

**Platforms of the research projects of aerial and terrestrial autonomous unmanned vehicles.**



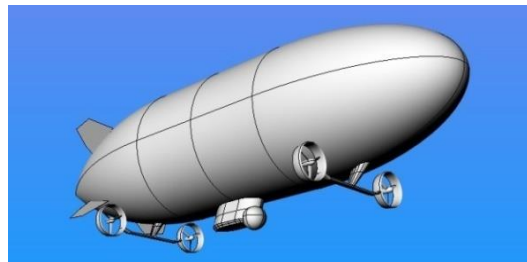
a) VERO Platform



b) AURORA Platform



c) VERDE Platform



d) DRONI Platform

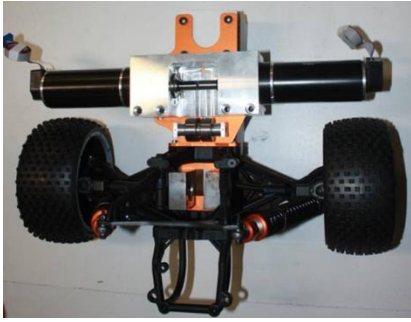
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**VERDE platform under construction, a mini-Baja vehicle powered by two independent rear motors, a scaled version of the vehicle of VERO Project (2014-2016).**

Research Team (2014-2016):

UNICAMP (FEM) --> Prof. Ely Paiva (coordinator), Prof. André Fioravanti,  
Rafael de Angelis (PhD student), Alexandre Monteiro (MsC student)  
CTI Renato Archer --> Mauro Koyama, Ailton Santa Bárbara, Samuel Bueno, Paulo Franchin  
ITA --> Prof. Luiz Mirisola

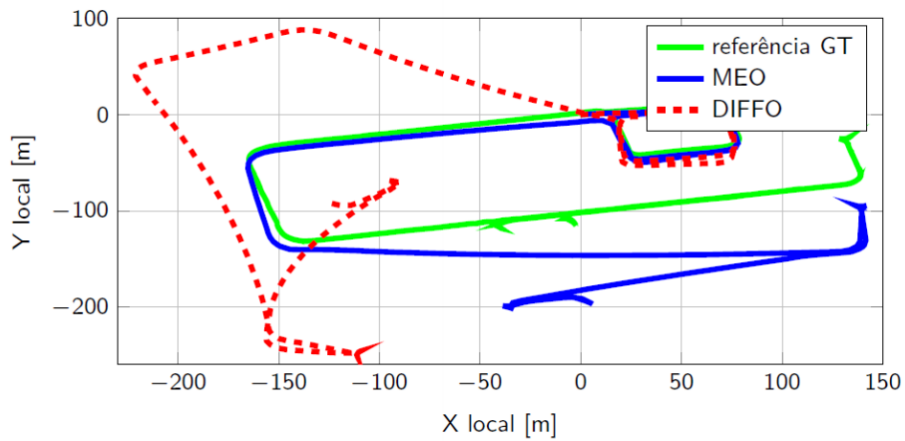




Video of the 1st experimental test (including odometry, INS/GPS and cameras)



**Results of NAGUIVA Project – Sensorial Fusion of 4-wheels odometry and Laser for an experimental test on VERO vehicle in the research center CTI-Campinas, in 2013.**



**Experimental tests for the validation of the dynamic model used in the VERO simulator, a result of the Master Thesis of Rafael Cordeiro, now in the PhD program under my advisory.**



**Results of the historical AURORA Flight (04, March, 2000), the first registered autonomous airship flight of the scientific literature (de Paiva et al., 2006).**

