



Major highlights

- Completed training for 1600 people on best practices in 5S/Industrial safety/Materials and Metallurgy.
- Worked with supplier to improve process for phosphate coating, Shot peening for optimization.
- Metallurgical benchmarking of more than 250 parts of competition for material and process analysis of aftermarket components.
- Lead DOE project by Taguchi method for process improvement for friction stir welding at supplier facility.
- Worked on more than 200 new product development in developing heat treatment (Induction hardening, carburizing product).
- Worked on more than 200 metallurgical failure analysis case for gears and axle shafts for failure mode and root cause analysis.

Consultant Profile

Abhishek Tiwari

Senior Consultant

Abhishek Tiwari is Senior consultant in Omnex, Operating from Pune, India. He brings to Omnex rich and diverse experience, exposure and expertise that he gained from manufacturing/ Research and Development/Process industries. He poses various certification with work experience over 13 years. He started his career with Hindustan zinc Ltd(Vedanta resources PLC) in 2009, then with Indian seamless Metal tubes Ltd. His previous job assignment was at Dana India Technical centre, Pune as Senior Project Engineer.

Abhishek Is an experienced internal auditor for Quality management System For Automotive Industries IATF 16949: 2016 based on ISO 19011: 2019 guidelines, ISO 9001: 2015 with hands on experience on Environment management system ISO 14001, Laboratory management system ISO/IEC 17025.

A Materials Engineer by profession, Abhishek has trained several technical professional from Tier 1/Tier 2 companies on core subjects like failure analysis, Heat treatment, Steel making, Casting and forging. Level II in MT, PT and UT(NDT) methods. An effective communicator, problem solver, with keen attention to the details. He has also trained professionals for 5S, six sigma methodologies, DANA operating methodologies for achieving safety and performance goal. The industries served includes Process, Automotive, Metal industries.

Core Competencies

- Standards:
 - ISO 9001:2015, IATF 16949:2016, ISO 14001:2015, ISO 45001:2018.
- Industrial safety Management tools
 - Jishuken, Kaizen, Gemb
- Advanced Product Quality Planning
- Production part approval process.
- Process Failure Mode and Effective analysis.
- Statistical process control.
- Jishuken, HIRA, HAZOP study for safety compliance.
- Task Based risk assessment.
- Problem Solving Methodologies.
- New Product Development process.
- VA/VE
- Aftermarket, Benchmarking

Education & Certifications

- Bachelors Degree in Metallurgical and Materials Engineering
- Green Belt in Six Sigma
- Level II in MT, PT and UT.