



Name: RICHARD J. VANLIESHOUT

Title: President

Education: Diploma, MBA
Diploma, BS in Mechanical Engineering

Affiliations: ASME, AICHE, ACS

Training: HAZWOPER 40 hour certification.
Numerous professional and continuing education courses and seminars,
(available on request).

Mr. VanLieshout has over 30 years of experience in Business Management, Operations, Project Management, Engineering, New Product Development and Regulatory Affairs in the Chemical and High Value Metals Industry, including world-class Alkali Metals expertise. He has leveraged this extensive experience to envision and form a truly unique company, Creative Engineers, Inc.

Rich maintains careful identification in the hiring of diversely talented engineers and selecting principle leadership. Further, presiding over the company allows Rich to utilize his effective business skills proven leadership and ability to ensure the delivery of products and services that satisfy customers on a daily basis.

A few highlights of his skills and career are as follows:

- Proven Business and Operations Management
- Effective Project Management and Construction Management.
- Management of both chemical processing and utility operations.
- Hands-on use & remediation of alkali metals (sodium potassium and NaK).
- Project & Process Engineering in broad range of chemical processing units as well as high value metals manufacturing.
- Facility engineering including steam, water, air, nitrogen, HVAC and refrigeration systems.
- Experience with many highly hazardous materials including, metal halides, vinyl chloride, anilines, amines, diborane, sodium, various solvents.
- Batch and continuous processing experience
- Reaction, distillation, extraction, filtration, drying, solvent recovery, blending, material handling, packaging and other unit operations.
- OSHA Process Safety Management, ISO 9000 programs, ASME Code, ICC Building and Fire Codes, NFPA Standards.

Richard's Professional Experience Includes



Creative Engineers Inc.

- Founder and President of Creative Engineers, Inc. as a company focused on critical front-end engineering services and custom engineered products for the chemical, high value metals, renewable energy, nuclear, general manufacturing and other industries.
- Grown CEI to over \$5,000,000 per year **in revenue** as the company has leveraged its engineering expertise into equipment design, skid mounted systems, pilot plants and contract R&D.
- Projects implemented have included Process & Automation engineering in a wide range of industries, including: specialty chemicals, high value metals, oil and gas and renewable energy industries as well as general manufacturing.
- The company began with an initial focus on Process & Automation Engineering. Core competencies were expanded to include manufacture of skid mounted systems and complete pilot plants as well as a line of specialty chemicals based on alkali metal expertise.
- Involvement in the early conceptualization phase of complex projects to insure creativity and innovation are delivered to high quality expectations of the customer.
- Regularly function as a team member on projects, including Project Director, Project Manager and Engineering roles, as required.

Callery Chemical Company

- Director of Operations
- Responsibility included all plant operations including the development pilot plant, the Safety Health & Ecology department, and maintenance as well as production.
- Managed the rebuilding of the entire production facility from 1950's technology to state of the art, including full DCS control of processes as well as implementing designs that exceeded environmental standards.

Southdown Inc.

- Maintenance and Engineering manager responsible for continuing operations as well as annual shutdown planning and implementation.

Ciba-Geigy Corporation, Newport DE Organic Pigments Plant

- Project lead to develop a world-wide company strategy for colored pigments. Reported directly to the President of the US Pigments Division. Work involved integrating the input from multiple organizations in Ciba's world wide pigments business.
- Project Manager for the design and installation of a new solvent recovery process to respond to changes in product mix that created lower conversion rates and therefore waste generated. Annual savings versus off-site treatment \$5,000,000. Project was implemented on an emergency basis involving 24/7 construction schedule.
- Responsibility for all facility utilities including steam, water, air, electric, nitrogen, hot oil, effluent, fire protection.



- Plant liaison for design, construction and commissioning of a new pigment finishing facility at the site.

B. F. Goodrich Chemical Company, PVC Resins Plant

- Project engineer for process improvement projects
- Utility support
- Lead process and mechanical engineer for the rebuilding of a process unit heavily damaged in an accident.

Employment History:

Creative Engineers, Inc. President, Founder, Process Engineer	1996 to Present
Callery Chemical Company (division of Mine Safety Appliances) Director of Operations	1993 to 2000
Southdown Inc, Kosmos Division (now part of Cemex) Maintenance and Engineering Manager	1992 to 1993
Ciba-Geigy Corporation (now part of BASF) Project Manager	1987 to 1992
B. F. Goodrich Chemical Company (Now PolyOne) Senior Project Engineer	1981 to 1987