

## Nathaniel E. Blaz, P.E.

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**Professional Expertise** Over 15 years of experience as a manager and engineer in the Biotech, Pharmaceutical, and Chemical manufacturing industry sectors.

Site representative for the Milwaukee Eastside Business Improvement District while working at Thermo Fisher Scientific.

### Work Experience

Materion Advanced Chemicals *2011 - Present*

**Plant Manager (2015-Present)**

**Value Stream Manager (2014-2015), Engineering and Facilities Manager (2011-2014)**

- Manage the day-to-day activities of a 100k+ sq.ft. facility working 24/5. Responsible for meeting production, timeline, and customer demands of a 30+ million dollar specialty chemical business.
- Led the site through 3 consecutive years of record production and revenue. Oversaw improvements to operations that were responsible for increases of gross margin in excess of 10%.
- Responsible for the site management team. Directly supervised managers responsible for over 70 employees onsite.
- Facilitated the generation of a leadership system at the site consisting of Value Stream Management, Toyota Kata improvement methodology, Lean Accounting, and Lean / Six Sigma programs.
- Managed a 2+ Million dollar annual capital improvement budget and a 10+ Million dollar annual departmental budget
- Drove cultural changes at the site to improve overall safety, employee engagement, employee morale, and site cleanliness.

Thermo Fisher Scientific (Milwaukee) LLC

*2005 - 2011*

**Engineering Manager (2007-2011)**

**Plant Engineer (2005-2006), Facility Supervisor (2006-2007)**

- Supervised the day-to-day Engineering, Facility, and Calibration activities of a 100k sq.ft. facility. Direct reports included 2 facility technicians, 2 engineers, 1 engineering tech, and 1 calibration tech.
- Responsible for all plant equipment onsite. Managed a budget of over 1 million dollars.
- Designed and managed construction of several rooms (including cleanrooms) within the facility, resulting in significant workflow improvement.
- Developed a Change Control process for site.
- Worked on multiple projects focusing on energy efficiency/reduction.
  - Obtained year-over-year hard dollar savings averaging 60-100k each year.
- Installed and maintained security systems, fire system, building automation packages, Rees environmental monitoring system, calibration system, etc.

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Wyeth Research, Pearl River, NY (now Pfizer)

2001 – 2005

**Building Coordinator (2003-2005), Assistance Building Coordinator (2001-2003),**

**Process Engineer (2001)**

- Worked on the design, startup, commissioning, and validation of an over 100 million dollar building. Served as the building owner representative on several teams, interacting daily with customers and contractors. Systems of interest include cleanroom air handlers, compressed air systems, USP water, WFI water, and clean steam.
- Managed the day-to-day operations of 6 buildings, providing essential services to over 50 building occupants.
- Kept buildings operational and in cGMP compliance working with cross-functional teams consisting of maintenance, quality, engineering, safety, site services, and utilities personnel.
- Managed and maintained the DrawBase Computer Aided Facilities Management (CAFM) System for over 15 buildings. Provided quarterly reports on space occupancy for upper management.
- Wrote and executed validation protocols for Glasswashers, Room Validation, and Building Management Systems.
- Worked in a cleanroom environment as a member of a manufacturing team. Successfully produced batches of both clinical and commercial conjugated monoclonal antibody drug.
- Developed cleanroom operation SOPs in compliance with cGMP.
- Aided in facility preparation by starting up and validating process equipment for clinical manufacturing.

### **Education**

University of Wisconsin, Milwaukee, WI

**Master of Business Administration (MBA)**

University of Wisconsin, Madison, WI

**B.S. Mechanical Engineering**

Certificate: Environmental Studies

### **Professional Training**

Trained in World Class (Lean, 5S) standards.

Six Sigma - Green Belt Trained

ArcFlash Trained

ISO 9001 Auditor Training

### **Professional Accreditations**

State of Wisconsin registered Professional Engineer (PE)

ASOPE Facility Operator 2<sup>nd</sup> Class