

Gilbert "Bert" Schutza  
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Education:

Roosevelt High School, San Antonio, in top quarter of class of 1984.

Associate of Applied Science Degree, Corrosion Technology 1989.

University of Texas at Austin, Liberal Arts and German Studies 1985 - 1987

Professional Qualifications:

National Association of Corrosion Engineers (NACE) Certified CP Specialist, 1998

National Association of Corrosion Engineers (NACE) Certified Sr. Corrosion Technologist, 1998

National Association of Corrosion Engineers (NACE) Certified Corrosion Technologist, 1994

National Association of Corrosion Engineers (NACE) Certified Corrosion Technician, 1990

Professional Membership:

NACE Committee Member for NACE RP0285-2007, Standard Recommended Practice for Corrosion Control of Underground Storage Tank Systems by Cathodic Protection.

NACE Committee Member for NACE TM0101-2013, Standard Test Method – Measurement Techniques Related to Criteria for Cathodic Protection on Underground or Submerged Metallic Tank Systems.

NACE Committee Member for NACE TM0497, Piping Systems, Cathodic Protection Criteria Measurement

Steel Tank Institute (STI) Committee Member for STI R972, Recommended Practice for the Addition of Supplemental Anodes to STI-P3 USTs.

STI Instructor, Cathodic Protection Training and Tester Certification Courses.

NACE Central Texas Section Chairman, 2014 – 2017.

Awards:

NACE 20-Year Committee Member Award, 2009.

Official Organization Seminar Presentations:

Texas Commission on Environmental Quality (TCEQ) Annual Compliance Assistance Seminar, Underground Storage Tank Cathodic Protection, annually.

National Association of Corrosion Engineers (NACE) East Texas Section Seminar, AST and UST Cathodic Protection Issues, April 2011.

Steel Tank Institute (STI) Underground Storage Tank (UST) Cathodic Protection Tester Training and Certification, 2009, 2011, 2013, 2015.

American Society of Testing Materials (ASTM) Alternative "to manned entry" Integrity Assessment of Steel Underground Storage Tanks, Conshokaken, PA.

Publications:

Petroleum Equipment & Technology, August 2000 Issue, Cathodic Protection – An effective answer to the tank system corrosion problem.

Insite Petroleum Equipment Installers and Maintenance Federation, August 2005 Issue, PetroScope™ – Tanknology In-Tank Remote Controlled Camera.

Employment History:

Worked as a Corrosion Technician for Global Cathodic Protection, Inc., in Houston, TX. Duties included installing cathodic protection for the City of Houston Water District and installation of deep well anode beds for Chevron Oil Company and also the City of Houston.

Worked with ConCeCo Engineering, Inc. as a Corrosion Technician, performing annual surveys of water tanks, transmission lines, and gas lines. Also involved in design of cathodic protection

systems, investigation of corrosion causes and mechanisms, implementation of corrosion control procedures, field surveys, and soil resistivity tests.

1992 – 1996. Worked with Tanknology, Inc. as a Corrosion Technician, performing PetroScope internal inspections of tanks, corrosion assessments, cathodic protection designs, cathodic protection system start up, and cathodic protection system testing for major oil companies underground storage tank systems.

1997 – 2015. Summary of main responsibilities. To provide leadership with respect to all technical considerations involved with the Company's "Corrosion Protection" activities. Responsibilities include supervision/training of Technicians and Engineers, developing appropriate technical standards, and assisting in the overall management of the Corrosion Protection Business. Responsible for all CP technical field activities. Responsible for establishing CP engineering standards for testing and installation of cathodic protection systems for underground storage tank systems. Other main duties include managing the CP engineering department, assisting in technical meetings with national customers, assisting regional operations with preparation of proposals, and assisting environmental protection agencies with technical issues related to underground corrosion control. Responsible for supervising all cathodic protection testing, design, and installation/repairs for both galvanic and impressed current cathodic protection systems on steel underground storage tank systems. Additionally, responsible for writing and maintaining the testing and installation procedures for Tanknology cathodic protection services and also responsible for training and supervising both cathodic protection operational managers and cathodic protection testers.

Work related activities include supervising and training cathodic protection field testers. Additionally, responsible for maintaining specifications for cathodic protection materials for both galvanic and impressed current cathodic protection systems.

Other corrosion related work includes internal inspection of both fiberglass tanks, lined steel tanks, and un-lined steel underground storage tanks for internal corrosion and material damage via remote controlled video inspection (PetroScope) system. Related work includes training corrosion technicians to perform site corrosivity testing and PetroScope internal inspections. Work related corrosion duties also included demonstrating the alternative integrity assessment via PetroScope method for steel USTs to the American Society for Testing and Materials (ASTM), and to other environmental protection agencies and major petroleum companies in Australia, the United Kingdom, Norway, Sweden, and Denmark.

Projects` include maintaining corrosion protection compliance for major petroleum company's underground storage tank facilities. This work includes but is not limited to the scheduling and supervising of CP surveys, and writing CP compliance reports and/or generating proposals and CP designs for repairing non-metallic product –passing UST cathodic protection systems. Responsible for monitoring cathodic protection rectifier output results every 60-days for

impressed current cathodic protection systems and assisting major petroleum companies with on-going cathodic protection compliance.

Other projects completed in the last three years where I was directly responsible in all aspects of the project include; 1) Galvanic "magnesium anode" cathodic protection system installation for seven 20,000-gallon steel USTs and associated 400' of 6" suction and return cast iron piping at the University of Texas Austin Power and Utilities. 2) Galvanic "magnesium anode" cathodic protection system installation for 600' of 60" diameter carbon steel chiller water piping system at a major semi-conductor plant. 3) Galvanic "magnesium anode" cathodic protection system installation for 250' of 14" and 125' of 8" diameter carbon steel chilled water suction and return piping system at major university.

Other related duties include participation in NACE Technical Committee meetings for redrafting NACE RP0285, Standard Recommended Practice for Corrosion Control of Underground Storage Tank Systems by Cathodic Protection, and NACE TM0101-2001, Standard Test Method – Measurement Techniques Related to Criteria for Cathodic Protection on Underground or Submerged Metallic Tank Systems. Additionally a member on the Steel Tank Institute Committee for redrafting Steel Tank Institute STI R972, Recommended Practice for the Addition of Supplemental Anodes to STI-P3 USTs.

2015 – 2017. At Corrosion Probe, Inc. performing as consultant for corrosion control via cathodic protection technology. Main responsibilities include designing cathodic protection systems for waste water/water industries, writing cathodic protection. Installation specifications, estimating contractor bids as well assisting client with contractor questions, and certification of existing and recently installed cathodic protection systems. Clients whom performed the above listed objectives include, City of Laughlin, City of Atlanta, U.S. AID, City of Springfield, Greenwich, NY, and San Antonio Water (SAWS). Structures included lift stations, clarifier rake arms, fresh water intake grates, 60" to 70" water transmission pipelines, force mains, and outfall piping.