# **REAL-TIME CONTEXT AWARE REASONING** IN ON-BOARD INTELLIGENT TRAFFIC SYSTEMS

### Arjan Stoter, Simon Dalmolen, Eduard Drenth, Erik Cornelisse, Wico Mulder



# In-vehicle information management

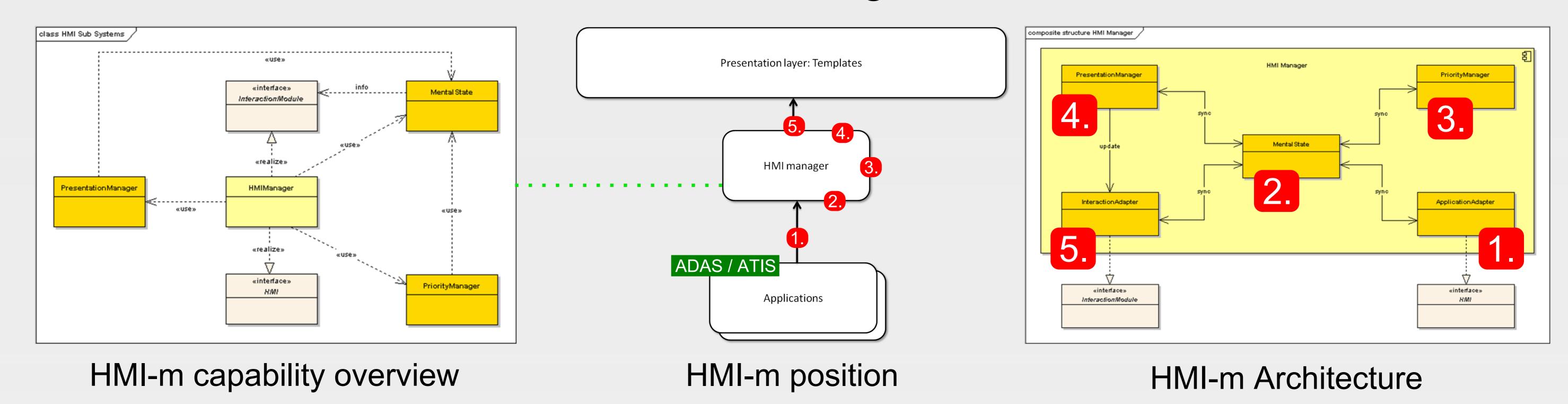
Provide drivers the information that they need: prioritize based on context.



3

4

#### HMI manager



Information is sent by applications as messages with properties "importance" and "urgency".

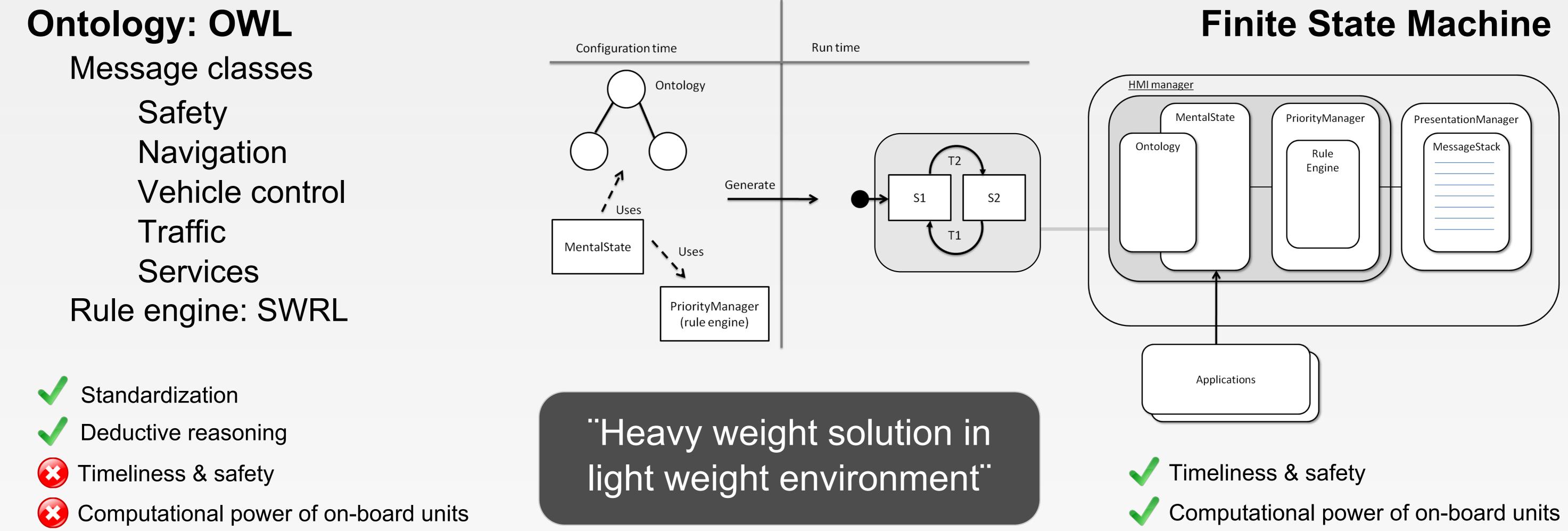
MentalState stores/shares messages received from applications: context of information. Ζ.

PriorityManager uses importance/urgency/MentalState to determine message priorities.

Presentation templates are loaded upon request 5, from the PresentationManager.

## **Configuration Time**

#### Runtime



#### Logica, Prof. Keesomlaan 14, Amstelveen, The Netherlands.

arjan.stoter@logica.com



