



camia™

Collision Alert Monitoring and Impact Analysis



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camia™, Collision Alert Monitoring and Impact Analysis, is an impact detection and measurement system for Marine Bridges and structures. It uses advanced technology to document a collision and capture evidence to pursue a claim for damages.

- Determines the degree of impact (accelerometer)
- Measures the strength (G-force) of the collision
- Captures video images of the colliding vessel
- Self-activated system sends remote collision alarms

camia™ provides real-time reporting for fast response to an incident:

1. A secure zone is set up to monitor the approach to the bridge, incorporating high-resolution cameras, infrared illuminators, speed sensors, and video analytics software.
2. When a vessel enters the zone, the **camia™** system begins recording the scene.
3. If the vessel strikes the bridge structure, the **camia™** system vibration sensors detect the impact and activate additional cameras that capture images of the collision vessel (including its identifying numbers).
4. **camia™** sends a collision alert* to the bridge owner/operator. Cameras document any damage sustained by the bridge for remote evaluation of its structural condition.
5. **camia™** combines and saves its video and sensor information in a time-stamped forensic record that enables the bridge owner/operator to recover collision damages, ensure structural integrity, and maintain normal bridge operations.

Application:

Railroad, Maritime Security, Transportation.

**Requires internet or cell circuit connection*

With **centraco™** Command and Control

Like all of Duos' intelligent solutions, **camia™** is command and control ready. Duos' state-of-the-art intelligent command and control platform, **centraco™** provides a scalable information delivery and response solution that is designed to address operational and management challenges. Designed with years of "real life" situational input, the **centraco™** platform is designed to perform in the most challenging and dynamic environments.

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