

FORCON INTERNATIONAL

DANIEL W. SHIELDS, P.E.

SUMMARY

Expert consultant in automotive, heavy truck and construction equipment areas, including accident investigation and automotive product defect cases.

EDUCATION

University of South Florida, Bachelor of Science in Engineering (emphasis in Mechanical)

Extensive management and technical training courses

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer:

- Florida # 35629

Certified Master Automobile Technician, National Institute for Automotive Service Excellence Certified Master Medium & Heavy Truck Technician, National Institute for Automotive Service Excellence
Class A Commercial Driver License (CDL) holder

MEMBERSHIPS/ASSOCIATIONS

Society of Automotive Engineers, North Florida Section, past chairman (four terms)
Florida Utility Fleet Managers Association, past chairman

MECHANICAL SPECIALTY TRAINING

Mr. Shields has completed the following course and certifications:

- Altec Professional Operator Safety Training
- International Next Generation Diesel Training
- FMI Ford Fleet Truck
- Calavar Condor 150 Service School
- Telelect Hydraulics Seminar
- Asplundh Hydraulics School
- Hi-Ranger Service Training
- Grove Crane Factory Service School

CAREER HISTORY

FORCON International – Independent Mechanical Engineer Consultant

Assignments include post-accident inspections of a broad range of vehicles and equipment, including trucks, agricultural equipment, construction equipment and industrial machinery, in each case identifying any equipment failures or malfunctions, and determining the cause of the accident and resulting damage/injuries.

Previously employed by an investor-owned electric utility for more than 30 years, the last 27 in Fleet Services, advancing through the engineering progression to Senior Consulting Engineer. Responsible for specifications and acquisitions for fleet equipment including automobiles, trucks, trailers, aerial devices, digger derricks, construction equipment, forklifts and cranes. Responsible for specifications of fleet products including tires, fuels and lubricants. Served as consultant for garage mechanics and supervisors. Responsible for fleet safety & regulatory issues including the CDL Third Party Examiner program and OSHA and ANSI compliance. Investigated employee injury cases involving motor vehicles or mechanized equipment and implemented changes as necessary to improve employee safety. Customer liaison with manufacturers of truck chassis, aerial devices, digger derricks and cranes.

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Responsible for National Energy Policy Act (EPACT) compliance, and Alternative Fuel Vehicle (AFV) initiatives including LPG, Biodiesel, E85, Hybrid and Electric vehicles.

Specific expertise has been developed in many areas including: Fleet Management; Gross Vehicle Weight (GVW) ratings and loading issues; truck body specifications and installation; final stage FMVSS certification; vehicle maintenance and repair; OSHA regulations and ANSI standards related to mobile equipment; hazardous materials management; aerial device and crane maintenance; non-destructive testing; wheels and tires; project management.

OTHER AUTOMOTIVE EXPERIENCE

- Porsche Club of America (PCA) Nationally Certified Driving Instructor.
- Bob Bondurant Grand Prix Specialty Driving School graduate.
- Technical and non-technical articles published in automotive magazines including Sports Car, Grassroots Motorsports Magazine, Classic Motorsports, Porsche Panorama, and Mustang Driver.
- Five- time Sports Car Club of America national champion autocross driver/owner.
- Four -time SCCA Pro Solo champion driver/owner.