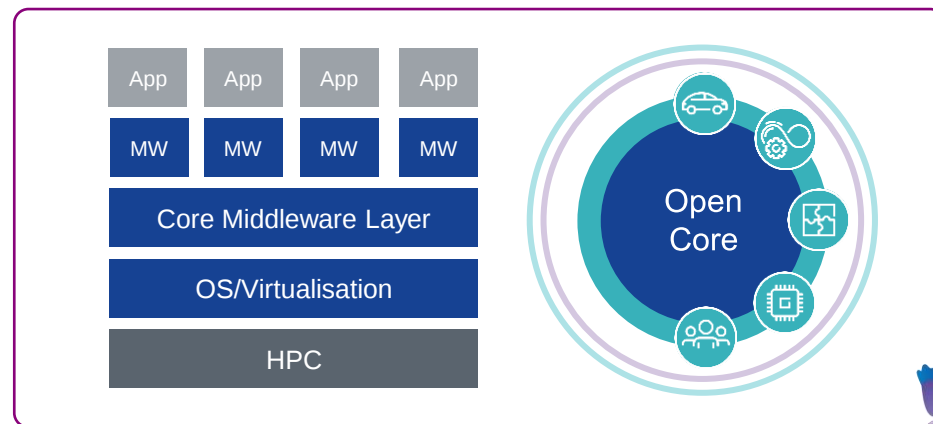
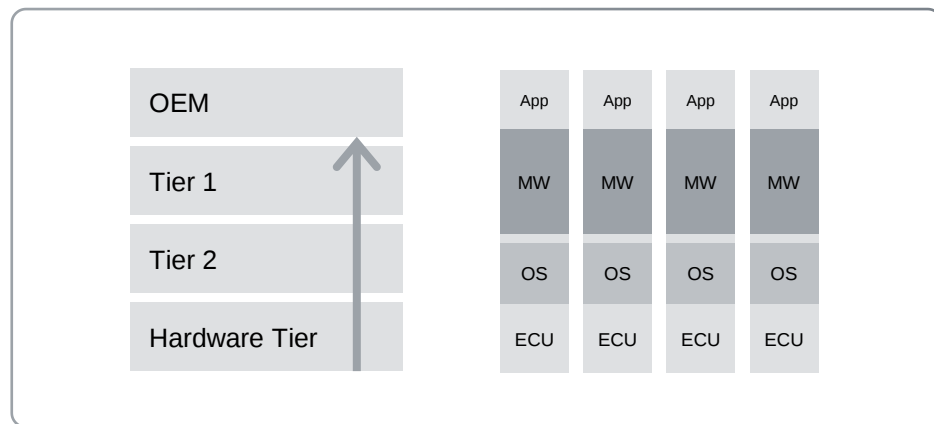


Contribute for collaborative development



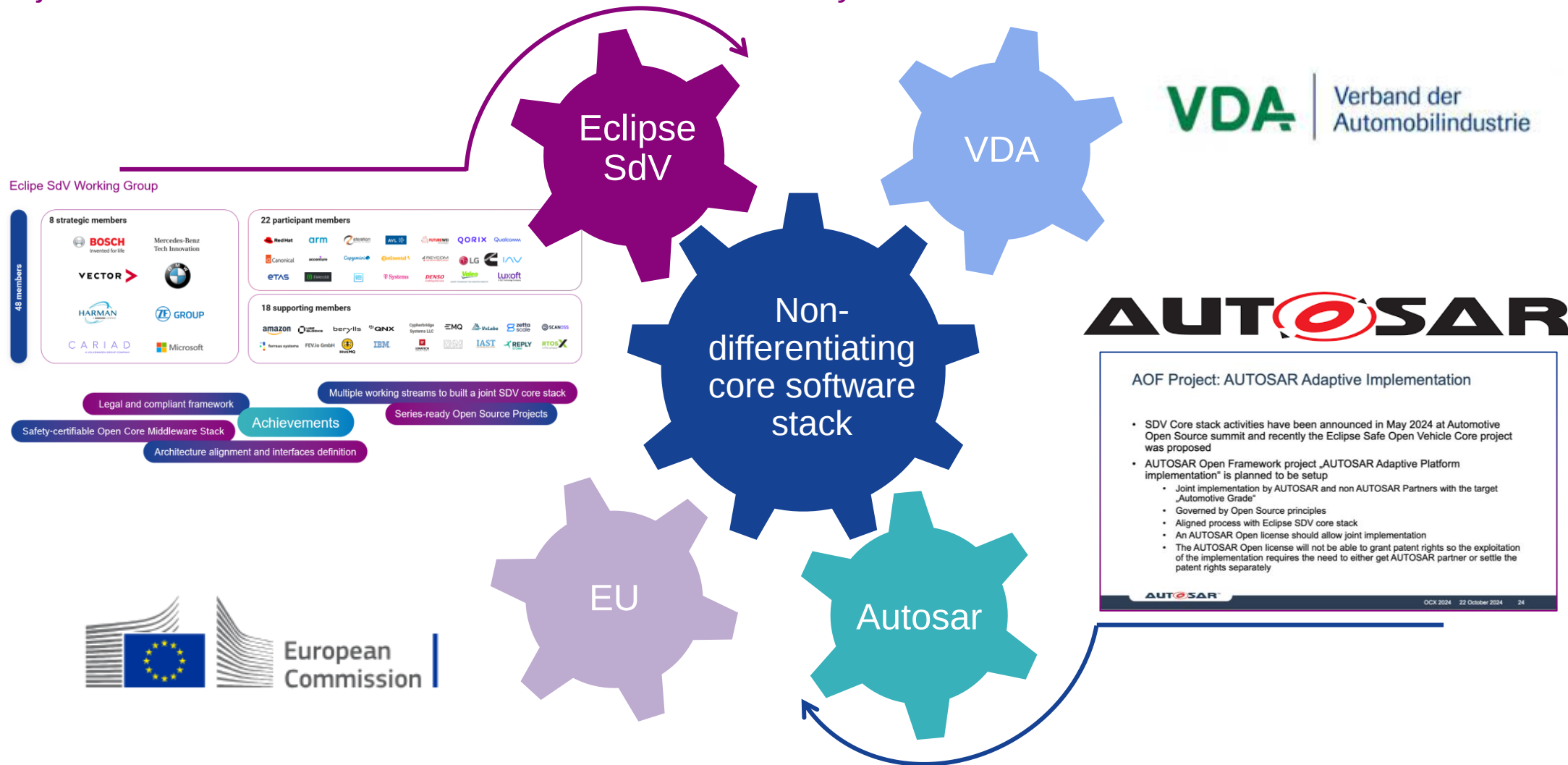
Driving the future

Benefits of the open core strategy



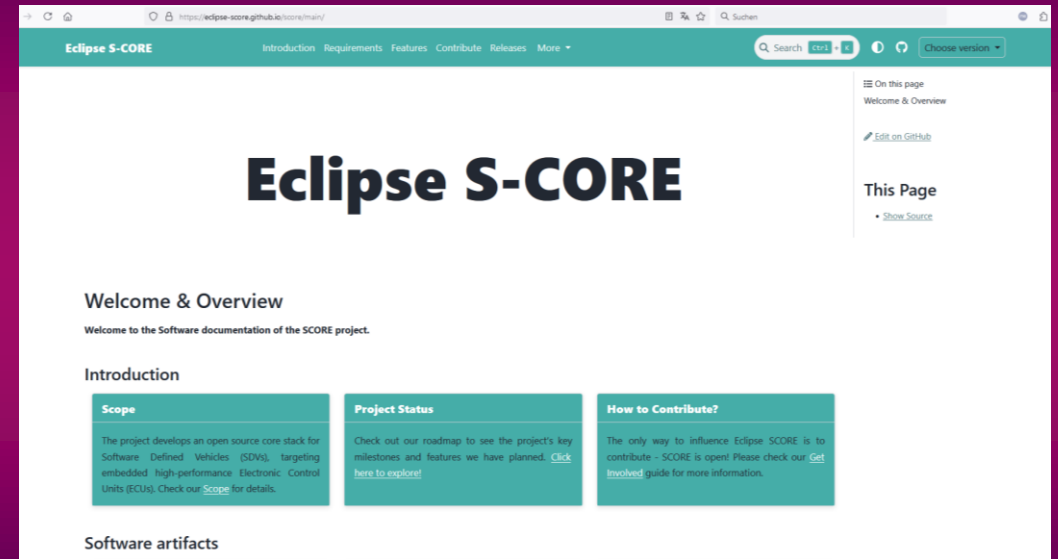
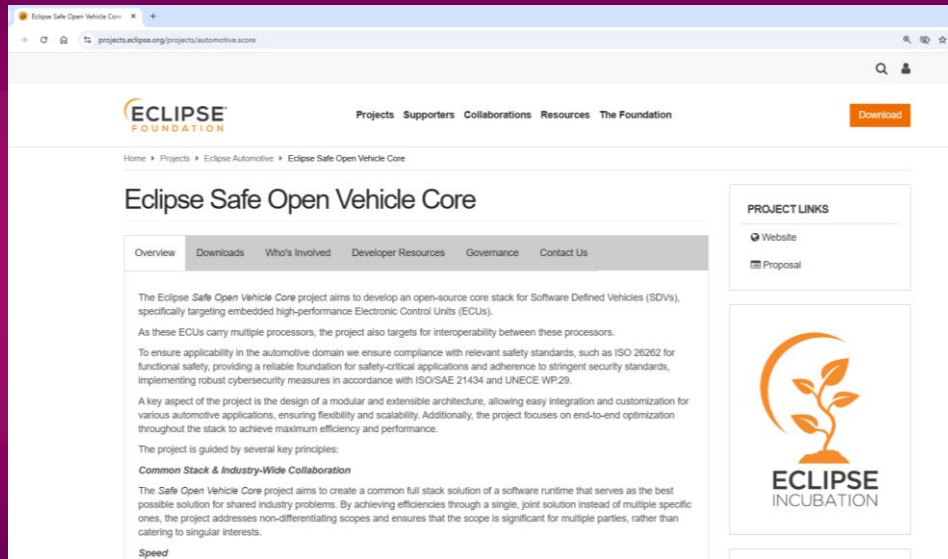
Open source and Autosar collaborating

A joint effort to make software-defined vehicles a reality



The S-CORE Project Is Live!

<https://eclipse-score.github.io/score/main/>



S-CORE Provides a Full Package for SW-Platform Development

CONTRIBUTION



Great leap
in last 3 months



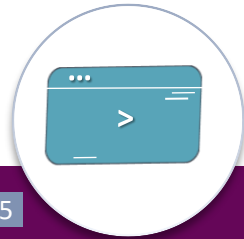
...led to a
huge progress!



Provided by our main
contributors!



RELEASE OVERVIEW



10/'25

Release v0.5

1st public
implementation w/
basis for embedding
into a distribution.

12/'25

Release v0.6

Certifiable, process &
implementation
audited

2026+

Release v1.0

allows starting series
development.

DEVELOPER PLATFORM



GitHub infrastructure...
for code development

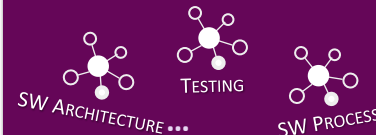


...and collaboration:

5 cross-
functional
teams, e.g.



5 communities, e.g.



TOOLING



Toolchain 'bazel', covers the
complete V-model.



Virtual development
environment QEMU,
allows execution of
S-CORE platform &
corresponding applications.



OS & BSP free for
non-commercial use.



COMMUNICATION



Webpage w/ important
information for potential
members, online since
Q4/'24, upgrade follows
in Q2/2025.

[https://eclipse-
score.github.io/#scope](https://eclipse-score.github.io/#scope)

Ongoing bilateral talks
w/ interested players
in the industry...

We're happy to
welcome new members!



Product

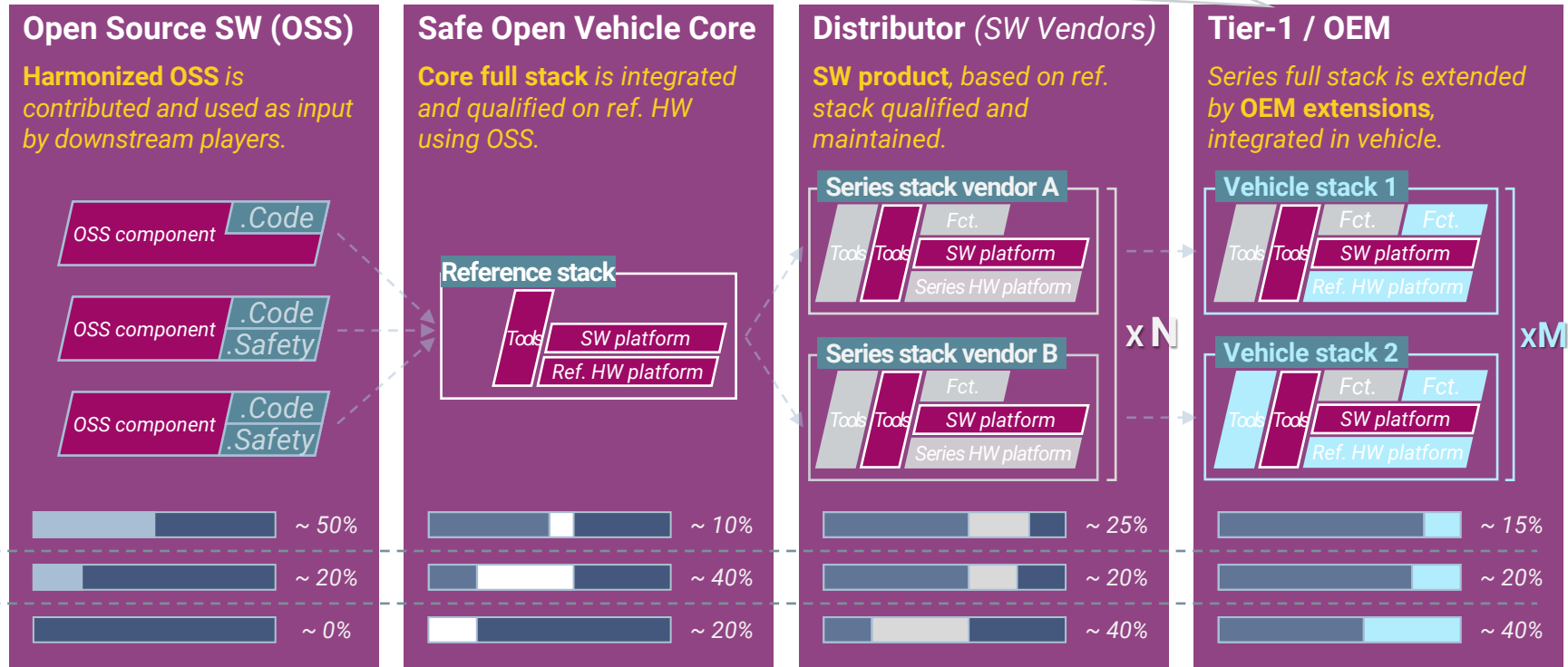
Operations

S-CORE

Challenges – Approach – Roadmap

Shift Left Proposed | Generate a Safe Software Platform With the Open Source Core Stack Approach

Business relationship between vendors and OEMs remains unchanged.



Total Industry Effort

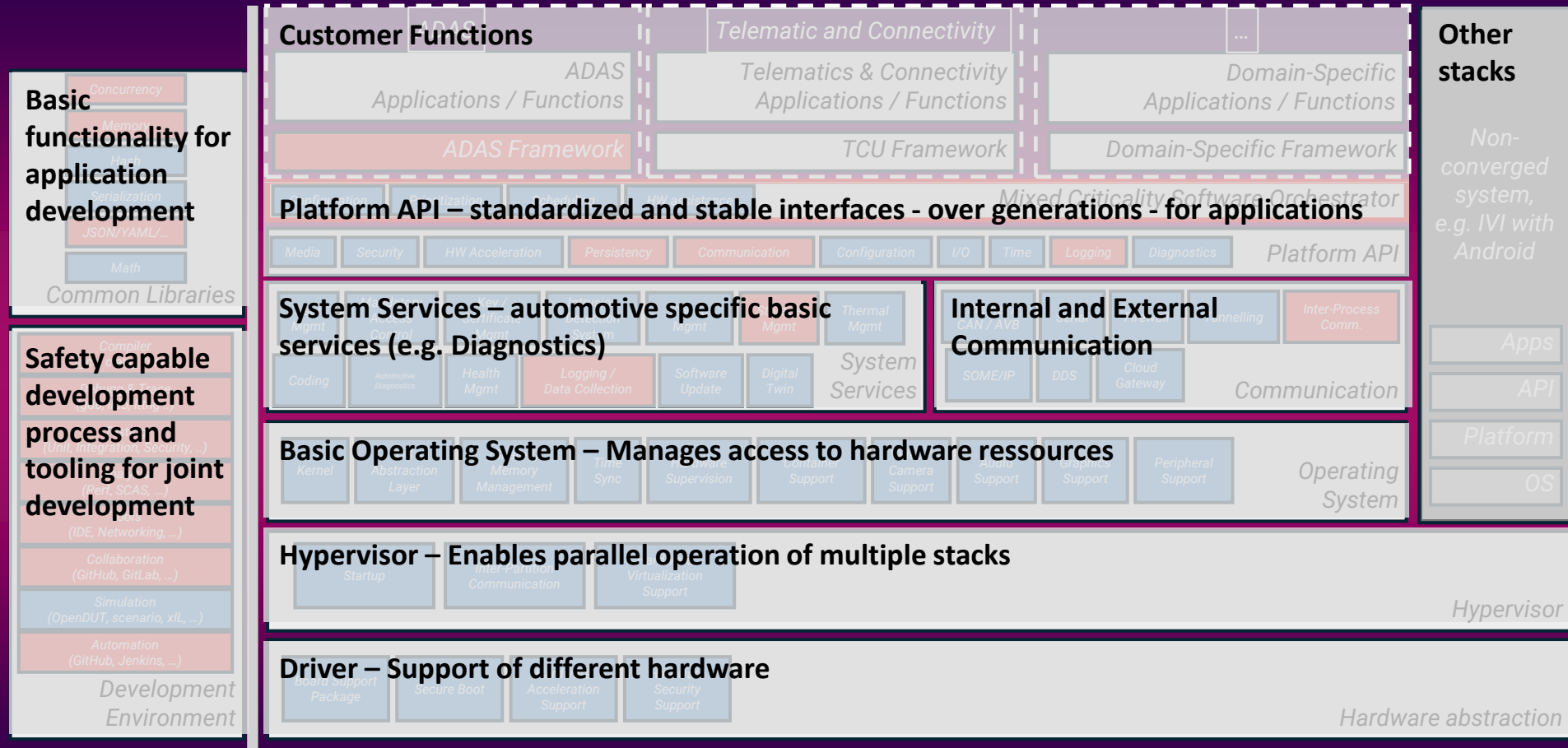
1X OSS contr.

NX vendor contribution

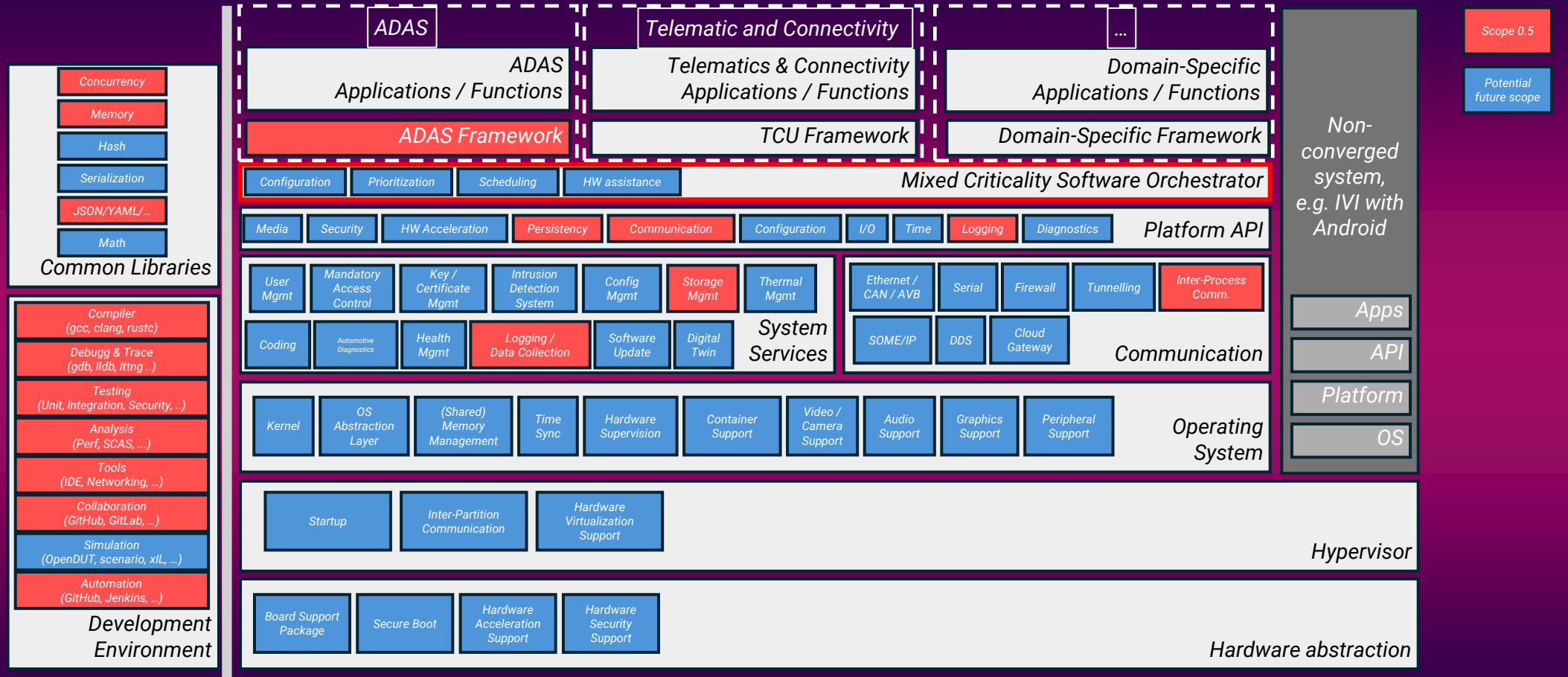
MX tier-1/OEM stack integration

Eliminated non-differentiating effort.

A high level view on the Core STACK



Core Stack 0.5



Audit Results I

Audit done by Exida in „S-CORE Incubator“, in the areas

- *Safety Management*
- *Change Management*
- *Requirements*
- *Architecture*
- *Verification*

Audit Report available

Audit done by Exida in „S-CORE“, in the areas

- *Transfer from Incubator to S-CORE*
- *Implementation (Detailed Design and Coding)*
- *Unit / SW Integration test*

-> No blockers detected so far



ISO 26262 Safety Audit Report Intermediate Summary

Project:
SCORE Open Source

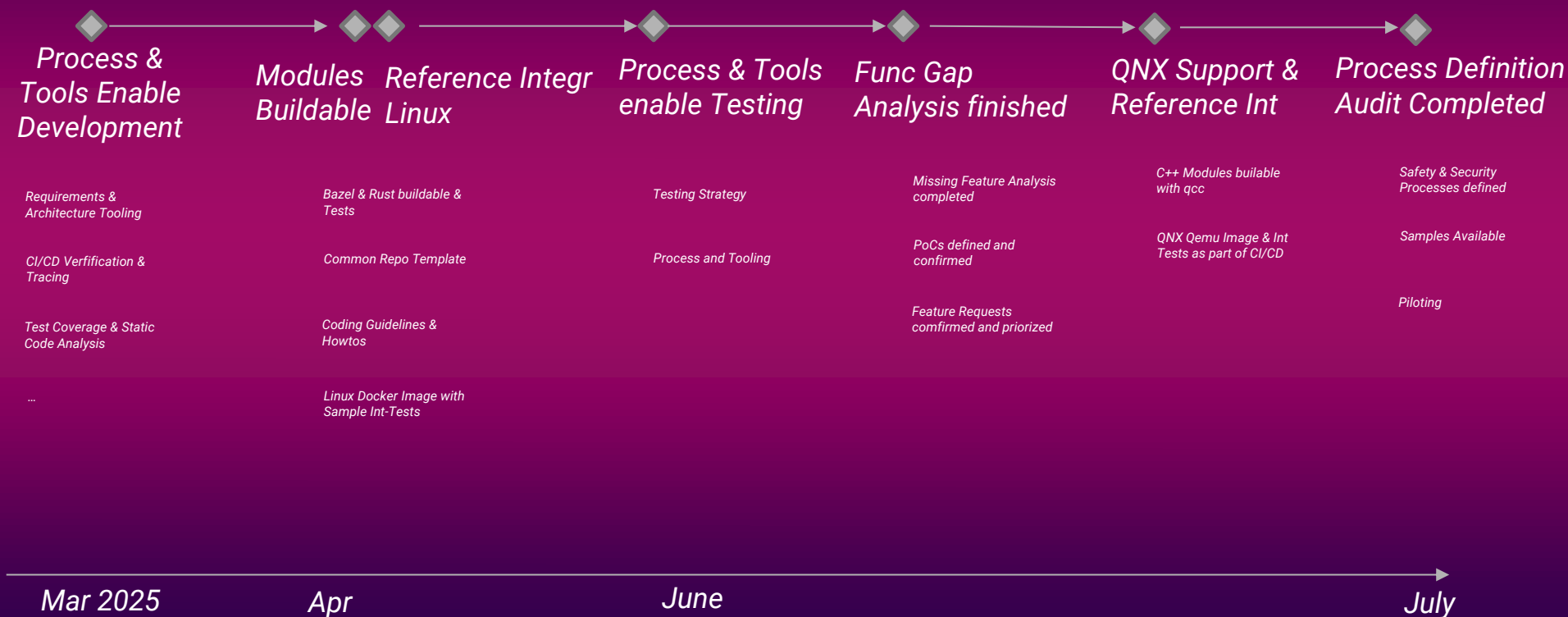
Customer:
BMW AG
Munich
Germany

Project: 19/02-152_2025
Report: R087

Version 1, Revision 0, March 2025

Alexander Eggerer, Peter Müller

Roadmap Release 0.5



Roadmap Release 0.5 and beyond

