

# Curriculum Vitae

July 31, 2023

NAME: Paul Eugene Redden

## EDUCATION:

1970-1974	Hammond High School, Hammond, Indiana Awarded Diploma
1974-1978	Rose-Hulman Institute of Technology, Terre Haute, Indiana Awarded Bachelor of Science Degree in Civil Engineering Magna Cum Laude  Tau Beta Pi Engineering Honor Society
1979-1980	Purdue University, West Lafayette, Indiana Awarded Master of Science Degree in Civil Engineering  Chi Epsilon – Civil Engineering Honor Society
1983–1985	Pepperdine University, Malibu, California Awarded Master of Business Administration

## OTHER ACHIEVEMENTS:

Professional Recognition -Registered Civil Engineer and Land Surveyor in the state of California

Project Management Professional (PMP) certification from Project Management Institute

## Publications:

Contributing author for article entitled “Photovoltaic Powered Water System for an Indigenous Community in the Ecuadorian Amazon Rainforest” published in SBE16 Brazil & Portugal Sustainable Urban Communities September 2016, ISBN: 978-85-92631-00-0

Contributing author on profitability analysis for “The Engineer’s Cost Handbook.” This included a software program for quick economic analysis. Published in 1997 by Marcel /Decker Books

## EMPLOYMENT:

**October 2013 - Present**

**Los Osos, California**

### **Lecturer - Construction Management Department, California Polytechnic State University**

Worked as a lecturer in Construction Management Department in the College of Architectural & Engineering Design. Supported construction management department's projects and activities including:

Implemented a program to incorporate Project Production Management (PPM) technology inside Cal Poly Construction management in conjunction with Project Production Institute. Program included:

- Certification Program for project professionals
- Introduction to PPM for CM advisory council members
- CM 421 course for CalPoly students
- NECA Class entitled "*Using Industrialized Construction to Thrive in Disruption*"

Other Services to department included

- CAED representative on University Budgeting and Long-Range Planning Committee
- Advising students on academic progress (approximately 40-50 students /yr.)
- Co-Chair of Academic accreditation of the department committee
- Subject Matter Expert for surveying and structures
- Grant work in Belize, Ecuador, and Ghana
- Subject Matter Expert Senior projects
- Advisor for Mechanical Contractor Student club
- Member of Search committee for college position

Taught classes are (newly developed listed with \*):

- Introduction to Construction management (CM102)
- Evaluation of Cost Alternatives (CM232)
- Residential Construction Management (CM214)
- Construction Materials and Assembly Lecture (CM113)
- Construction Materials and Assembly Laboratory (CM114)
- Heavy Civil (CM 314)
- Structures I (ARCE 211)
- Structures II (ARCE 212)
- Specialties Contracting Construction Mgmt. (CM 411)
- \*Industrial Construction Management (CM 422)
- \*Value Engineering \*(CM422)
- \*Construction Surveying and Layout (CM 424)
- \*Advanced Project Management (CM 421)
- Senior Project II (CM 462)

**August 2010 - October 2013**  
**Delivery Coordinator (Project Manager)**  
**Chevron Corporation**

**Chengdu, China**

Oversaw the initial construction phase of ODP2 Gas Plant (\$3 billion plant) which included

The construction two new concrete bridges and roadways to the processing units and wells. Oversaw the quality problem resolution of poor concrete strength and demolition of many unacceptable concrete bridge beams

The development and submittal of the Environmental Impact Assessment.

The engineering design using 3D CAD of the gas plant and supporting sulfur plant along with sulfur handling and distribution warehouses including final cost estimates and contracting strategy

The prequalification work for identifying construction contractors in partnership with JV partner Petro China.

**August 2005 - July 2010**  
**Project Management Consultant**  
**Chevron Corporation**

**San Ramon, California**

Developed and deployed enterprise wide Project Execution Planning toolkit and the deployment plans for the new process for Execution Planning.

Led peer reviews for Mergers and Acquisition, and major new country entry developed a specific Peer Review process for evaluation of Mergers and Acquisitions.

Development of Continuing Education in Project Management curriculum, testing, and a new certification process.

Developed and deployed Construction Management toolkit

**August 2002 - July 2005**  
**Global RAN Project Manager**  
**Chevron Corporation**

**San Ramon, California**

Led the \$1.5 Billion program Global standardization for retail automation across Chevron, Texaco and Caltex stations worldwide. Includes all company owned stations and franchise stations. Project consistent of three major components

New EPOS – electronic point of Sales devices – computer register, Scanners, printers, interface with pumps, fuel reordering system, etc.

New GBOS - Global Back Office System - collecting information and managing the ordering, inventory, sales forecast etc. for the convenience stores Voice Over Internet Protocol to eliminate phone lines to call center in Manila new processes for data mining and data migration from old systems to new systems

VSAT - global satellite systems for connecting each service station with central operating headquarters. This includes the entire network configuration and deployed safety standards for Satellite installation at retail stations

**Nov 1999- July 2002**  
**Area 12 / Area 10 Project Manager**  
**Chevron Corporation (PT Caltex)**

**Duri, Indonesia**

Led the \$1.5 Billion oilfield develop projects Area 10 and Area 12 in Sumatra Indonesia. These projects used steam flood technology to increase production from the existing oil field.. Each project is budgeted at \$750 million with a cycle time of funding in January 2001 to initial steam injection of July 2004. Scope includes approximately 800 oil production wells and 500 steam injections wells. It also includes \$50 million in civil infrastructure development and \$50 million in pipeline installations. Also included is a new central gathering station, and four automatic well test stations.

Total staffing will included approximately 12 company project and construction managers and employed more than 100 design contractors and greater than 5000 construction contractors.

**Jan 1997- Oct 1999**

**San Ramon, California**

**Project Management Consultant**

**CHEVRON CORPORATION– PROJECT RESOURCES**

Taught Project Management Courses 101 and 201 domestically and internationally several times and has taught over 50 Chevron Project Development Execution Process (CPDEP) awareness classes. Facilitator of Value Improving Practices and Project Execution Planning. Has facilitated over 30 Value Engineering Studies on projects ranging from \$50M to \$800MM. Developed and presented project management training courses for Project Executives, Project Managers and Operations Representatives with students ranging from Corporation Directors and Operating Company Presidents to field operators and mechanics. Other Project Management processes and courses developed and presented include Post Project Assessment-Peer Review, Project Controls Live, and Economic Evaluations.

Recognized as Chevron Corporation's Subject Matter Expert on project controls and CPDEP for Chevron Technical University. As Chevron's Business Process Owner for SAP Project System provides guidance and consultation on the use of this enterprise wide system. In addition, was the founder and presided as Chairman of the SAP Project System user group for the North and South America, which includes over 1000 companies including all major oil companies.

**Aug 1993- Dec 1996**

**Richmond, California**

**Senior Project Engineer / Project Consultant**

**CHEVRON RESEARCH and TECHNOLOGY COMPANY**

Project manager for Saudi Aromax conceptual phase. This included coordination of process and mechanical design. cost estimation, schedule development, contracting plans, and general coordination of conceptual package preparation. This project is a \$650MM chemical complex built outside of Jubail, Saudi Arabia.

Project management consultant for small projects and small project systems. Developed new processes and provided training and coaching to facilities management and project professionals on the application and deployment of Chevron Project Development and Execution Process (CPDEP). Worked with long range planning on business need for projects

## Project Management Consultant

Also was the Principle project management consultant for large Information Technology (IT) projects. Two large projects were the Global Information Link (GIL) project which replaced 27,000 computers and Chevron Corporation's worldwide Y2K computer remediation project.

Principle Project Management Consultant - GIL Project - This project was to replace all desktop computers in the company and to standardize the software and the network supporting the computers. Each person (27,000 +) had an individual schedule for removing old computer / backing up data, standardizing software, etc. The project was \$150 million in capital expense and \$100 million in operation expense. Had several organization framing workshops with project sponsors and senior corporation management

Principle Project Management Consultant - Corporation Y2K Project - Project is to identify, assess and remediate all of Chevrons Y2K computer problems. This is an corporation wide project to develop process to detect and remediate potential Y2K problems. All programs, sub programs and projects were required to develop CPDEP roadmaps for project development and execution

**Dec 1991- July. 1993**  
**Project Engineer**  
**Chevron Marketing**

**Louisville, Kentucky**

Supervised the design contractor, construction contractors, and assisted in the startup. Project consisted of two fully automated lube oil blending systems, 20 new tanks, a new automated loading rack, the replacement all feed and product pumps, new tank level monitoring system, and new packaging equipment. Reviewed scope documents and execution plans

**Dec. 1988- Nov. 1991**  
**Construction Engineer**  
**Chevron Corporation**

**Richmond, California**

Supervised Company construction representatives and safety engineers for Waste Discharge Order Project. Responsibilities also included contract administrator for the project. This project included the drilling of many delineation water wells, reviewing soil hydrology analysis, and the installation of a collection and treatment system. Annual budget for the project was \$100MM. Reviewed and revised project organization

**July. 1986- Nov. 1988**  
**Construction Engineer**  
**Chevron Chemicals**

**Los Angeles, California**

Responsibility included the mechanical review, the construction supervision, and the start up a new wastewater treatment plant and the dismantling of the old plant. This project also included construction of a new warehouse, a training facility, and a new control system for the treatment plant. Equipment included new equalization and neutralization tanks, and a Dissolved Air Floatation unit, Corrugated Plate Interceptor. Coordinated design and construction personnel

**June 1980- June 1986**  
**Project Engineer**  
**Chevron USA**

**El Segundo, California**

Provided technical specifications, engineering designs, contract terms and conditions, construction supervision, and startup assistance for several projects. This includes 3-600MMBBL crude oil storage tanks and associated tank field upgrades, a 1000 HP waste gas recovery compressor and auxiliary equipment, a new \$15MM laboratory / clinic building, and several major upgrades to waste water treatment system. Project responsibilities included cost control and schedule management. Also provided training to operations on the new facilities and addition courses on relief system and steam system design.

**May 1978- Sept. 1979**  
**Design Engineer -**  
**AMOCO Corporation**

**Whiting, Indiana**

Responsible for the mechanical design and the construction of a new hydrogen scrubbing unit, which included absorption and stripping columns, spent and fresh caustic tanks, foundations, piping, instrumentation, etc. In addition, provided engineering design for the upgrade of the steam boiler controls and boiler feed water treatment system.