


 Walleed Ahmed
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Senior Mechanical Engineer developing mechanical platforms and modular solutions for scalable, durable, and well-integrated designs.

EXPERIENCE

Lead Mechanical Engineer

FLSmidth

2014 – 2024

At FLSmidth, I worked on a wide range of projects in the cement and mining industries, collaborating with teams and clients across different regions. My main responsibilities involved designing machinery, overseeing project execution, and ensuring that solutions were practical and tailored to local needs. I often worked directly with local teams to address challenges and to make sure implementation of equipment in demanding environments ran smoothly.

- Reduced maintenance time on critical machinery by 12% through carefully planned updates and process adjustments.
- Led multi-million-dollar projects in Asia and the Middle East, ensuring they were completed on time and within budget, even under challenging conditions.
- Designed and tested machine components that improved operational efficiency by +10% while also extending their service life.
- Prepared detailed manuals and conducted in-person training sessions for teams in over 8 countries, ensuring consistent equipment handling and maintenance.
- Worked closely with on-site teams during installations, solving unexpected issues and running problem free operations from day one.

Mechanical Engineer - Wind Turbine Component Optimization

Vestas

2008 – 2014

At Vestas, I focused on improving wind turbine components and optimizing production processes. My role required working across teams, suppliers, and production sites to solve technical issues and implement practical improvements. This often involved visiting sites to observe operations firsthand and to make sure that solutions were effective and easy to adopt.

- Improved production processes, achieving an 8% reduction in manufacturing costs while maintaining quality.
- Upgraded key components in wind turbines, which reduced breakdowns by 15% and increased uptime significantly.
- Created clear and easy-to-follow technical manuals for production teams in Europe and North America, making daily operations more efficient.
- Worked directly with suppliers to balance cost and quality.
- Supported teams on-site during equipment rollouts, helping to address potential challenges and ensuring systems were operational without delays.

PROFESSIONAL PROFILE

Senior Mechanical Engineer with broad experience in mechanical platform development, modular design, and precision engineering. I've worked across all stages of product development, from early concept work to detailed design and manufacturing, making sure solutions are practical, durable, and easy to integrate. My approach is structured but hands-on, always aiming for designs that work well in the real world and are easy to refine as needs evolve.

FOSS's focus on innovation and smart use of resources makes this role a great match. I'm motivated by working on well-thought-out mechanical architectures that set a solid foundation for future development. I enjoy collaborating across teams to create solutions that make sense—both technically and in practice. With a strong background in materials selection, tolerance analysis, and design for production, I work systematically to fine-tune designs so they hold up, both on paper and in daily use..

PERSONAL PROFILE

In my free time, I enjoy activities that combine precision and creativity. Building model airplanes allows me to focus on the details while creating something tangible, and kayaking in the summer gives me the opportunity to connect with nature and stay active. I value thoughtfulness and balance in life, and these interests reflect both my technical mindset and my appreciation for calm and focus outside of work. Married and living in Aalborg, I enjoy a steady and grounded life that supports both my personal and professional pursuits.

EXPERIENCE (CONTINUED)

Project Engineer

Danish Crown

2003 – 2008

At Danish Crown, I implemented mechanical solutions for food production facilities, working across Danish and international sites.

- Installed equipment that boosted capacity by 17%.
- Oversaw machinery setup and supported operations at sites in Europe and Asia.
- Improved processes, reducing downtime by 13%.

Mechanical Engineer

International Projects (Freelance Consultancy)

1998 – 2003

I worked on short-term projects for companies in Europe, Asia, and Africa, providing advice, troubleshooting, and design work.

- Designed tailored machinery for clients in different industries.
- Helped solve technical challenges to keep projects moving forward.
- Contributed to new systems for energy and food sectors that met local needs.

Mechanical Engineer

Aalborg Machine Factory

1994 – 1998

I started my career designing and producing components for industrial systems.

- Designed and tested components used in larger production systems.
- Improved existing equipment to make operations more efficient.
- Helped develop prototypes that met technical and safety standards.

EDUCATION & COURSES

2020

Technical Updates in Renewable Energy Systems

Danish Wind Energy Academy

2018

Leadership and Team Collaboration Workshop

Aarhus University

2015

Advanced Training in Machinery Vibration Analysis

SKF Training Solutions

2012

Project Management Professional (PMP) Certification

Project Management Institute

2010

Six Sigma Green Belt Certification

Danish Technological Institute

1994

Bachelor's Degree in Mechanical Engineering

Aarhus Teknikum

REFERENCE - FLSMIDTH

"Walleed has been an important part of our engineering team for many years. He has a strong ability to handle complex international projects and always approaches his work with a focus on practical and effective solutions. He consistently delivers reliable results, from designing machinery to coordinating with teams across countries and solving challenges on-site.

He is highly professional and thorough in his work. Walleed is someone you can count on to complete projects successfully, and his efforts have made a clear difference in improving both our operations and our relationships with clients and partners. I can confidently recommend him for any role that requires technical expertise and a strong work ethic."

– **John Petersen**, Director of Engineering, FLSmidth