

ANOTHER TOOL IN AMUSEMENT RIDE INCIDENT INVESTIGATION

(Richmond, Virginia) Ken Martin of KRM Consulting Group, who focuses on amusement ride safety, is pleased to announce a new service in his continuing quest for safer amusement rides and educating the public as to their role in amusement ride safety.

In addition to KRM's Forensic Incident Investigation and Accident Reconstruction Services, they also offer forensic examination of control systems of amusement rides. Those services would include:

Uploading the Programmable Logic Controller (PLC) control logic to a portable PC that enables us to see the control logic including safety interlocks and programmer's notes

Simulating interlock sequences in our own PLC and building courtroom demonstrations of the operation

Reviewing and explaining the control scheme for older systems that use electromechanical relays via interpretation of the electrical schematics

Testifying as to the condition of the control equipment in the field including control box integrity, signal wiring and human-machine-interfaces as to whether they were contributing factors in an incident

Comparing and contrasting the written system operating instructions to the actual functioning of the control system

KRM will also offer trouble-shooting for most PLC's, including those manufactured by Allen Bradley, Siemens, Scheider Electric (Quantum and Modicon) and General Electric. This service will be beneficial to those amusement ride owners whose equipment is no longer under warranty. Forensic examination will not be limited to amusement rides and attractions.