

CURRICULUM VITAE

G. Fred Liebkemann IV, PE
Date of Birth March 30th, 1963

102 Legendre Drive
Slidell, LA
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Education

University of Miami, Coral Gables, FL
Bachelor of Science Degree, Mechanical Engineering, 1986

Louisiana State University
Completed 1.5 years post graduate study in Mechanical Engineering

Licenses

Registered Professional Mechanical Engineer by the State Board of
Registration of Louisiana, No. 25480

Occupational History

April 2000 - present: Professional Engineer in private practice
January 1999 - April 2000: Senior Design Engineer, SEAREX Inc.
March 1996 - January 1999: President, Liebkemann & Montestruc
Engineering Company
May 1994 - March 1996: Vice President, ELM Engineering Company
January 1989 - May 1994: Senior Engineer, M. E. Software Associates
Inc.

Design Experience The following are examples of the types of
equipment designed.

Materials & Heavy Handling Equipment Designed

Offshore pedestal cranes	Aframe cranes
Traveling boat lifts	Manned submersible retrieval systems
Stiffleg cranes	Drill pipe & riser handling systems
Pipe laying equipment	Leapfrog crane systems
Heavy lift cranes	BOP cranes
Overhead traveling cranes	Winches
Spreader bars	Slings

Blocks
Ship launching systems

Davits
Jacks

Oilfield Equipment & Structures Designed

Drill floors
Drilling derrick conversions
V-door ramps
Mud processing equipment

Quarters buildings
Pipe racks
Mooring equipment
Helidecks

Vessels and Marine Equipment Designed

Jackup vessels and legs
Offshore research vessels
Jacking systems
Piping systems
Pumping systems

Drilling barges
Main propulsion systems
Steering systems
Paddlewheels

Personnel Access Equipment Designed

Scaffolds
Stairs
Railings & toeboards
Safety nets
Ramps

Gangways
Portable & fixed ladders
Fixed personnel platforms
Personnel hoists
Motorized manlifts

Pressure Vessels Designed

Liquid storage tanks
Hydraulic cylinders

High pressure piping

Failure Analysis Experience

Determination of the location and mode of failure of products and structures through examination, materials testing and computation. Examples of failure analyses conducted include:

Oil pipeline rupture
Marine propulsion failure
Jackup vessel leg failure
Shackle failure

Crane collapse
Gearing system failure
Wire rope failure

Safety Engineering Experience

Design of safety devices including machinery guards, protective interlocks, capture devices, ventilation systems, fire protection and fire fighting systems, lifesaving equipment and alarms.

Incorporation of the provisions of local, state, and national safety standards into the design of equipment and structures and into the procedures for use of equipment and structures.

Inspection and testing of existing industrial facilities, equipment, and vessels for compliance with applicable safety standards and regulations.

Determination of conditions and circumstances responsible for equipment failures, damage, and industrial accidents, and corrective measures needed to prevent failure or accident reoccurrence.

Clients being served currently include firms in the following fields.

The oil & gas drilling and production industries

The oilfield service & supply industries

The shipbuilding industry

The construction industry

The marine salvage industry

The insurance industry

The legal profession

Manufacturers of heavy handling equipment

G. Fred Liebkemann IV, PE
Engineering Consultant
102 Legendre Drive
Slidell, LA
Phone (985) 781-2571 Fax (985) 781-5276

RATE SCHEDULE

Consultant fee (document review, report preparation & time spent in conference)	\$150.00 per hour
Inspections	\$150.00 per hour
Court Attendance or Court Testimony, minimum Over 8.0 hours	\$900.00 per day \$150.00 per hour
Deposition Testimony Over 2.0 hours	\$300.00 minimum \$150.00 per hour
Retainer Fee (required prior to commencement of work - credited to account)	\$150.00
Auto Travel	\$0.50 per mile

Out of pocket expenses are charged at cost.

Charges are calculated on a portal to portal basis.

Payment of invoices is expected on a monthly basis. Maximum legal interest will be charged on overdue accounts.

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