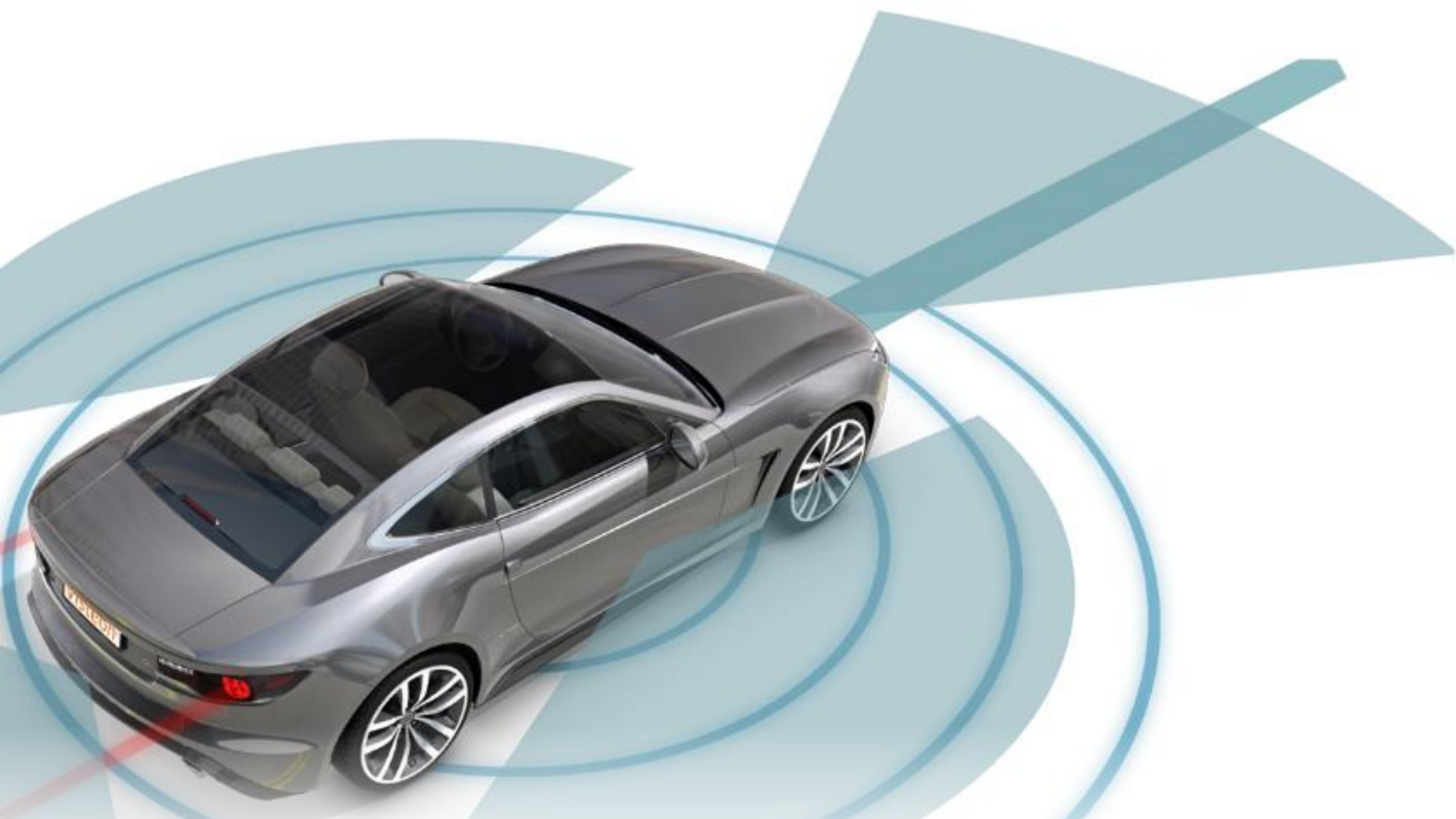


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Autonomous Vehicle Approach

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# Autonomous Vehicle Trends

A futuristic car is shown from a high-angle perspective, with a semi-transparent sensor field or radar overlay around it. The car is silver and has a sleek, aerodynamic design. The sensor field consists of concentric circles and lines, suggesting a 360-degree range of detection. The background is a light, abstract geometric pattern.

Fail-safe, secure  
centralized  
computation

Open for algorithm  
developers

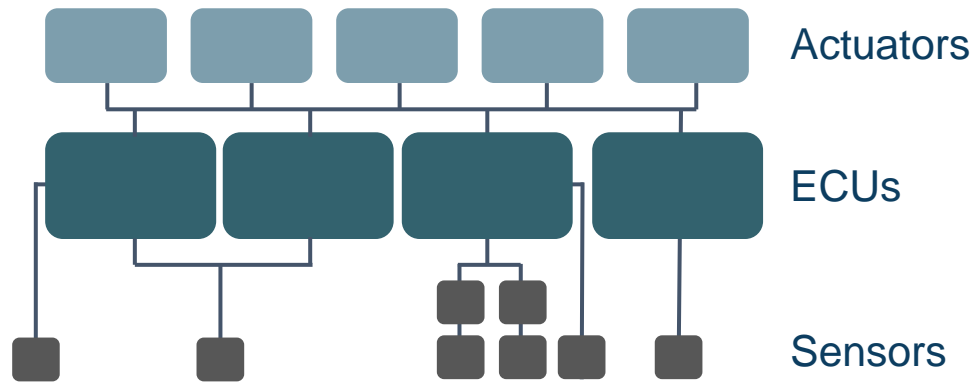
Control by neural  
networks

Collaborative approach to rapid algorithm development based on  
neural networks leveraging sensor fusion

# Our Evolution to Autonomous Driving

## Today

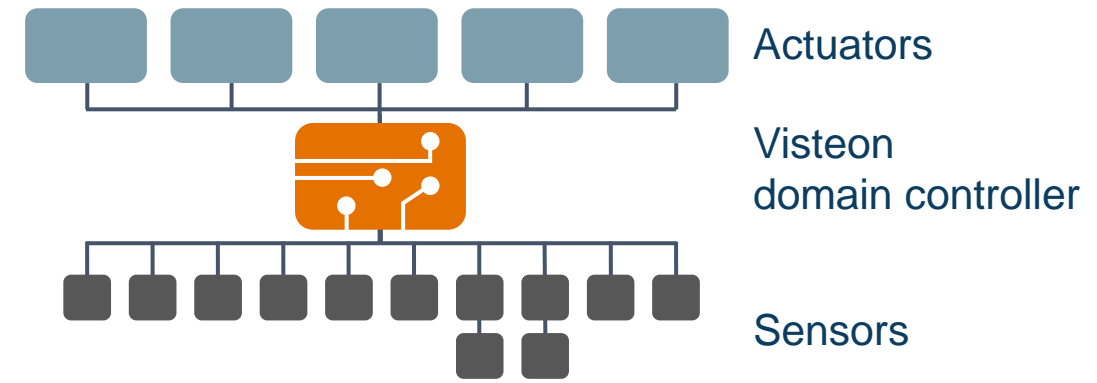
### Distribution on multiple ECUs



- Distributed ADAS ECUs
- Classical use case programming
- Lacking algorithm developer-friendly architecture
- Non-fault tolerant
- Discrete non-scalable system

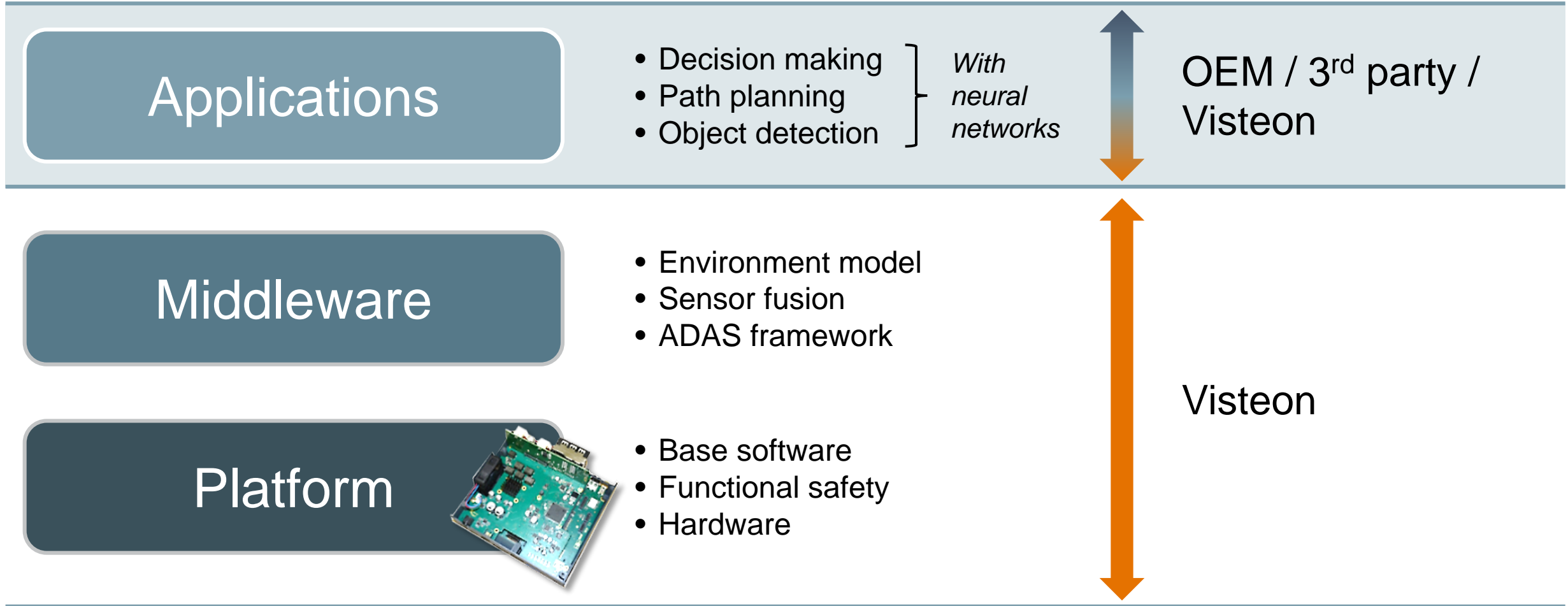
## Future

### One domain controller



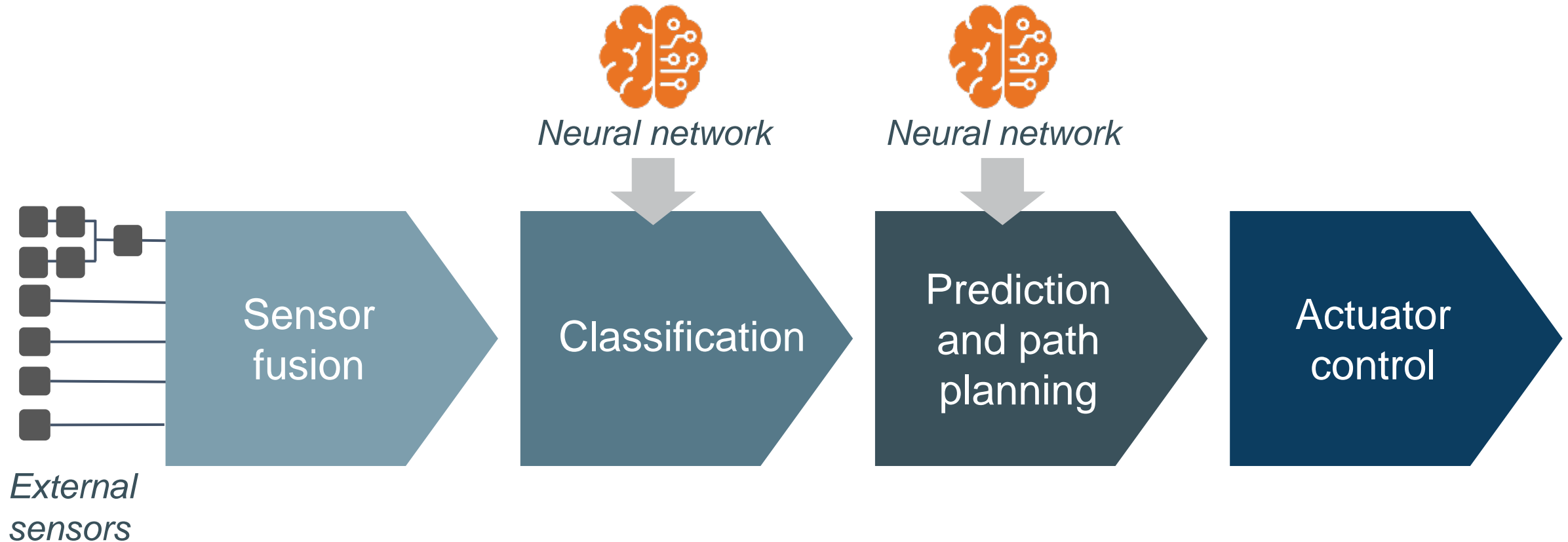
- Centralized domain controller
- Neural network technology
- Open software for algorithmic development
- Secure and fail-safe hardware
- Scalable toward L3/L4 autonomous driving

# Visteon Autonomous Driving Development



Visteon delivers supervisory system technology

# Visteon Neural Networks Evolve Autonomous Driving



Neural networks deliver improved performance, reliability and time to market

# Our Autonomous Driving Value Proposition

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- Neural networks for classification, path planning and decision making
- Open framework works with OEM and 3<sup>rd</sup> party algorithms
- Sensor fusion and sensor agnostic
- Centralized ADAS domain controller scalable to L3/L4

Automotive-grade open platform enables rapid development

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