

John Elewa

Industrial AI & Advanced Analytics Consultant | 20+ Years Steel & Oil & Gas | Predictive Maintenance | Operati

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Positioning

I help asset-intensive companies turn operational and enterprise data into predictive intelligence, AI-enabled workflows, and measurable improvements in reliability, productivity, cost, quality, and decision-making.

Engagements

Industrial AI & Data Opportunity Assessment

Identify, prioritise and quantify the 3-5 AI/analytics use cases most likely to create measurable operational value - with a data-readiness check and a 90-day roadmap.

Predictive Operations & Asset Analytics Pilot

Assess your operational/sensor history and build a validated predictive analytics or machine-learning proof of concept (maintenance, reliability, production, quality, forecasting).

Fractional Industrial AI/Data Lead

Senior AI/data leadership 1-2 days per week: AI strategy, data architecture, ML delivery, LLM/RAG applications, MLOps and executive reporting - without a full-time executive hire.

Selected case studies

- Generic / Auto-detect (any tabular dataset) (r2: 0.8956)
- Forecasting: Demand & Energy Time-Series (r2: 0.9318)
- Industrial AI: APM & Reliability (Remaining Useful Life) (r2: 0.9207)
- Renewable Energy: Battery Energy Storage (BESS) Health (r2: 1.0)
- ISM + Mechatronics: Industrial Robotic Arm Kinematics (accuracy: 0.8515)
- Renewable Energy: Smart Grid Load & Solar/Wind Forecasting (accuracy: 1.0)