

Professional Summary

Results-driven Engineering Leader with 12+ years of experience in manufacturing and process optimization, driving efficiency and innovation in filter and housing production. Proven track record of leading cross-functional teams to achieve strategic objectives, with a strong background in engineering, operations, and quality assurance.

Professional Experience

Senior Engineering Manager (EN09)

Inazuma.co | January 2020 - Present

Engineering Manager (EN07)

NovaTech Inc. | June 2015 - December 2019

Key Achievements:

- Improved manufacturing efficiency by 25% through process re-engineering and implementation of automation technologies.
- Successfully led the launch of 3 new product lines, resulting in a 15% increase in company revenue.

Responsibilities:

- Managed a team of engineers in the design, development, and testing of filters and housings.
- Coordinated with operations to ensure seamless production and quality control.

Senior Engineer (EN05)

Pinnacle Engineering Services | March 2012 - May 2015

Key Achievements:

- Developed and implemented a quality control program, reducing defect rates by 30%.
- Collaborated on the design of a novel filter system, patented and commercialized by the company.

Responsibilities:

- Designed and tested filters and housings for various industrial applications.
- Provided technical support to the manufacturing team.

Engineer (EN03)

GreenTech Solutions | August 2009 - February 2012

Key Achievements:

- Assisted in the development of a sustainable water filtration system for rural communities.
- Improved the efficiency of an existing filter design by 20% through material optimization.

Responsibilities:

- Assisted in the design and testing of filters and housings.
- Conducted site visits to troubleshoot manufacturing issues.

Education

Master of Science in Mechanical Engineering

Stanford University

Relevant Coursework:

- Mechanics of Materials
- Thermodynamics
- Fluid Mechanics
- Manufacturing Processes

Technical Skills

Engineering Software:

- SolidWorks
- AutoCAD
- ANSYS

Manufacturing Technologies:

- Lean Manufacturing
- Six Sigma
- Automation Systems

Quality Assurance:

- ISO 9001
- Quality Control Processes

Programming Languages:

- Python
- MATLAB