



Charles A Darnell, PE, CFEI

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Mr. Darnell is a registered professional electrical engineer and is certified by the National Association of Fire Investigators as a fire and explosion investigator. His international engineering, design and construction experience includes utility, petrochemical, oil & gas, marine and industrial projects. His fire and explosion investigation experience includes electrical incident investigation, equipment failure analysis and fire investigation.

Mr. Darnell is a member of the ANSI US National Committee of the IEC, Senior Member of IEEE, Chair of the IAS Baton Rouge, LA Chapter and holds memberships in the IEEE Industry Applications Society, the IEEE Power and Energy Society, the IEEE PES Insulated Conductors Committee and sits on the Executive Subcommittee for the IEEE IAS Petroleum and Chemical Industry Committee. He actively participates in the following standards groups:

- IEC 61914 – Cable cleats for electrical installations
- API RP14F and RP14FZ – Design and installation of electrical systems for offshore production platforms
- IEEE RP45.8 – Shipboard electrical cable installation
- IEEE 1185 – Cable installation in generating and industrial facilities
- IEEE 2412 – Circuit integrity of fire resistive cables in tunnels and transit applications
- IEEE 2740 – Cable installation in hazardous locations on oil and gas land drilling rigs

Mr. Darnell has authored several technical papers on cable restraint and is the recipient of US and international patents. Among them is a cable restraint device incorporating a high-strength interlocking frame to simultaneously enclose cables and a support rung. Mr. Darnell founded Talon Products, a US cable restraint manufacturer.

Mr. Darnell and his wife Johanna reside in the rural community of Ponchatoula, Louisiana. They support charitable organizations such as Options, which provides services for individuals with developmental disabilities. In his spare time, Mr. Darnell enjoys scuba diving, wine collecting and cooking.