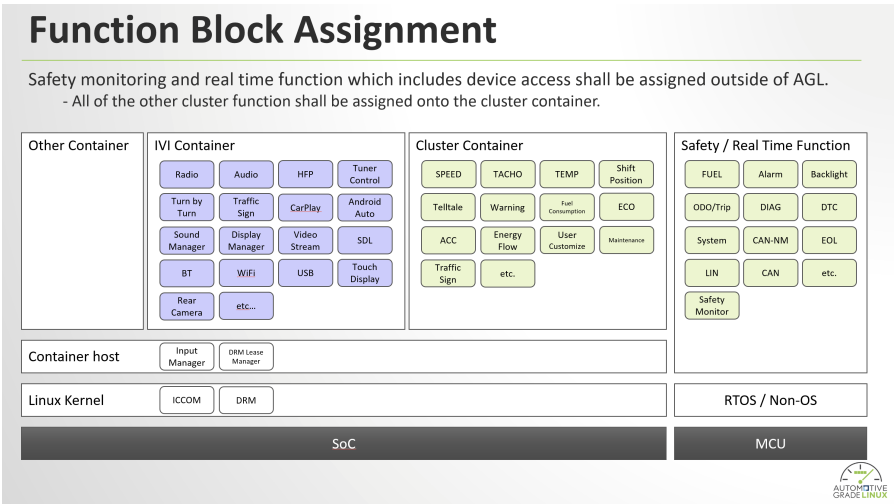


Use Cases

Defined use cases from IC-EG



Use case	RTOS Role	Linux Role
Data probing (IO extender)	<p>Get various sensor data from HW IP such as A/D converter, HW timer and more. And micro controller accumulates these sensor data.</p> <p>Get data from vehicle bus such as CAN, LIN, FlexRay and other.</p> <p>These interface require to high frequently interrupt handling.</p>	<p>Get various sensor data packed by RTOS.</p> <p>Get vehicle bus data packed by RTOS.</p>
Output control (IO extender)	<p>Control motor using micro controller PWM port.</p> <p>Control electromagnetic relay and other.</p>	<p>Set output status to micro controller port.</p>
IO control	<p>Control motor with feedback loop.</p>	<p>Set output status to micro controller port.</p>