

New Solution for Traffic Accident Reconstruction



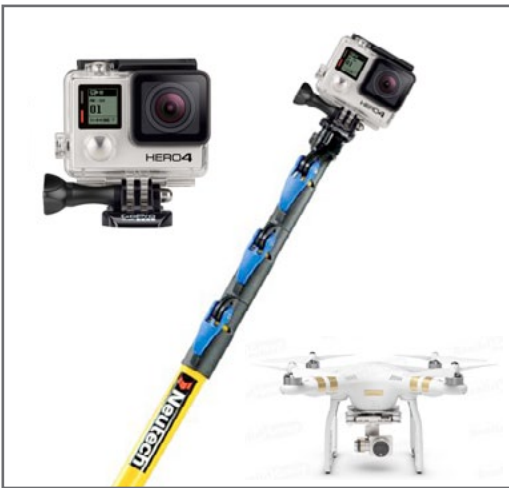
TECHNICAL Reconstruction PHOTOS /
Planimetric Maps of Traffic Accidents



#1 Take 3 points on the ground

Take the measurement of at least 3 points on the ground at the accident site. Our solution includes a distance laser meter **Leica DISTO S910 Pack** with which you can take measurements very quickly and obtain the 3D and DXF models of the measurements you have taken.

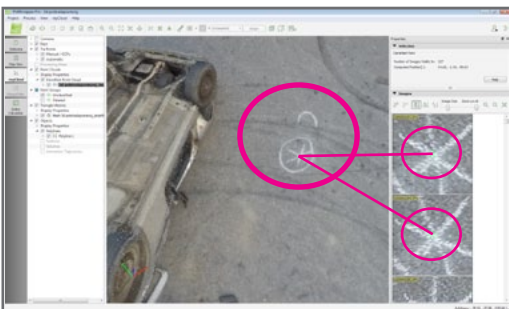
Mark the points to be identified with chalk or other markers: you will need the three points to scale and georeference the resulting 3D model.



#2 Take a series of photographs

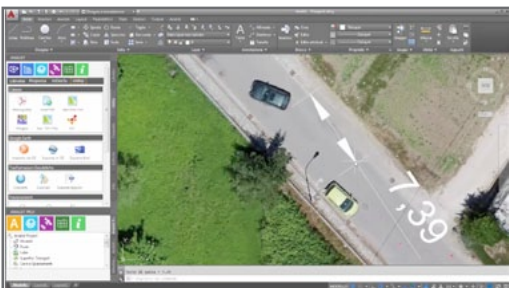
Mount the **GoPro HERO 4** to the **telescopic pole** (included in our solution) and take a series of photographs to detect the area of the accident. 1-2 minutes and you're done!

NB: you can also use a DRONE (included in our solution).



#3 Generate the 3D model from the photos

Generate the three-dimensional, scaled and georeferenced model with the orthophotos automatically from photos taken with the **Pix4Dmapper** Software. Simple and automatic: all you have to do is feed the software with the pictures and the coordinates of the surveyed points on the ground you have previously taken.



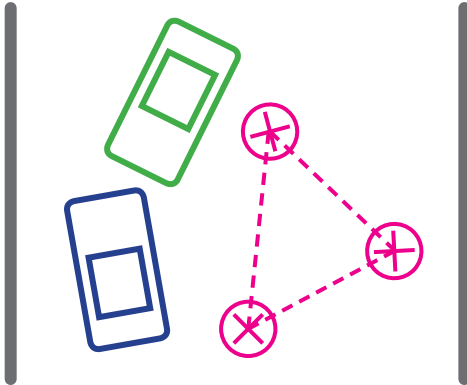
#4 Get all the measures you want

Import 3D models and orthophotos into the **Analist CLOUD 2016** Software and perform all measurements you wish. Limitless, with absolute precision.



How to take the Pictures

Basic Techniques



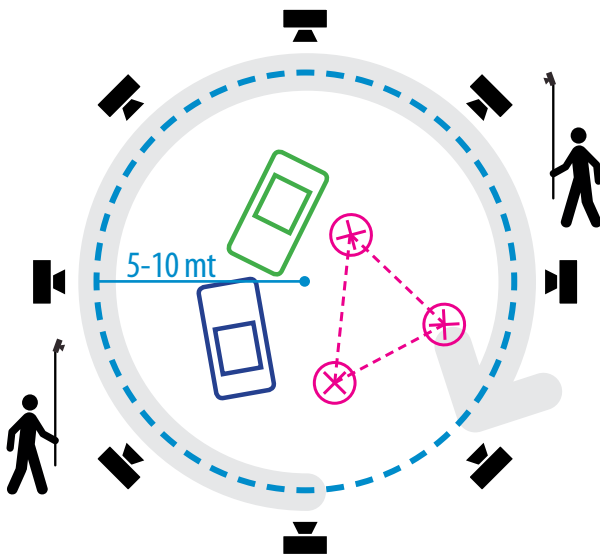
#1 Take the measurement of at least 3 points on the ground



#2 Take a series of photographs



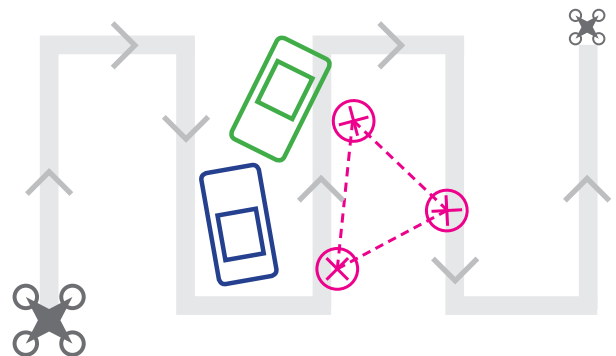
#A: Telescopic Pole with GoPro



- Distance from the objects to be detected: **between 5 and 10 meters**
- Camera tilt: **about 25° downwards** ↙
- Camera (on pole) distance from the ground: **about 4 meters**
- Programmed photo shooting frequency with GoPro: **2 fps**
- Operator speed: **slow walk**



#B: DRONE



- Flight altitude: **from 30 to 50 mt**
- Camera tilt: **NADIR 90° - perpendicular to the ground**
- Flight technique: **NADIR (serpentine)** □□□
- Programmed photo shooting frequency with the DRONE: **1 fps**
- Drone flight speed: **SLOW**

