Margaret Osei-Lindqvist

Lead Mechanical Engineer | Senior Mechanical Engineer | Mechanical Engineer

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PROFESSIONAL SUMMARY

Licensed Professional Engineer with 14 years designing heavy equipment drivetrains and hydraulic systems. Leads teams of mechanical engineers and designers through product launches, sets design standards, and signs off on structural and fatigue analysis. Known for cutting warranty costs by fixing root causes rather than adding inspection steps.

PROFESSIONAL EXPERIENCE

Lead Mechanical Engineer

Feb 2021 — Present

Ironwood Lift Systems · Milwaukee, WI

- Lead a team of six engineers and two designers developing compact track loader drivetrains, from concept layout through production release and launch support.
- Traced a recurring final drive seal failure to shaft deflection under side load, redesigned the bearing span and brought related warranty claims down sharply within a year.
- Set the group's design review checklist and FEA reporting standard, giving managers a consistent view of margin and risk on every major part.
- Negotiated design changes with three castings suppliers that lowered machining operations and saved about $310,000 a year in part cost.

Senior Mechanical Engineer

Mar 2016 — Jan 2021

Fox River Hydraulics · Appleton, WI

- Designed hydraulic cylinder and manifold families for agricultural OEM customers, including pressure ratings, seal selection and fatigue checks.
- Built a parametric NX template for cylinder variants that cut new-quote design time from about two weeks to three days.
- Mentored four early-career engineers through their first product releases and helped two of them pass the FE exam.

Mechanical Engineer

Jun 2011 — Feb 2016

Lakeview Conveyor Works · Racine, WI

- Designed conveyor drive units and guarding for food plants, meeting sanitary design rules and customer safety requirements.
- Supported field installations and wrote the startup checklist that the service team still uses on new lines.

EDUCATION

MS, Mechanical Engineering — Great Lakes Technical University *2013*

BS, Mechanical Engineering — Great Lakes Technical University *2011*

SKILLS

Technical: Siemens NX, Teamcenter, Fatigue and FEA, Hydraulic system design, Gearbox and drivetrain design, GD&T, DFMEA and PFMEA, Design reviews, Warranty root cause, Supplier development, Team leadership, Six Sigma

Certifications: Professional Engineer (PE), Wisconsin · ASQ Certified Six Sigma Green Belt