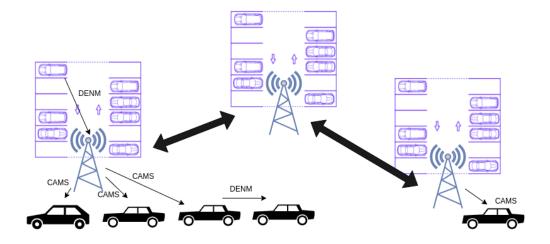
RSA - Project Proposal

Parking Lot Occupation
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TP1

Controlling parking lot occupation of an institution for example. Notification of vehicles about the occupation. Notification of vehicles about lines for parking lots in order to avoid road congestion.



- CAMS from RSUs to notify cars on the road about the state of the parking lot
- DENMS between vehicles to notify about events
 - Long lines to a certain parking lot
 - Notify about exiting a parking lot or intention to enter a park
- On a first stage implement only with one parking lot
 - Considere later on several parking lots with notification of occupation between themselves to notify cars of other free spaces in other parks
 - Ad Hoc network between the RSUs that control parks occupation
- RSUs that control parking occupation could be implemented as APUs
- Cars could also be implemented as APUs
- Maybe on a first phase emulate the parking lots and establish communication between an RSU and a single car
 - o Later on add more and more components
 - o After validation adapt to real scenarios

Final notes

Not having worked with any of the technologies proposed, our suggestion to use APUs is nothing more than a suggestion. If a better technology exists to implement this idea we would gladly use it.