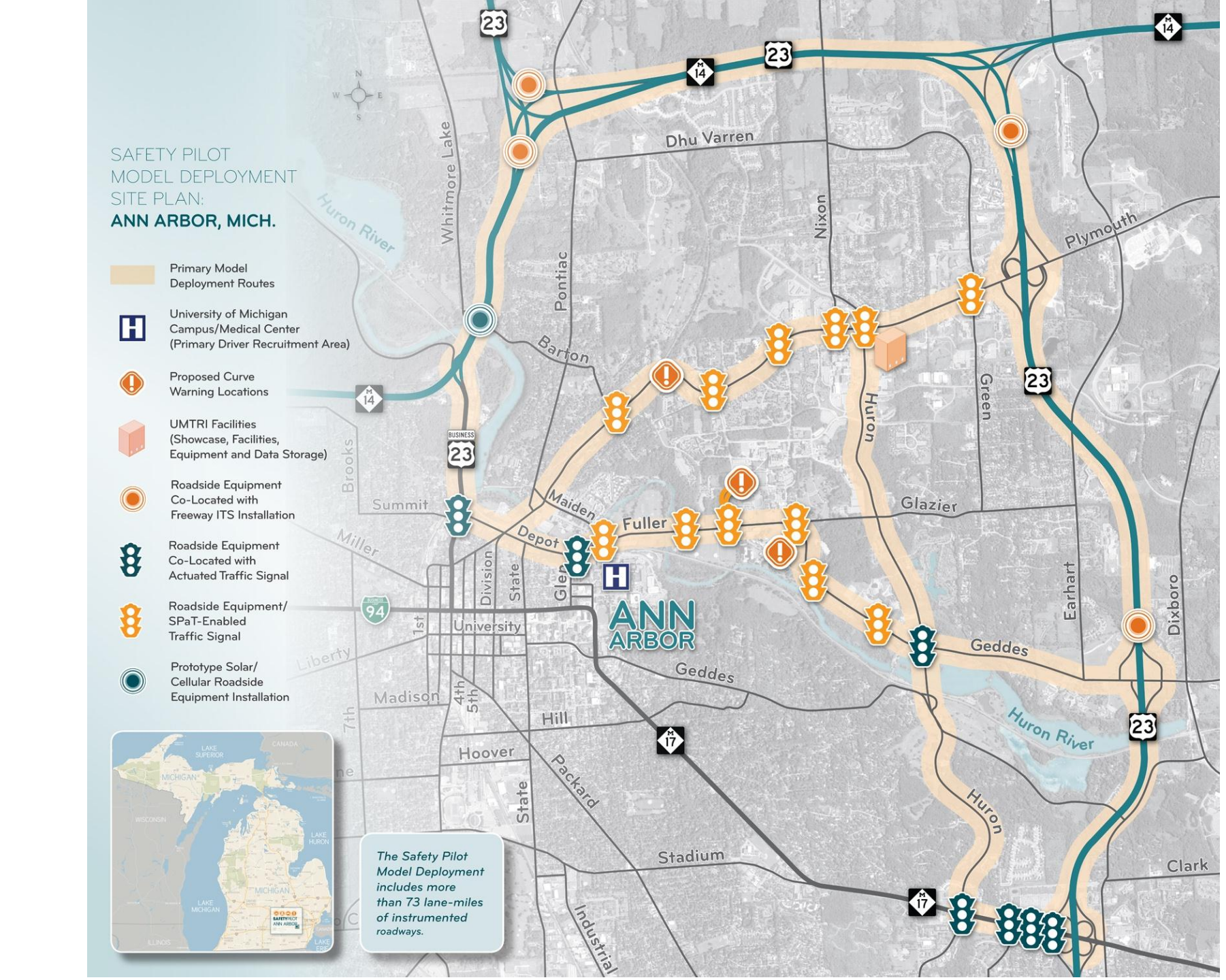
Symposium d'Ann Arbor (Michigan)

Le « Safety pilot »

Roger PAGNY
Mission Transports Intelligents
MEDDE/DGITM


SAFETY PILOT
MODEL DEPLOYMENT
SITE PLAN:
ANN ARBOR, MICH.
Primary Model Deployment Routes
University of Michigan Campus/Medical Center (Primary Driver Recruitment Area)
Proposed Curve Warning Locations
UMTRI Facilities (Showcase, Facilities, Equipment and Data Storage)
Roadside Equipment Co-Located with Freeway ITS Installation
Roadside Equipment Co-Located with Actuated Traffic Signal
Roadside Equipment/ SPaT-Enabled Traffic Signal
Prototype Solar/ Cellular Roadside Equipment Installation
The Safety Pilot Model Deployment includes more than 73 lane-miles of instrumented roadways.
ANN ARBOR
Huron River
Whitmore Lake
Dhu Varren
Nixon
Plymouth
Pontiac
Barton
Huron
Green
Earhart
Dixboro
Glazier
Maiden
Fuller
Depot
Summit
Miller
Brooks
Division
State
Glen
1st
University
Liberty
Madison
4th
5th
7th
Hill
Hoover
Packard
Geddes
Stadium
Industrial
Clark
BUSINESS
23
14
17
94

Chiffres clefs

- 3000 véhicules connectés
  - 2 800 Véhicules personnels
  - Dont 64 en première monte
  - 100 Véhicules professionnels
  - Motos et vélo
- 100 km de voirie urbaine primaire
- 25 équipements de bord de route

Vehicle (CCV) Safety Applications Development

U.S. Department of Transportation

Scope and Goals of the CCV Project

- Two year research project to develop and demonstrate vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) safety applications on commercial vehicles. These safety applications include:
  - Forward Collision Warning
  - Blind Spot Warning/Lane Change Warning
  - Intersection Movement Assist
  - Emergency Electronic Brake Light
  - Curve Speed Warning
- Development involves the integration of Dedicated Short Range Communications (DSRC) technology into selected commercial vehicles and the implementation of safety applications
- Once developed the CCV project vehicles will be used for:
  - Testing interoperability and performance by the USDOT
  - Conducting Driver Clinics to assess driver acceptance
  - Conducting Model Deployment of connected light and commercial vehicles

Team Members

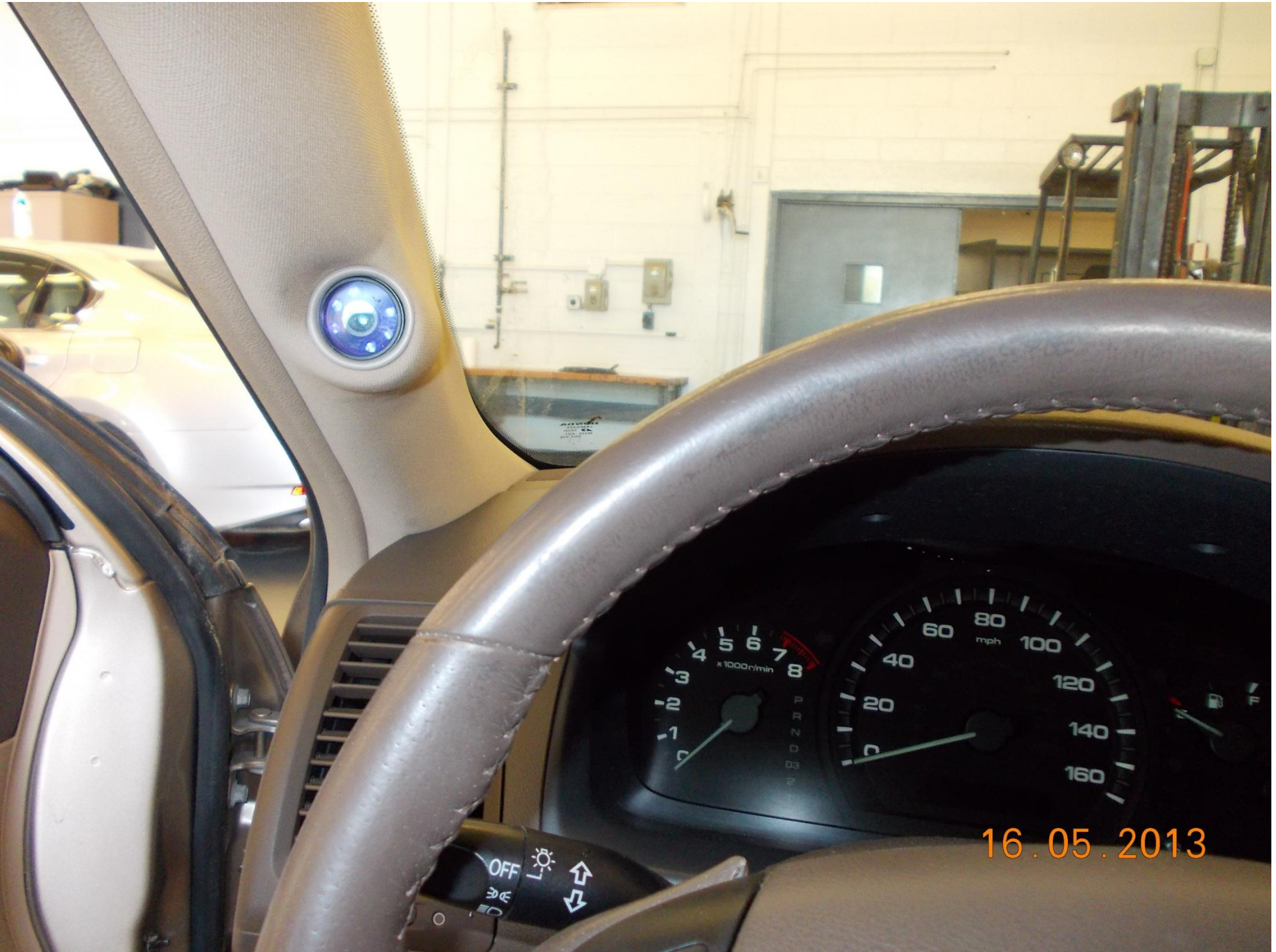
Battelle

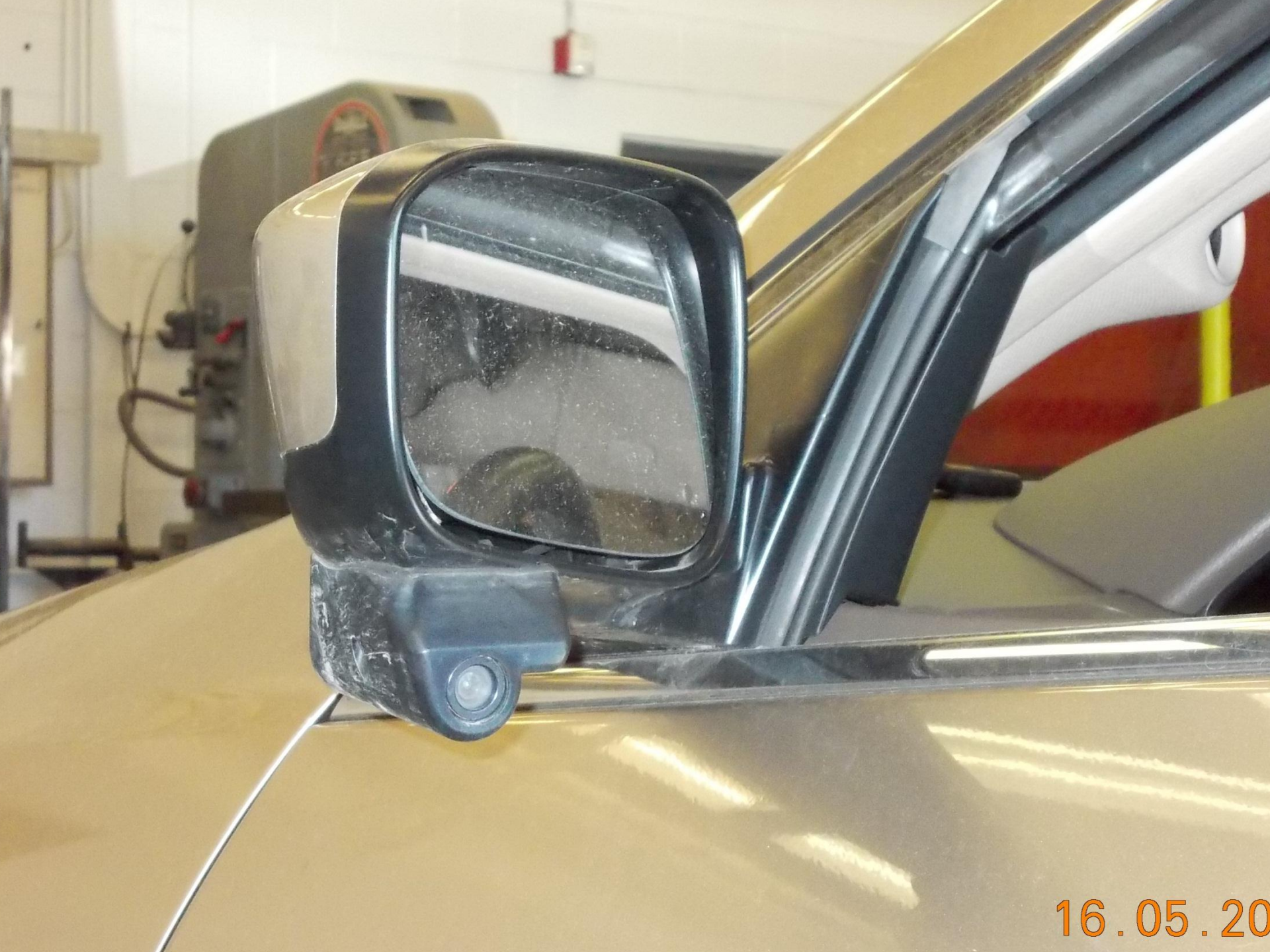
The Business of Innovation

Mercedes-Benz

Research & Development

UMTRI


x 1000 r/min
mph
OFF
16.05.2013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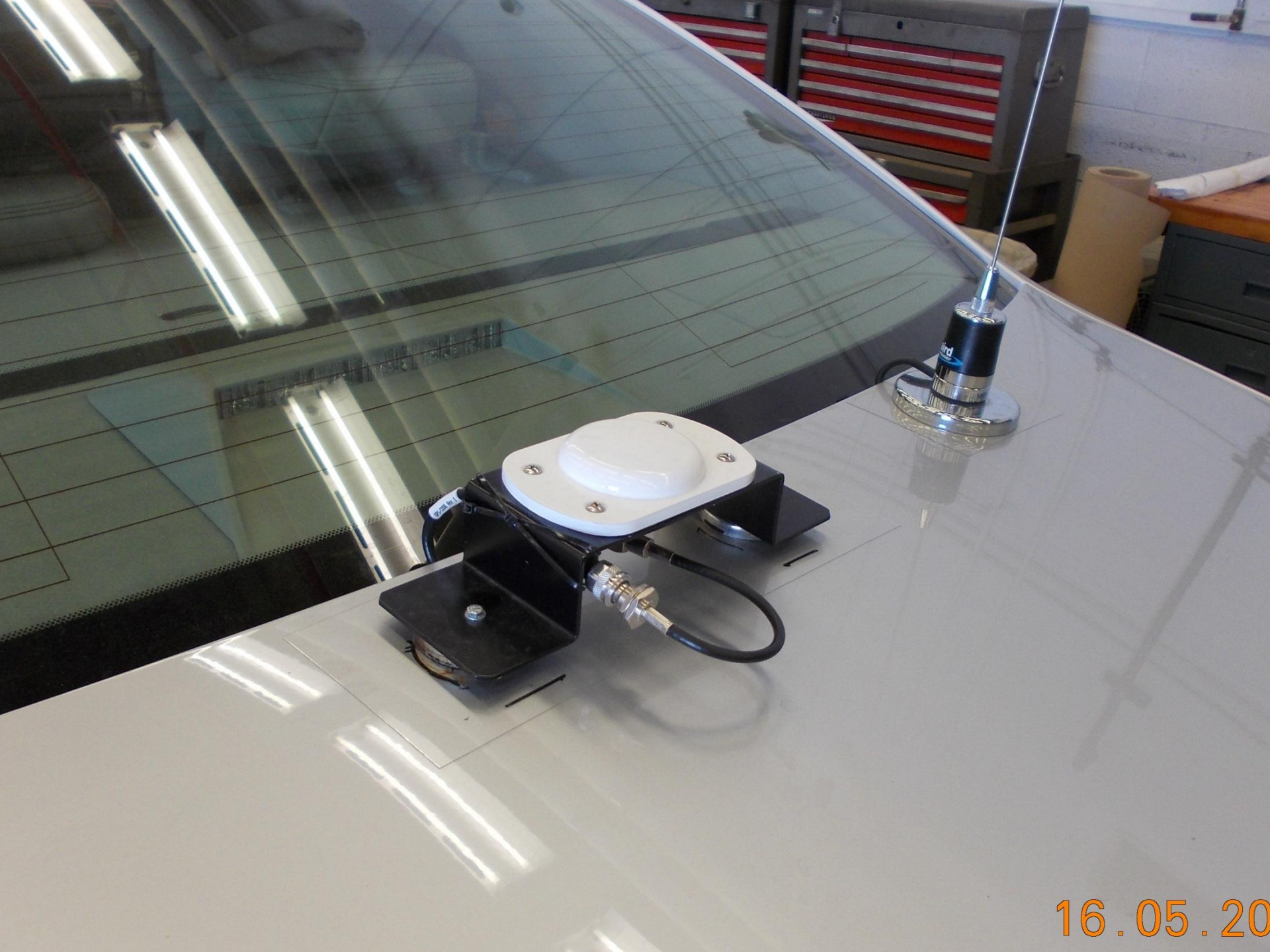
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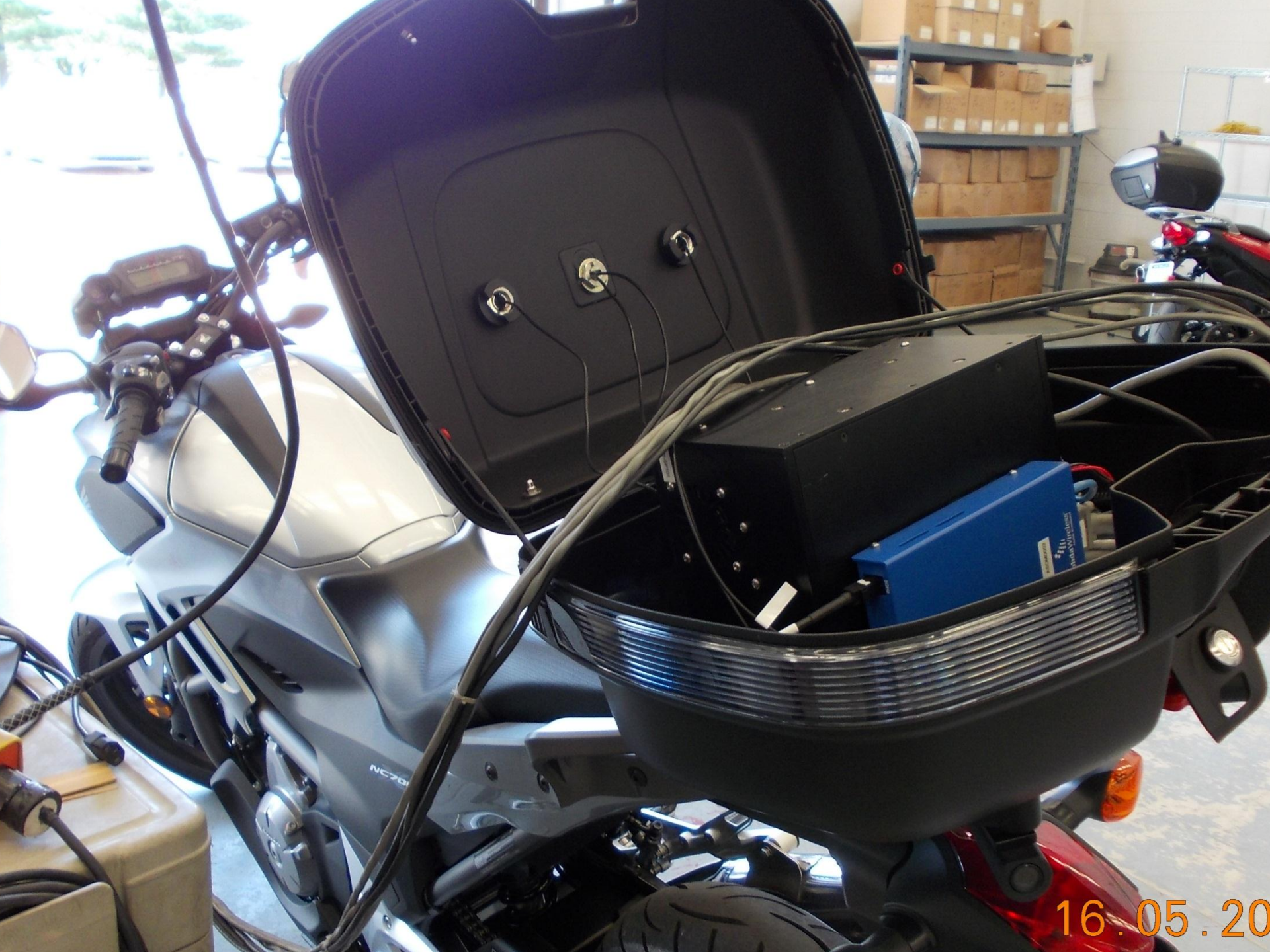
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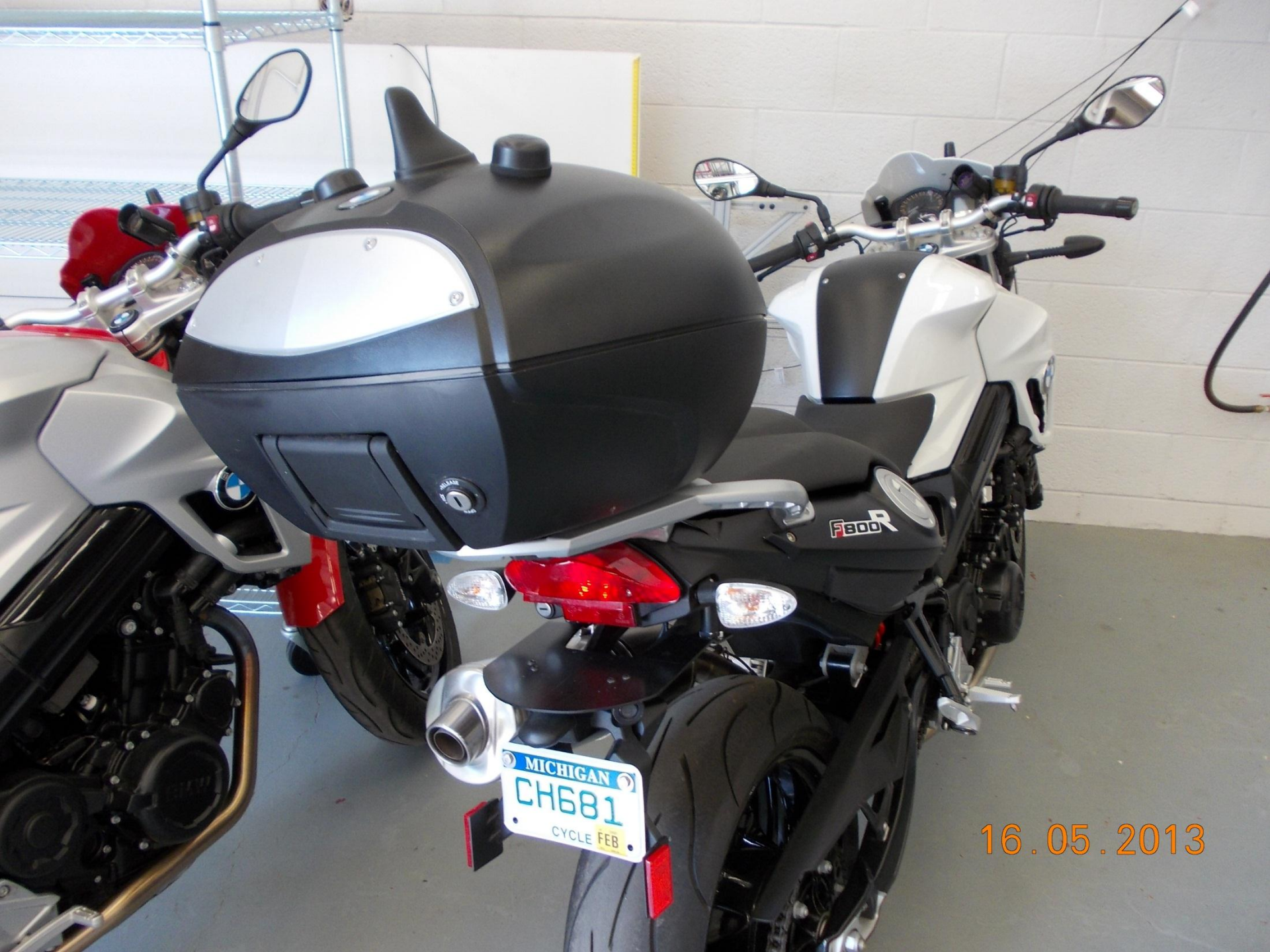
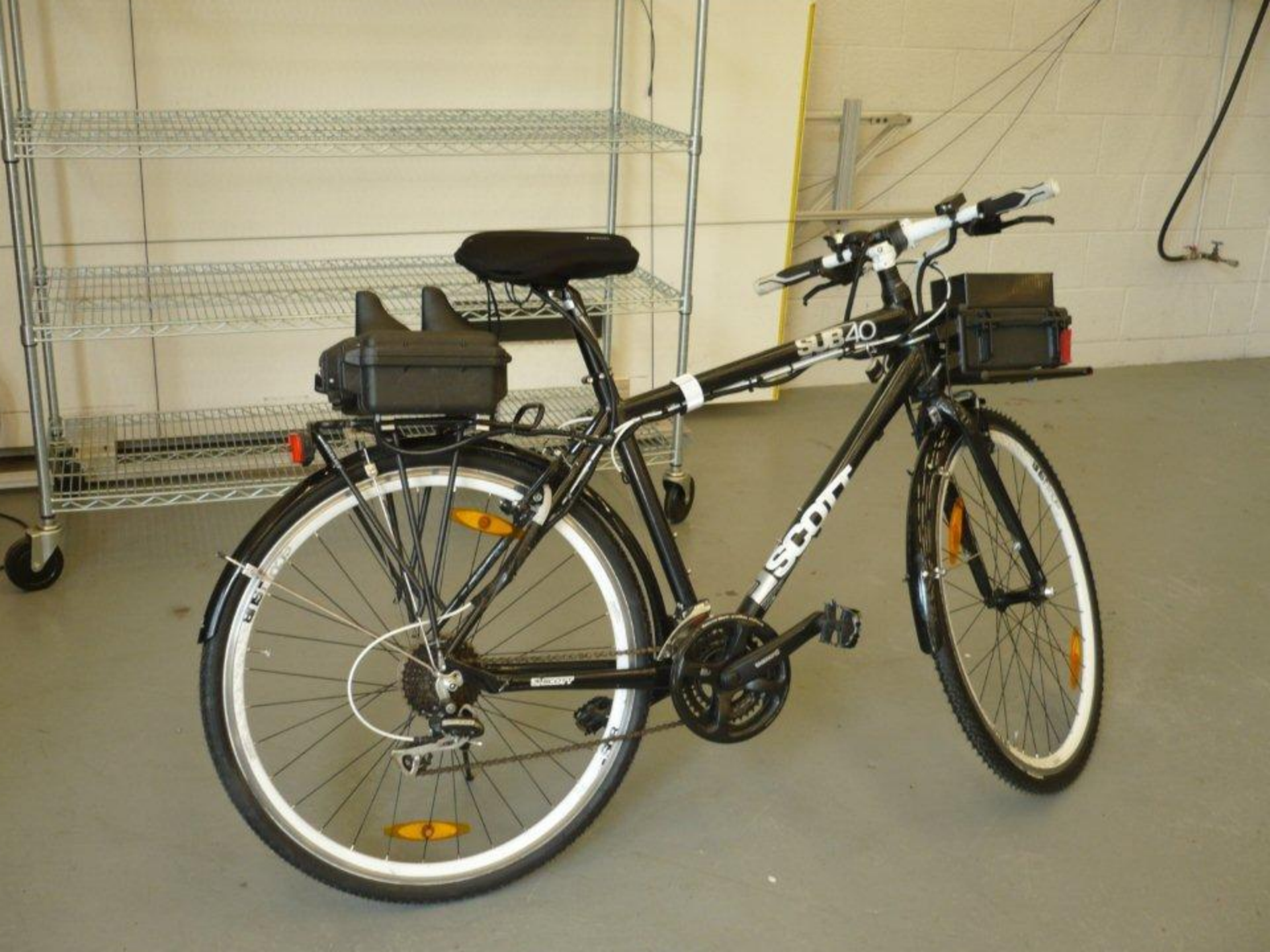
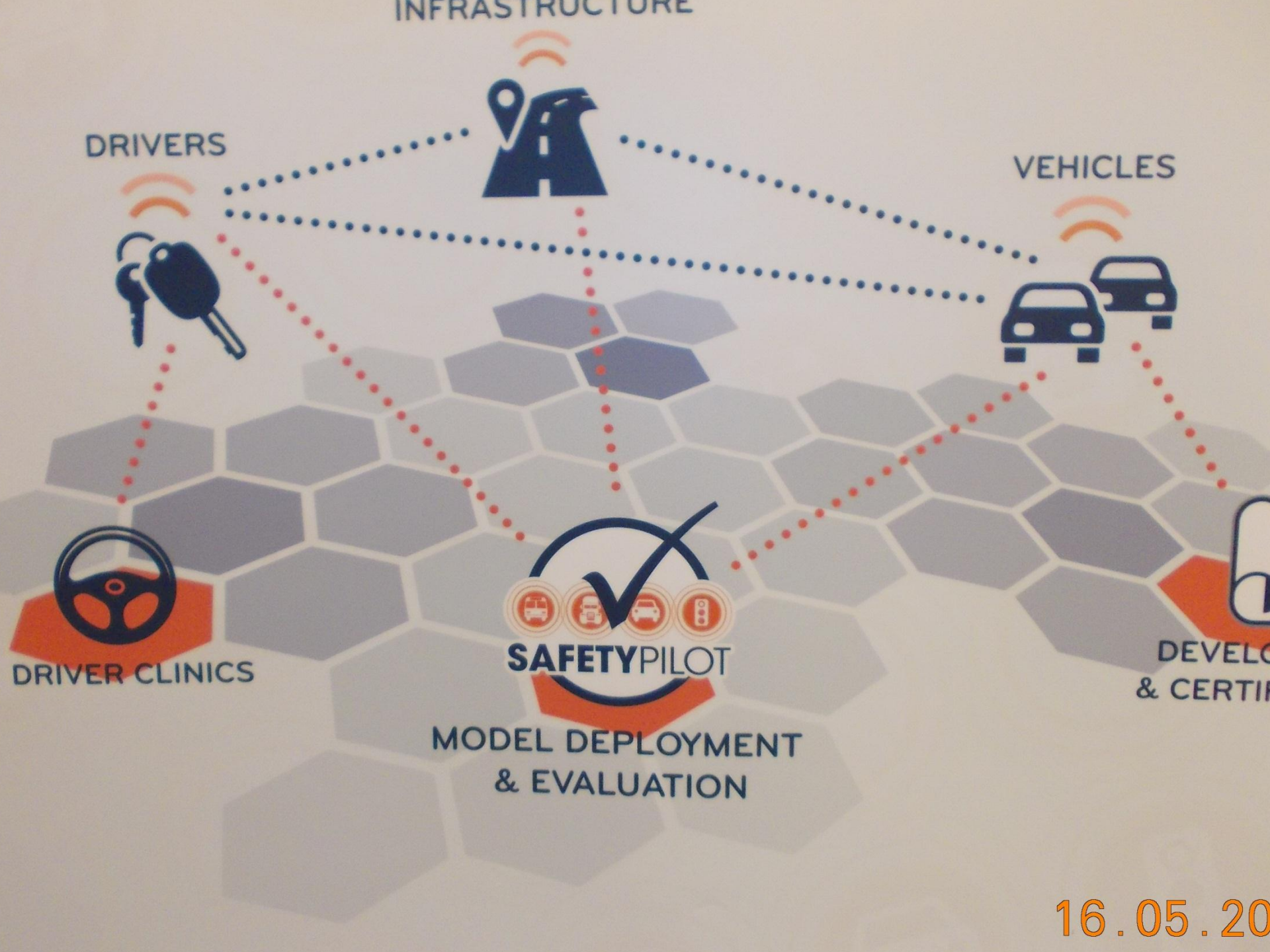

MICHIGAN
CH681
CYCLE FEB
F800R
16.05.2013


SUB40
SCOTT


INFRASTRUCTURE
DRIVERS
VEHICLES
DRIVER CLINICS
SAFETYPILOT
MODEL DEPLOYMENT
& EVALUATION
DEVELO
& CERTI
16.05.20

L'éco-système est convaincu et mobilisé : LET'S DO IT se dit on très sérieusement à Ann Arbor et Detroit.