

ACCIDENT RECONSTRUCTION TECHNOLOGY

Forcon International constantly strives to utilize the highest level of technology in their crash analysis efforts for our clients.

Below is a list of some of the technology we can bring to bear on YOUR case and a brief description of how we can use it for the best determination of what actually took place in any crash.

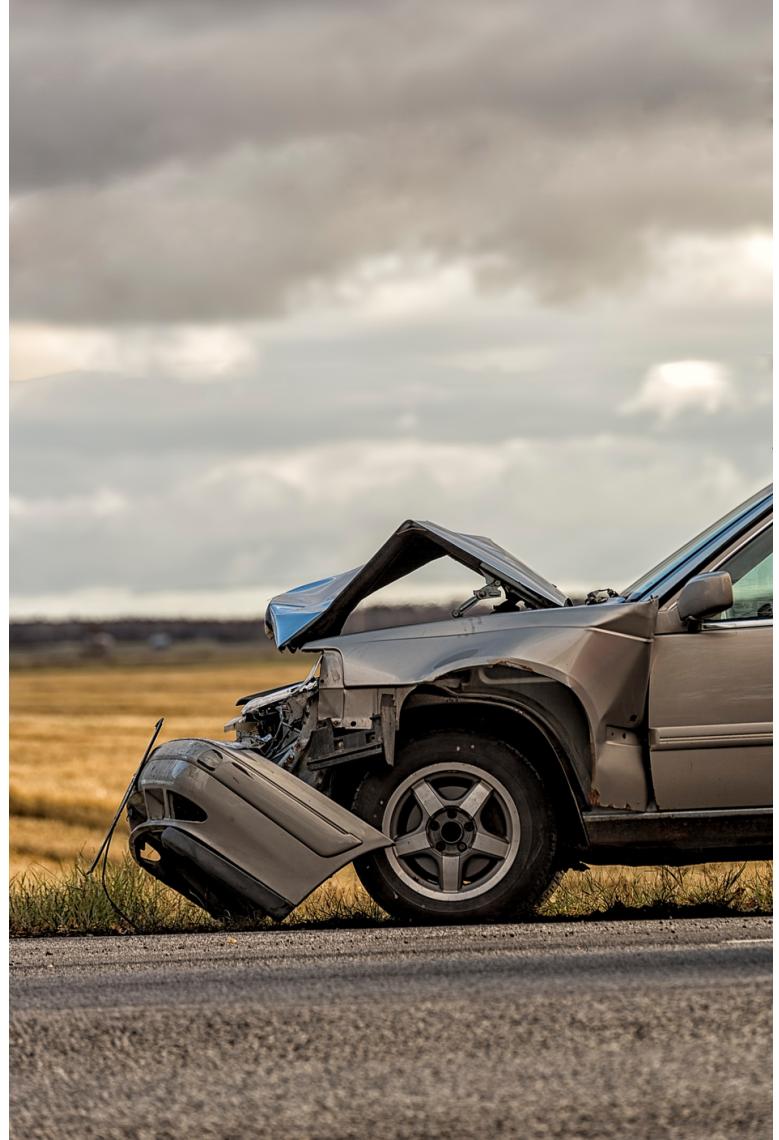
Trimble SX-10 field survey and scanner combination that allows not only the forensic mapping of a crash scene but a built-in 3D scan image that can be employed at the same time and merged into the final work product for excellent document details that can be used in our analysis.





Faro 3D scanners to capture accurate images of vehicles, crash scenes, other objects such as vehicle interiors that can then be utilized and placed onto an analysis map with precision.

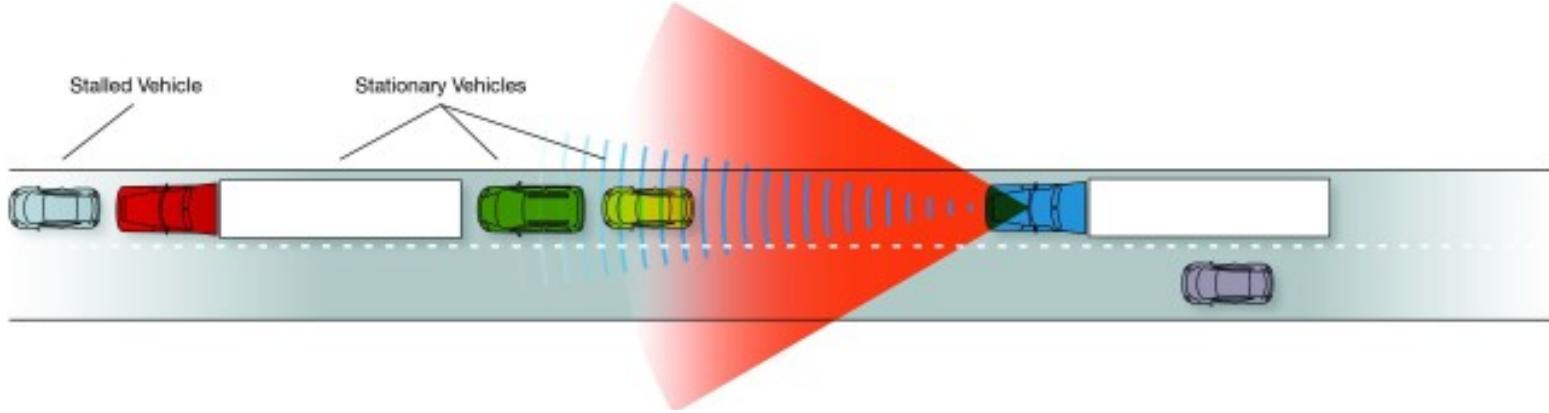
Complete crash data capture software and hardware that will provide crash data imaging from cars, light trucks, and Electronic Control Modules (ECM) of many Commercial Motor Vehicles that support such an effort. In the case of Commercial Motor Vehicles, the data may include engine use for 30 days to match driver logs and historical data.



Toyota Techstream capability in certain late model Toyota vehicles, data in the form of still front camera images, speed, throttle, braking, and steering can be recovered. There are several damage-based restrictions to this approach that need to be addressed on a case basis.



Extensive pre-crash video may be available from certain late-model Tesla vehicles that can be recovered and combined in our analysis with field data to enhance the overall product.



Manufacturer-installed Commercial Vehicle Systems such as Bendix Wingman Collision Avoidance Systems and Anti-Lock Brake Modules can be queried for valuable crash data not captured by an Electronic Control Module.



User-installed data and video recording capabilities on fleet vehicles such as Geotab, and other electronic systems that provide dynamics data on an ongoing basis that can be “frozen” to capture pre-crash and crash events.

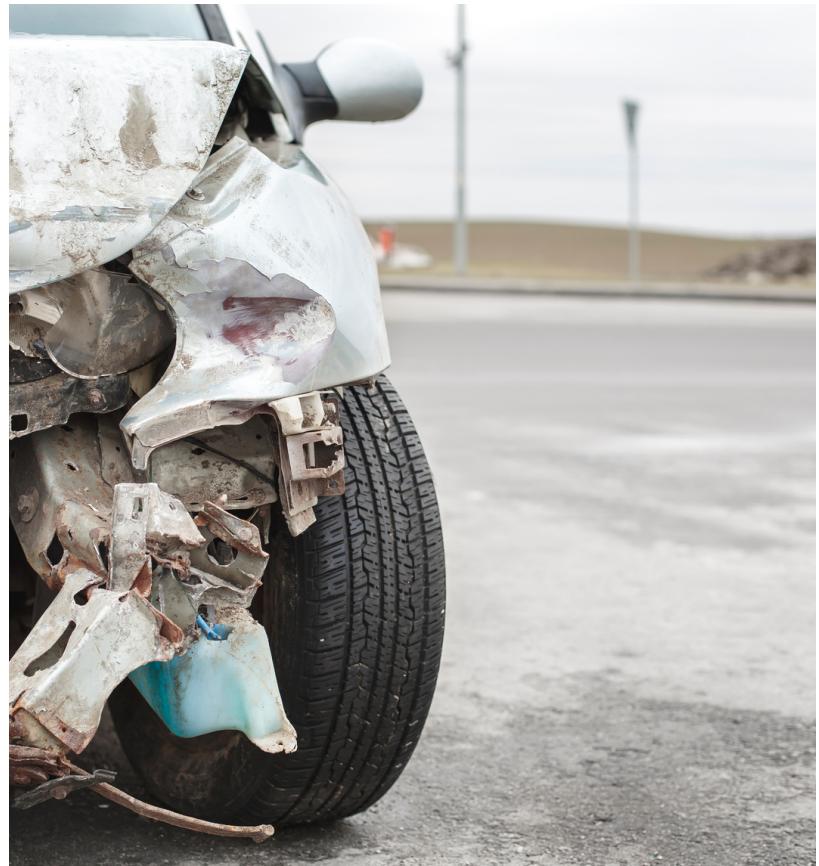
BERLA technology allows imaging of the infotainment systems of many cars and light trucks during which details about trip routes, speed, positioning, and driver activities such as phone use and texting can be determined and woven into the crash analysis.



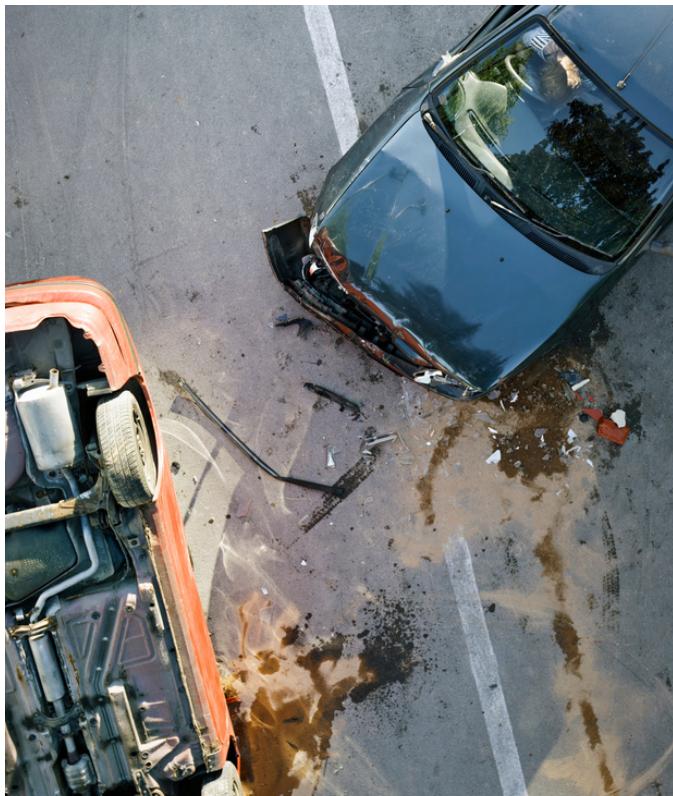


INPUT-ACE video analysis software that allows us to conduct forensic analysis of video evidence from many sources that become available during a crash investigation including dash cameras, surveillance camera systems, cell phone video, and more. Speeds, times, and distances can be ascertained to a great degree of accuracy in a full frame-by-frame analysis.

Chip level forensics allows the extraction of information from certain data recorders that may have been too severely damaged in a crash or fire to image in the standard format. Techniques may or may not require the removal of specific chips from their original board and installation onto an identical board for reading.



Drone technology allows aerial mapping of a crash site or vehicle that is then processed with our PIX 4D software suite to create highly accurate 3D scale images for use in analysis and display.



Virtual Crash Software that will allow the combination of data collected from all our resources to be brought in and displayed on a virtual crash format scene so that simulations for analysis or animations for presentations can be prepared.

**For more information on Forcon International's
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