The reference AD WG is responsible to drive AWF toward a reference Electric and Electronic Architecture for autonomous mobility platforms.  
The new WG can come up with a reference platform which is best suited to run Autoware Core or extended to run Autoware Universe.

# Working group leaders

* Daniel Shih (TIER IV)
* Li Stephen (AutoCore)

# Working group goals

The reference AD WG can get off the ground quicker by setting minimal viable outputs:

## Short-Term Goals (within the first year)

* With the help of participants who had good experience with automotive hardware, arrive at an E/E Architecture that can support Autoware Core on an existing target demo vehicle.

## Long-Term Goals (in a time span of two years)

* Examine the approaches of domain controller architecture and zonal architecture, and propose how or if Autoware should be configured to handle both architecture trends.

## Expected participants

* Autoware developers
* Leading sensor suppliers who had experience on a physical vehicle and datasets collected for their sensors that can be shared for simulation testing or training
* SoC/ECU suppliers
* ...

## Future Work

* Launching the new WG by April 2023
* Initial draft of demo E/E Architecture by June 2023
* The reference platform is an abstraction of the EEA, and with a demonstration Autoware running on a physical demo vehicle by December 2023

The reference AD WG will coordinate with other WGs.

# Meeting minutes

N/A

# How to participate in the working group

## Weekly meeting information (PLZ UPDATE THE MEETING INFO ACCORDINGLY)

The work group meets weekly at 10:00 Am UTC (subject to change) every Thursday. For meeting information, see the the [Autoware Foundation's events calendar](https://calendar.google.com/calendar/embed?src=autoware.org_6lol0ho5ft0217h8c60pi1fm30%40group.calendar.google.com&ctz=Asia%2FTokyo) for when the upcoming meetings will be held. If you use Google Calendar, you can subscribe to this calendar directly to have it displayed alongside your own calendar events. To do this, click the "+ Google Calendar" link in the bottom right corner of that site. Note that this will not add the events to your own calendar, meaning you may not receive notifications about meetings starting soon. For those not using Google Calendar, you can add the calendar to your own by downloading it as an ICS file and importing that into your calendar software.

The meetings and other announcements will be made every week at Autoware Discord. To join Autoware Discord server please use the link: <https://autoware.herokuapp.com/>