



# AUTOSAR in an OSS World

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20.05.2025

European SDV Ecosystem Summit 2025

Neubiberg – Munich, Germany



**BOSCH** Continental



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# Agenda

- ▶ AUTOSAR Adaptive Implementation and OSS development
- ▶ Common AUTOSAR Adaptive Implementation
- ▶ Collaboration with other organizations

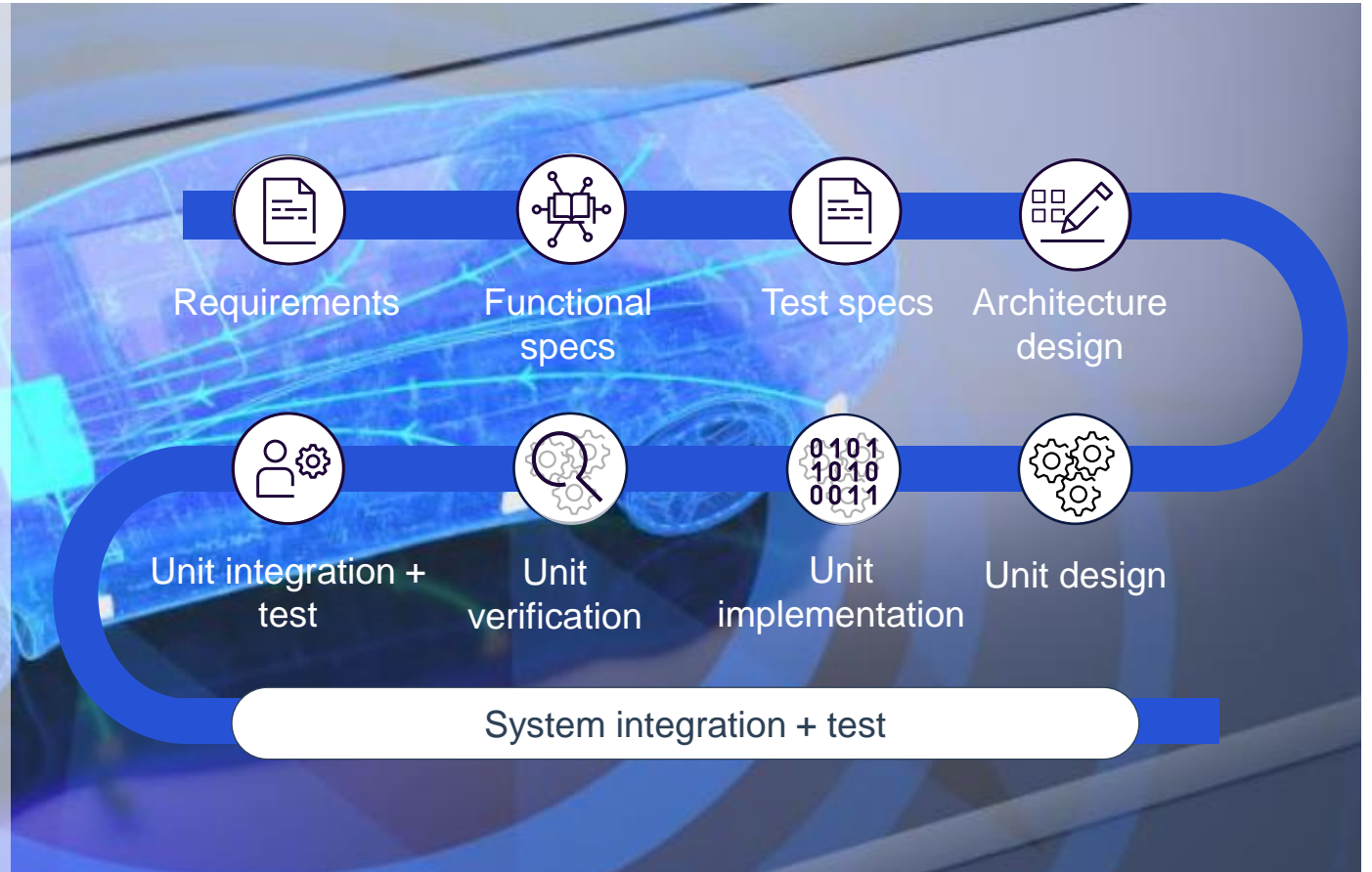
# Current challenges within the industry

We as an industry needs to align on the goal to minimize development efforts.

Developing a safety qualifiable full stack means high effort on everyone's side.

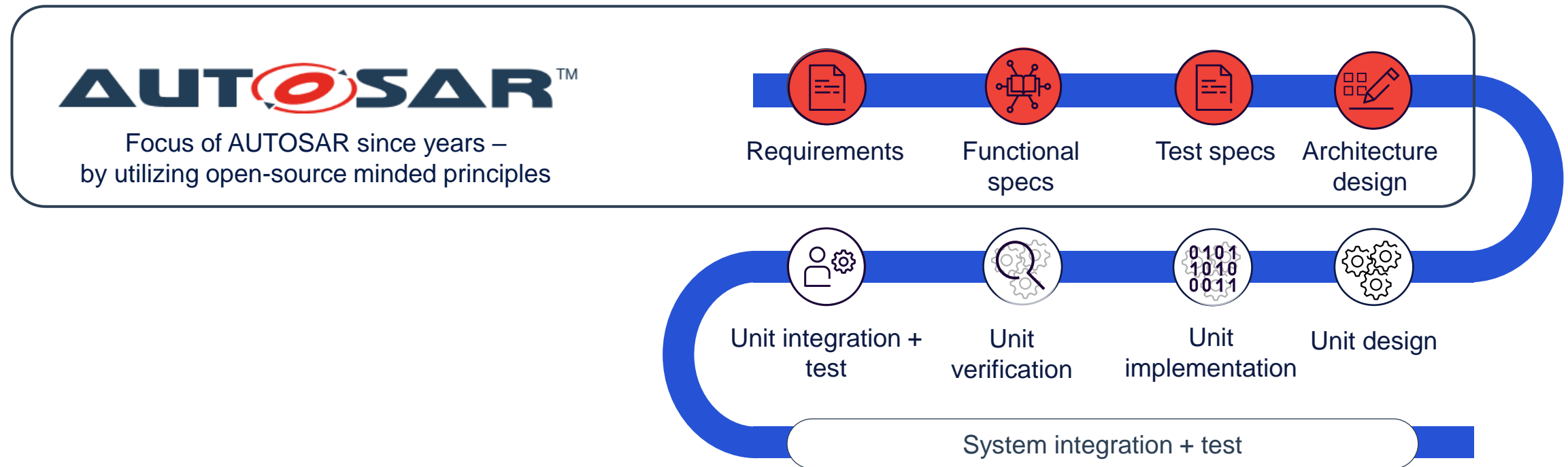
Reducing this effort is one of the key goals of the industry.

The industry needs to focus on eliminating non-differentiating efforts.



# Current contribution of AUTOSAR towards challenges of industry

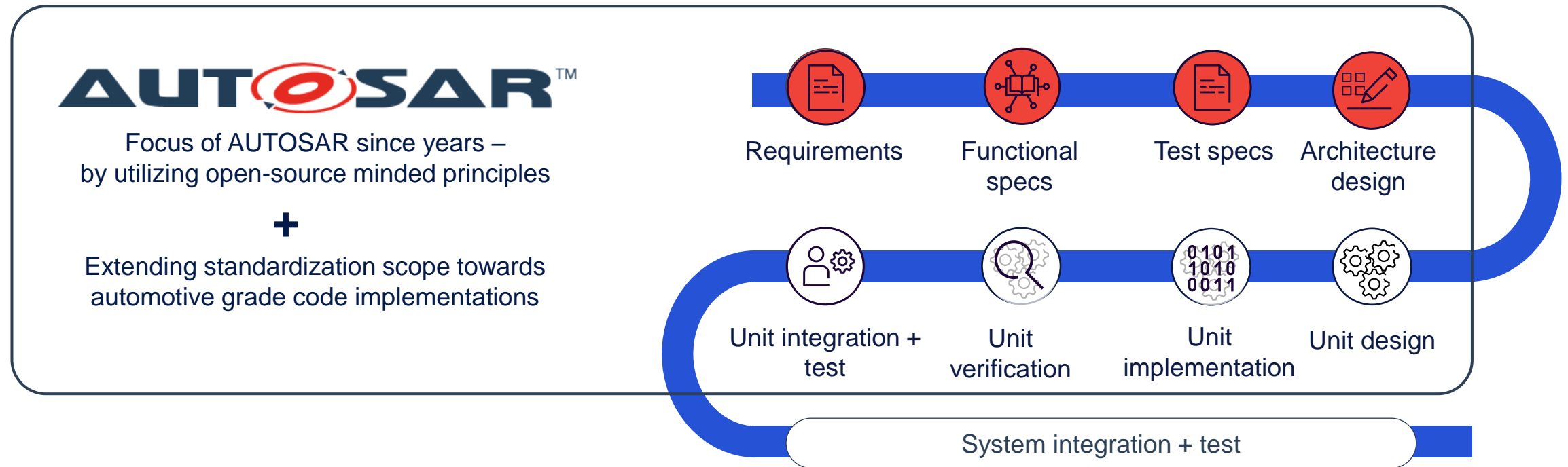
On specification level AUTOSAR provides for year's solution towards the industry.





# Foreseen contribution of AUTOSAR towards challenges of industry

Goal do eliminate non-differentiating efforts will in future not only be limited to specification and arc designs aspects but expended towards implementations.



# Expending towards Automotive Grade Code Implementation

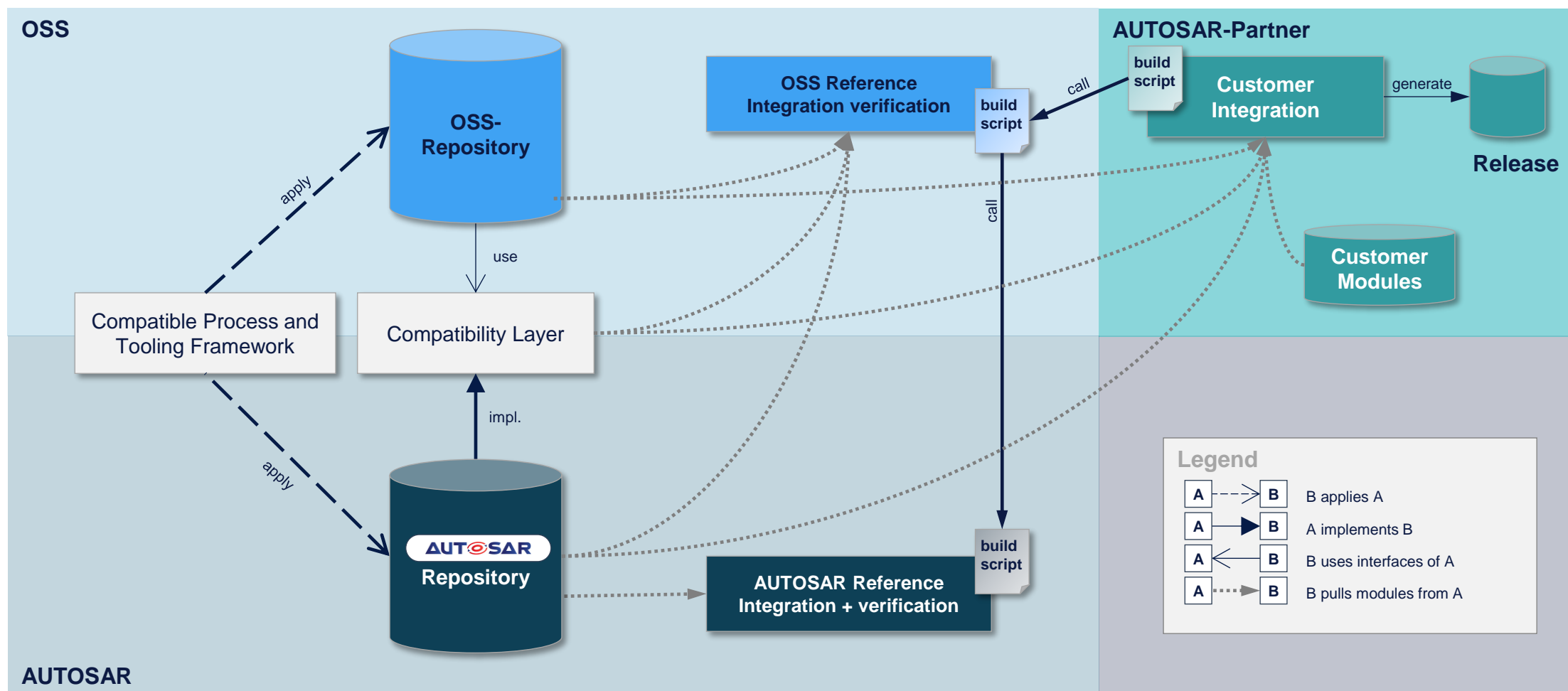
Expending AUTOSAR towards automotive grade code implementation means providing an already fitting puzzle part towards SDV. A working model for OSS collaboration will make the puzzle complete.





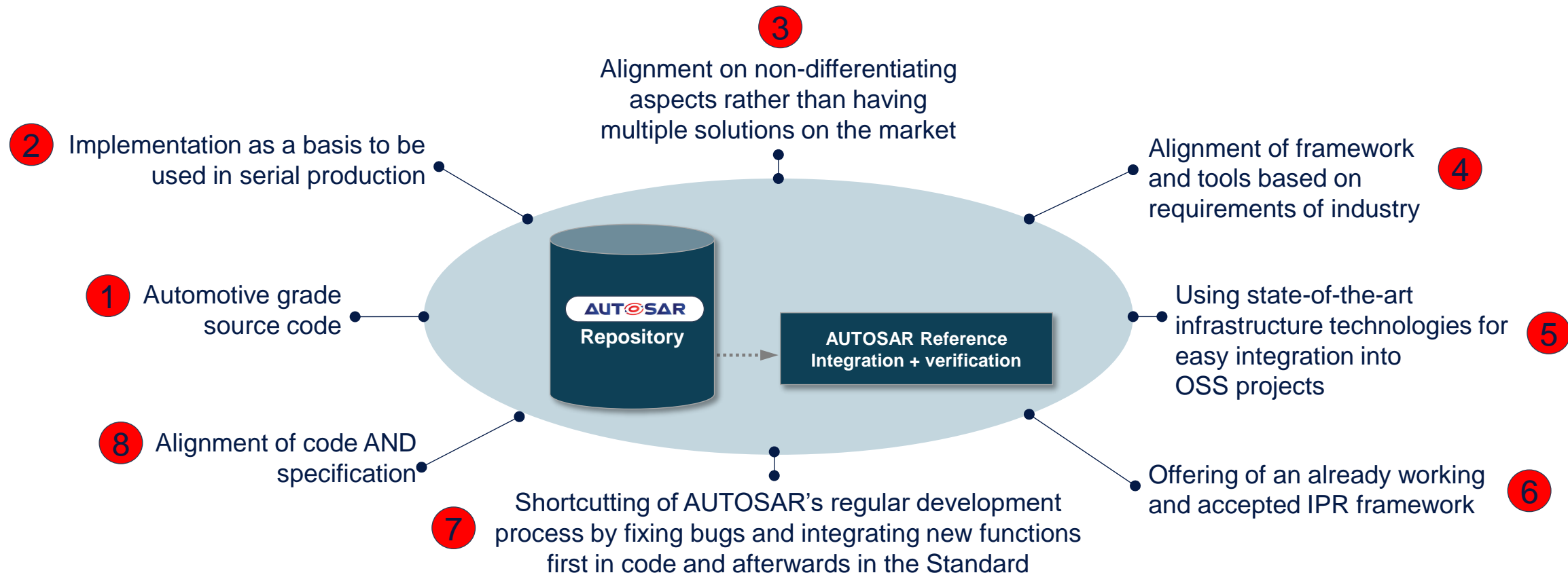
# OSS Collaboration

## Working model



# Common AUTOSAR Adaptive Implementation

AUTOSAR is enabling the framework for a common AUTOSAR Adaptive Implementation which is accessible by OSS projects and commercially useable with according exploitation rights.



**JOIN the common Adaptive Implementation now and HARVEST reduced efforts in the future.**



# AUTOSAR Collaboration

3<sup>rd</sup> Party Collaboration – Overview of initiatives we work together\*

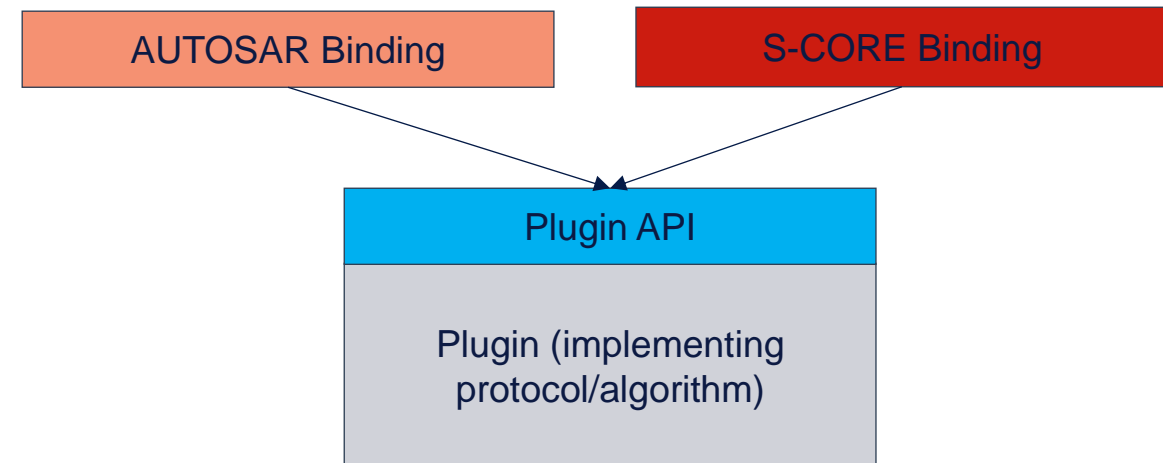


\*In alphabetical order

# Eclipse S-Core proposal

Current Status of collaboration discussion

- Ongoing alignment on processes and tools for the AUTOSAR Adaptive Implementation
- Work on a plugin concept that allows use of shared source code on protocols, initial discussion on
  - End-to-End (E2E) Protocol
  - SOME/IP Protocol
  - SOME/IP Service Discovery Protocol
  - Log and Trace Protocol
  - Network Management Protocol
  - Secure Onboard Communication Protocol
  - Time Synchronization Protocol
  - DDS Service Communication Protocol
  - DDS Service Discovery Protocol



Collaboration possibilities constantly assessed by both, scope and agreement not final



Thank you!



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