



Personnel Resume

Robert F. Allen

Current Position

Founder & Vice President

Experience

ARK Engineering & Technical Services, Inc. Braintree, MA
Vice President / Principal Engineer / Founder 1991 - Present

Founded the company in 1991, present responsibilities include:

Project management, client relations, budget, technical marketing, fee and contract negotiations, operations manager, and expert witness.

Corrosion control design, installation, testing and commissioning.

Supervise analysis, design, installation, and commissioning of electromagnetic interference mitigation systems.

AC & DC interference analysis and mitigation system designs for railroad and pipeline systems.

Coordinator and principal speaker for Corrosion Control and AC Interference Seminars.

Expert Witness

Algonquin Gas Transmission Company Boston, MA
Principal Pipeline Engineer / Senior Technical Services Engineer 1984 - 1991

Analyze, design, plan, and coordinate electrical and electronic control and instrumentation projects for measurement of natural gas in pipeline system.

Implement computer based cathodic protection and corrosion control monitoring programs for all pipeline facilities.

Project Manager for technical projects related to pipeline operations, cathodic protection, and corrosion control including:

In-Line Inspection of pipelines for corrosion.

Chief Inspector for pipeline replacement projects.

Gas quality measurement.

Electrical interference effects of nearby high voltage power lines to pipelines.

Microwave communications.

Member of the Operations Division Technical Training Staff conducting training for company personnel.

The Foxboro Company Foxborough, MA
System Engineer 1982 - 1984

- Ensure proper technical design and integration of Foxboro's line of process control computer systems used in the power and oil refining industries.
- Design, implement and test custom options needed for specific customer applications such as power distribution systems, backup computer and peripheral switchover systems.
- Technical project Team Leader.
- Point of Contact for customers on technical issues.
- Conduct presentations and demonstrations.

Professional Activities

Southern New Hampshire University

Manchester, NH

Adjunct Professor

Instructor for distance education program college course on “Energy and Society”.

New Hampshire College

Manchester, NH

Adjunct Professor

Instructor for distance education program college course on “Energy and Society”.

Appalachian Underground Corrosion Course

West Virginia University

Instructor

Course Committee Member

Coordinator and principal speaker for Corrosion Control and AC Interference Seminars.

Professional Registration

National Association of Corrosion Engineers (NACE) certified:

Cathodic Protection Specialist – Certification # 5677.

Senior Corrosion Technologist – Certification # 5677.

Education

Bryant University

Smithfield, RI

MBA – Management

1992

Northeastern University

Boston, MA

BSEE

1982

Publications

“Testing and Monitoring of AC Mitigation and Cathodic Protection on Pipelines in Joint Facility Corridors” – *Materials Performance*, Published April 2002.

“Knowing the Basics Eliminates Intimidation From AC Mitigation” – *Pipeline & Gas Industry*, Published August 2001.

“Determining the Effects On Pipelines Built in Electric Transmission ROW” – technical paper presented at National Association of Corrosion Engineers (NACE) Conference, Houston, Texas, March 2001.

“Determining the Effects On Pipelines Built in Electric Transmission ROW” – *Pipeline & Gas Journal*, Published February 2001.

“Cathodic Protection & AC Mitigation Techniques in Joint Facility Corridors” – technical paper presented at the American Gas Association Operations Conference, San Francisco. Library of Congress Catalog Number 20-19797, A.G.A. Catalog Number X59407.

“The Key to Proper Electrical Grounding” – *Electrical Contracting Today*, Published by Associated Builders and Contractors.

Professional Memberships

National Association of Corrosion Engineers (NACE)

Technical Committee Chairman - TG025 - "AC Interference Effects to Pipelines in Joint Facility Corridors"

Technical Committee Member - TG430 - "AC Corrosion Causes & Effects"

2003 – 2009 Trustee – Greater Boston Section, NACE

1997 – 98 Chairman – Greater Boston Section, NACE

Institute of Electrical & Electronic Engineers (IEEE)

American Society of Mechanical Engineers (ASME)