

# Lewis Heilman

## Plant Engineer & PI Administrator at MW Combine Cycle Plant

Penns Grove, NJ - Email me on Indeed: [indeed.com/r/Lewis-Heilman/99d21dbfac6d0daf](https://indeed.com/r/Lewis-Heilman/99d21dbfac6d0daf)

A position as a Project / Plant Engineer.

### WORK EXPERIENCE

#### Plant Engineer & PI Administrator

MW Combine Cycle Plant - February 2008 to Present

Member of the safety committee during VPP Star certification and completed over 20 safety related projects in 2011, many personally sponsored.

Covered for Operation and Maintenance Managers during absences; field personnel, reports and safety audits. MicroGADs, ORAP reporting, daily expected capacity and PJM MW verifications.

3000 KVA Transformer replacement, corrosion protect (including Cathodic Protection) and DCS/PI upgrades. Control Room modifications; CCTV, noise abatement and HVAC upgrades.

- Computer experience of 25 years with Microsoft products, Word, Excel, Power Point, Outlook, Project, PI Process Book/SMT, AutoCAD, Microstation and Visio.

- Bachelor of Science and fifty-four additional courses/training.

- Outage and start-up coverage including supervising critical piping repair, Fluid Catalysis Cracker reactor vessel repair, and I & C startup of new Sulfur Plant. Special assignments included 12-hour shifts in Indonesia at a new LNG Plant start-up (4 months) including Power Plant. Also includes Beaumont Tx., labor dispute coverage (3 months) with commendation letter.

- Managing projects from justification to signature close out; budget, schedule, design, scope of work, bidding/awarding using PSM, MOC & FEL procedures. Many years of experience getting groups together as part of the problem and part of the solution to what-if the elements for the best business decision.

- In 1994, as a field engineer at Mobil Oil, I completed 52 assignments from technical service request to million dollar projects using the MOC process.

- Operated Cogeneration Plant while holding power licenses for Philadelphia Pa. and a New Jersey. First Class mechanic for refinery including cogeneration plant.

Detailed EXPERIENCE:

#### Diver Certified

CPR - Annually Updated - 1995 to Present

Grade A Boiler License Phila.Pa. 1998-Present

Safety Committee Certification 2009-2010

Bob Bond

Sales

Chalmers & Kubeck, Inc.

150 Commerce Drive  
P.O. Box 2447  
Aston, Pa. 19014-0447  
Phone: 610-494-4300  
Email: rbond@CandK.com

Jack McCarthy (Previous Sunoco Supervisor)  
Business Manager  
Altran Solutions (Last Known Employer)  
523 Hollywood Ave.  
Cherry Hill, N.J. 08002  
Phone: 856-662-0622

Urmaz Talvet (Previous Sunoco Client)  
Senior I & C Engineer  
Jacobs Engineering Group  
Phone: (856)-780-9523  
Email: URMAS.TALVET@JACOBS.COM

Thomas Schneider (Previous Sunoco Supervisor)  
CADD Supervisor  
Home (856) 764-1655

### **Plant Engineer, PI Data administrator**

North American Energy Services - 2011 to 2011

Power plant performance training. 3000 KVA Transformer replacement. Added many new access ladder/steps and platforms. P-91 inspections and piping support improvements. Plant painting specification and scope of work. Building HVAC troubleshooting and upgrade. Day-to-Day energy predictions for plant. 230 KV Breaker sizing investigation. Plant monthly performance reports. Foxboro training, DCS upgrades & maintenance. GADS work. MicroStation & PI Administrator. Safety Committee member.

### **Trainer Refinery, Senior Engineering Consultant, engineering & design Barge/Ship Dock rebuild**

Next Century Consulting Inc - 2007 to 2008

Project. CEMS Main Flare commissioning. AutoCAD 2007. Current annual; PSM, Site, MTSA training, drug and background screening.

### **President**

Next Century Consulting Inc - 2001 to 2008

### **Sun Oil Company, Senior Engineering Consultant, justification thru start-up**

Next Century Consulting Inc - 2001 to 2007

Turbine Electronic Governor & Extraction Steam Desuperheater system design & installation. Bunker loading facility; 2300 v motor, 575 v MOV's, lighting, Pneumatic pump around control, DCS, & PLC control/ shutdown system schemes w/cutover to an existing system during operation. Oversee/start-up Variable Frequency drive system installation. Steam quality analyzer installation. Plant Air Compressor Project, I & C portion, HMI, PI, TDC, & Radio Telemetry. Main FCCU Stack Flow, Scintillation technology. Design estimates for DeltV w/radio telemetry. Field-Follow and Direct Shutdown system reinstrumentation of Ethylene Oxide Unit while directing two-month turn-around I/E efforts. 500KW Back-up Generator project. First KW Control of pump spillback. FEL/SIS/MOC-PHA Project Management.

**Senior Member**

Instrument Society of America - 1980 to 2003

**Plant Engineer**

Inolex Chemical Company - 1998 to 2000

to include design and installation of fiber-optic network and DCS system  
(G.E. Simplicity & PLC 9030), Plant Instrument and Electrical Maintenance, Powerhouse Grade A Boiler License, Powerhouse Maintenance, HVAC Pressurization Systems installations, AUTOCAD 14, P&ID revisions, ISO Calibration Instrument Maintenance (Procal), PHA, & Area Classifying, Simplicity HMI, PLC 9030 & Visual Basic training.

**Maintenance Instrument/Electrical Engineer for 96 Unit**

Hess Oil Virgin Island Corp - 1995 to 1998

550,000 b/d Refinery; Maintenance Engineering/Supervising, PSM/PHA & Project work. Coordinating maintenance work. Allen-Bradley PLC & G. E. Series One installations. Pump load control protection, 52 installations.

**Senior Instrument / Electrical Engineer**

Mobil Oil Corporation - 1991 to 1995

Project work, project management, technical services, maintenance and trouble-shooting support. Initiate and justify, design, purchase and follow-up installation of capital and expense projects. Oversee and manage all projects installed in a thirteen-unit area, including utilities. Provide technical, operational and mechanical support on variety of instrument / electrical and mechanical assignments.

**Responder for Mobil (Lead)**

Commodore, Pegasus Boat Club - 1986 to 1995

**Senior II Engineer**

Mobil Oil Corporation - 1989 to 1991

Project management, estimates of control systems design, and technical service.  
Supervised / coordinated, contract and maintenance activities.  
Standardized Refinery Gas Detection Equipment.  
First Neutron & Microwave level detection equipment.

**Advance Engineer Mechanical Department**

Mobil Oil Corporation - 1984 to 1989

Project management, of multiple efficiency improving protects.  
Estimates of control system design and technical service.  
I/E Engineer & Start-up coordinator of New Sulfur Plant.  
Special assignment Beaumont Tx. Refinery.

**Scheduling / Planning Foreman**

Mobil Oil Corporation - 1983 to 1984

Supervisor maintenance  
Scheduled manpower work, overtime.  
Processed work orders, issued contracts.

**Control System Engineer**

Mobil Oil Corporation - 1980 to 1983

Project management.  
Estimates of control system design.  
Coordinated contract turnaround work.

### **First Class Mechanic Certification**

Mobil Oil Corporation - 1972 to 1980

1976-Present

### **Instrument Technician**

Mobil Oil Corporation - 1974 to 1979

Selected for special, 6-month international assignment: P.T. Arun, Indonesia.

### **First Class Mechanic**

Mobil Oil Corporation - 1972 to 1973

Earned a Blue Seal Steam License in Powerhouse Operations.  
Operated Coker Unit.

### **Electro Mechanical Technician**

Wheaton Glass - Millville, NJ - 1970 to 1972

Instrument Mechanic

Installed and maintained advanced bottle inspection equipment.

NJ Blue Seal Boiler License 1972-1980

## **EDUCATION**

### **Bachelor of Science in Instrumentation and Electronics Technology**

Wilmington College - Wilmington, DE

1975

### **Associates in Instrumentation and Electronics Technology**

Salem County College

1972

### **Diploma**

Paulsboro High School - Paulsboro, NJ