## Project Scope

Our project scope is to increase the safety in sinking vehicles by focusing on sensing the vehicle sinking, delaying the rate of sinking, and creating a means for the passengers to escape within a budget of $1000.

**Project Description**: The product will increase safety in sinking vehicles

**Key Goals**: Increasing safety in sinking vehicles that focusing on key aspects:

1. Sensing the vehicle is sinking
2. Transmits lifesaving information to first responders
3. Delay vehicle sinking rate
4. Assist in egress of passengers from vehicle
5. Project budget: $1000

**Primary Markets**: Vehicle original equipment manufacturers

**Secondary Markets**: Insurance Companies

**Assumptions**: These assumptions are necessary to accurately model our project scenario.

* Vehicle: 4 Door Toyota Camry
* 3 Passengers: 1 Driver, 1 passenger in front seat, 1 passenger in back seat
* Passengers are not incapacitated during impact and sink
* First responders will arrive on scene in 15 minutes
* Car submerges in 1 minute 30 seconds with windows down
* Car submerges in 3 minutes with windows up

**Stake Holders:**These affiliates will have interest in our project

* Users: Vehicle operator, Vehicle OEM’s
* Beneficiaries: Vehicle operators, Insurance Companies, Department of Transportation, First Responders, Toyota