



Systèmes embarqués open source pour un kart électrique

Objectifs:

- Instrumenter: modules, capteurs, actionneurs...
- Programmer : Arduino / Raspberry / OS temps réel trampoline

Arduino







Raspberry Pi







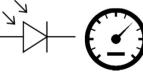


Kart électrique





















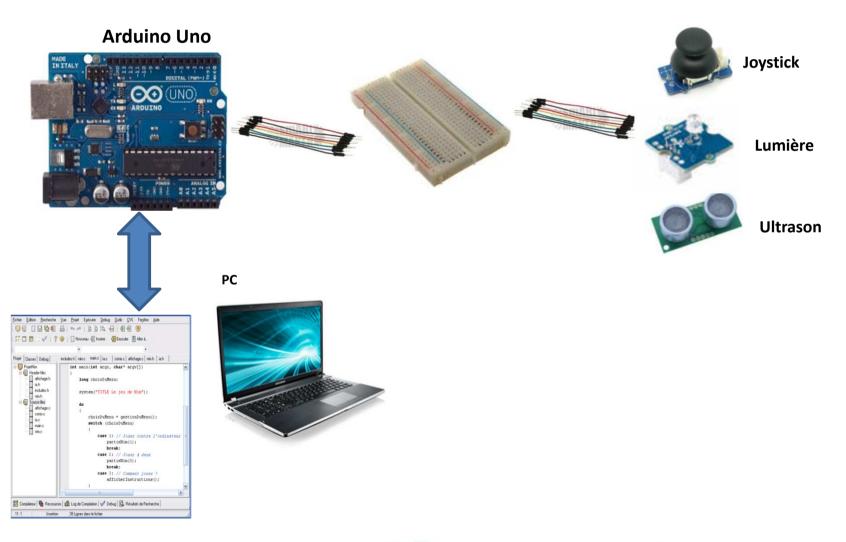








Arduino / L3PRO SETA















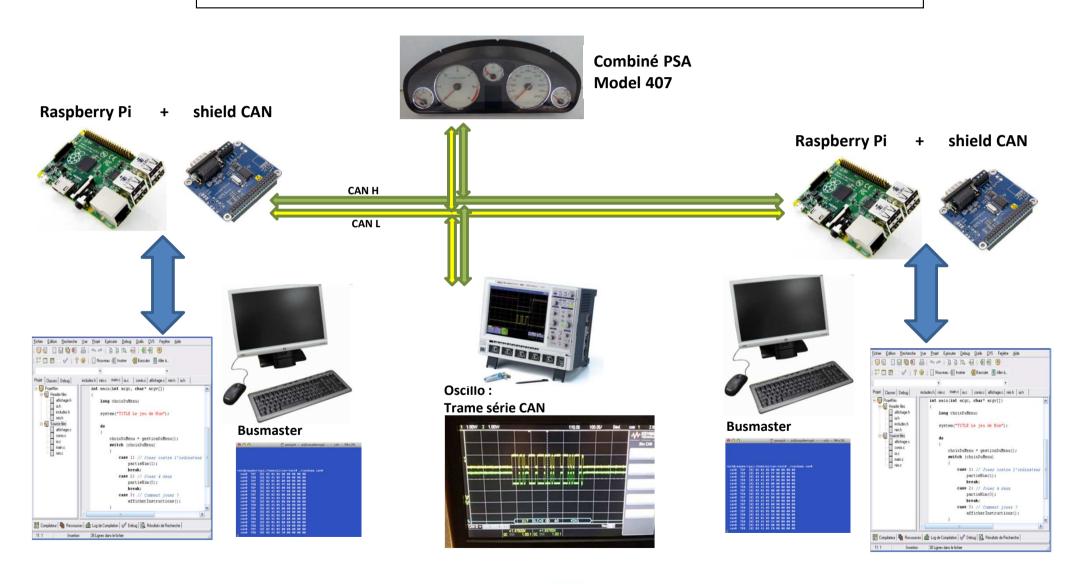








BUS CAN / Raspberry / L3PRO SETA













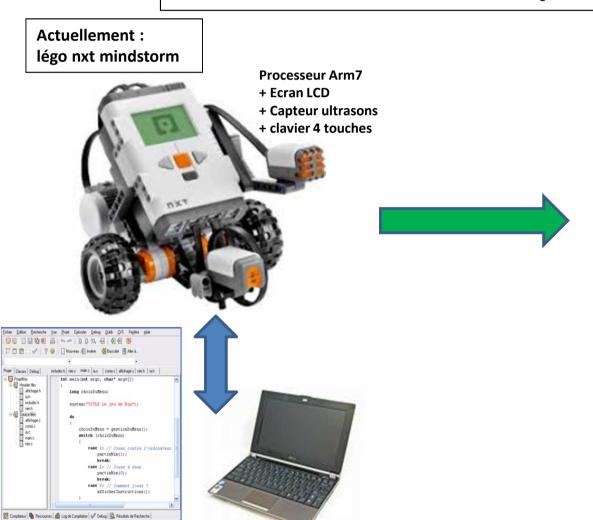








Temps réel / L3 PRO SETA **OS trampoline**



Prévision 2019: **Robot Open Source**











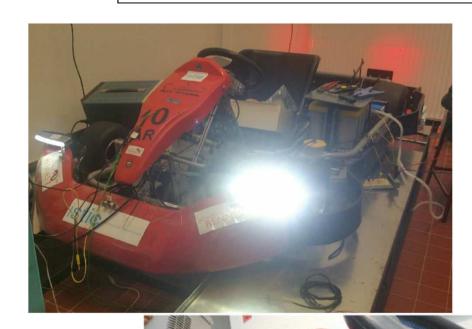


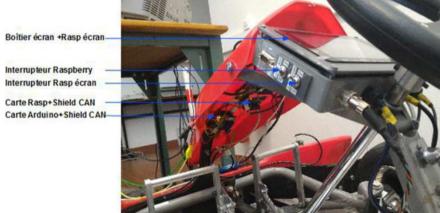


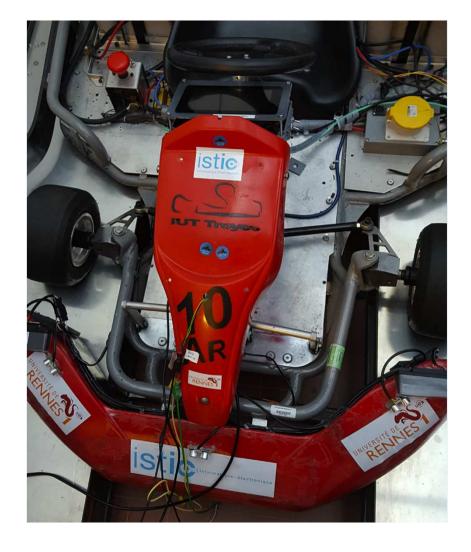




Instrumentation sur le Kart



















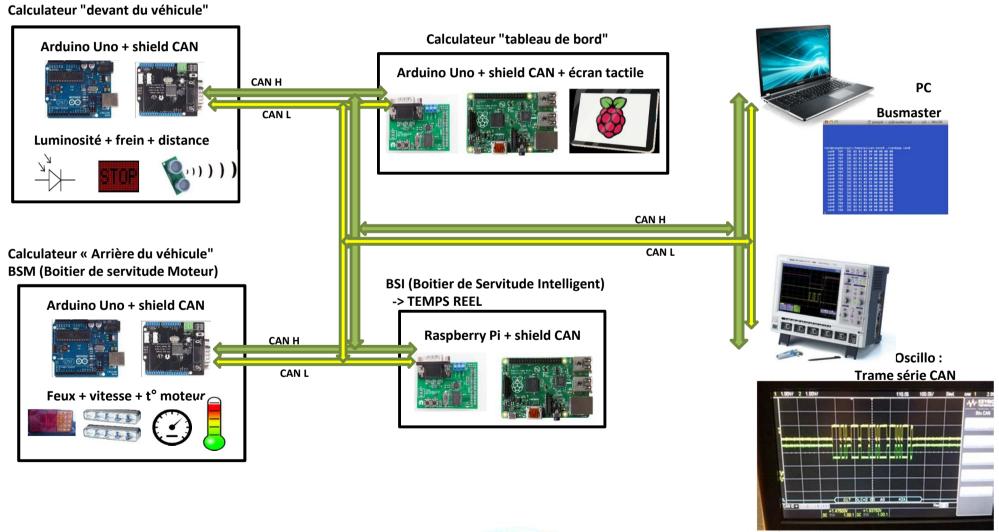








Systèmes embarqués / Architecture CAN 2017





















Projet L3 PRO SETA - 2018 Dialogue entre open source et propriétaire

Nouveaux éléments propriétaires :



Nouveaux éléments open source :



Module de diagnostique



OBD du kart











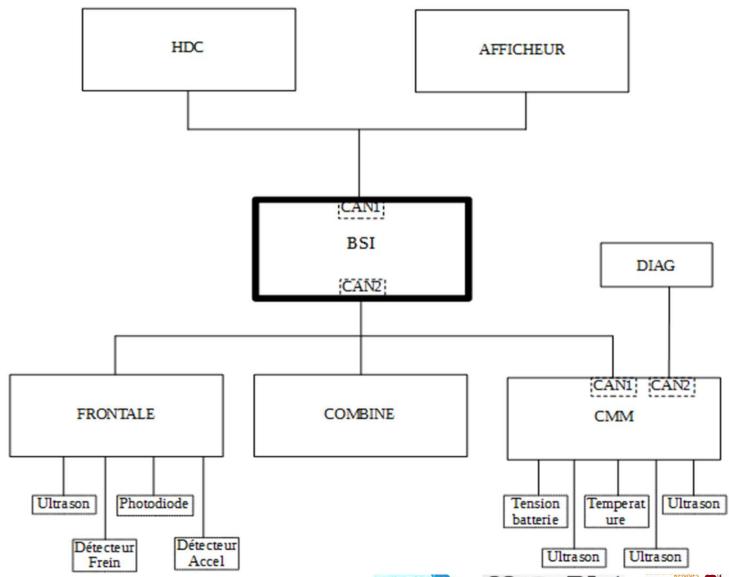








Architecture kart - 2018



















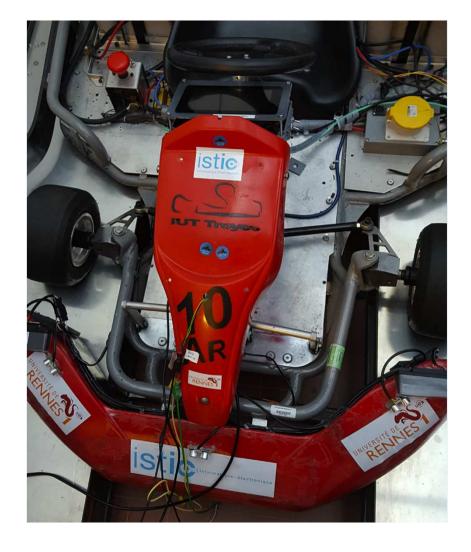


Projet L3 PRO SETA - 2017/2018





























ADAPTATION A L'OSV L3 PRO SETA 2018/2019

Difficulté : être facilement amovibles



Shield CAN





Raspberry Pi



PyCom



Tablette



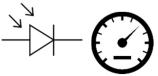
OSV





































ADAPTATION A L'OSV Architecture probable - 2018/2019

