Requirements SW/HW:

SW:
- Python IDE
- Usual Libraries (Numpy, Pandas, etc.)
- OpenCV
- YoloV8
- SW to label image (semantic segmentation)
- Matlab
- ROS -> LiDAR data collection
- Git
- CUDA
- PyTorch

HW:
- Camera (PoE)
- LiDAR (Solid-State)
- Tripod
- PoE adapter
- NVIDIA GPU ->Training and execution of neuronal networks
- Ethernet cable
- Vehicle with steering scale