

# **NOMAD METALLURGY, Inc.**

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[www.NOMADMET.com](http://www.NOMADMET.com)

**Curriculum Vitae**, Tom Doggart, P. E.

## **EDUCATION:**

**Master of Science**, Materials Science, Concentrating in Precision Manufacturing, University of Connecticut, 1994.

**Bachelor of Science**, Mechanical and Materials Engineering. University of Connecticut, 1987

**Nuclear Submarine Officer Training**, Nuclear reactor theory and operation, US Navy, 1989.

## **PROFESSIONAL EXPERIENCE:**

**Nomad Metallurgy Inc**, *Director & Principal Engineer*

Responsible for all aspects of a metallurgical and materials consulting business with a focus on failure analysis quality system auditing and manufacturing process development. (1996 – Present)

**Stork – Herron Testing Laboratories**, *Director & Principal Engineer, Charlotte NC Facility*  
Operating Manager and Consulting Engineer responsible for all aspects of an A2LA accredited commercial NDT, Mechanical, Chemical and Metallurgical testing laboratory. (2002 – 2004)

**PerkinElmer Centurion Mechanical Seals (Formerly-EG&G Sealol)**, *Chief Materials Engineer*  
Responsible for all material related functions including, design, specification, testing, process design and trouble shooting, failure analysis and customer interactions for an aerospace dynamic seals manufacturer. (1996 – 2002)

**Danaher Tool Group**, *Assistant QA & Laboratory Manager, West Hartford CT Facility*

Directed an A2LA accredited 10 person threaded fastener testing laboratory while responsible for all failure analysis, plant wide process improvement and scrap reduction. (1994 – 1996)

**UCONN Center for Grinding Research and Development**, *Graduate Assistant/Lab Manager*

Oversaw industry sponsored research, saving sponsor ~\$100K/yr. Managed all functions of the CGRD Materials Characterization Lab. Published: Chipping of Sharpened, Nitrided Spool Valve Edges: Problem Diagnosis and Solutions; SME TECHNICAL PAPERS, May 1995. (1992 – 1994)

**Naval Submarine Officer**, USS Blueback (SS-581) / USS LaJolla (SSN-701)

Responsible for the operation and maintenance of deployed submarines. (1987 – 1991)

**Naval Reserve Officer (Commander)**, Office of Naval Research, Sci-Tech., Raleigh NC

Provide technical assistance to Naval Research Laboratory projects. (1992 – 2007)

## **PROFESSIONAL:**

South Carolina Professional Engineer's License, #23697. Registered in 2004.

North Carolina Professional Engineer's License, #029065. Registered in 2003.

Texas Professional Engineer's License, #85672. Registered in 1999.

Connecticut Professional Engineer's License in Metallurgy, #19049. Registered in 1996.

ASM - Chairman of the RI Chapter, 2001-2; National Society of Professional Engineers (NSPE) - Catawba SC Chapter Chairman 2007 ; Member - AWS; Member – NACE.