

JOB DESCRIPTION & PERSON SPECIFICATION



Job Title: Industrial Engineer	Location: Hunmanby
Department: Operations	Contract: Permanent/Full-time
Reports To: Production Manager	Direct Reports: Process Improvement Technician

1.0 Job Summary & Role

Deep Sea Electronics is one of the world's top manufacturers of generator controllers, auto transfer switch controllers, battery chargers and vehicle & off-highway controllers. We employ over 200 people across four continents and sell our products to 150 countries direct from our UK head office and through our comprehensive distributor network.

The industrial engineer will find ways to prevent waste and inefficiency in production processes. They will adapt and implement LEAN tools and techniques to create efficient systems that integrate workers, information, machines, energy and materials to manufacture the products. They will also work in a support role for CAPEX projects and Industrial Deployment projects.

2.0 Key Responsibilities & Main Duties

- Utilize principles of mathematics, science and engineering to streamline processes
- Identify opportunities to prevent waste and inefficiency in production
- Research and test design ideas to determine feasibility, utilizing Lean Manufacturing, Kaizen, Six Sigma, and root cause analysis to formulate/support innovation, corrective actions, and continuous improvement activities
- Develop and design robust manufacturing concepts to simplify/improve manufacturing processes to ensure best practice, performing structural analyses of components and assemblies, building prototypes, evaluating performance, identifying issues, and make improvements
- Create and maintain required manufacturing process documentation, including process flow charts, capacity and utilization studies, time and motion studies, standard work, cycle time analysis and line balancing
- Collaborate with cross-functional teams to gain insight and direction



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3.0 Internal & External Relationships

- Internal : Health and Safety responsible (Birds Triangle, Green Cross, Near Misses, COSHH Register, RAMS), Quality (PPAP, ICAR, Scrap Reports, Rework Report), R&D (NPI, Controlled Batches), Maintenance (MTBF, MTTR, TPM)
- External: Contractors (RAMS, Management), Subcontractors (Audits), Suppliers (Audits, SRM), Customers (VoC)

4.0 Key Performance Indicators

- Contributes to an OEE > 80% (OEE= Overall Equipment Effectiveness)
- Contributes to OTDC > 98% (OTDC = On Time Delivery to Customer)
- Leads at least 5 Blitz Kaizens and 5 Kaizen Projects / annum
- Improves DLP by 3% per annum (DLP=Direct Labour Productivity)
- Improves PLT by 5% per annum (PLT=Production Lead Time)

5.0 Essential/Desirable Factors

Knowledge	
Essential: <ul style="list-style-type: none"> - LEAN – 6Sigma techniques and methodologies - Excel – advanced - MRP/ERP 	Desirable: <ul style="list-style-type: none"> - SAP/Epicor - VSM - Financial Management
Skills & Attributes	
Essential: <ul style="list-style-type: none"> - Organised, Analytical - Good Soft Skills 	Desirable: <ul style="list-style-type: none"> - N/A
Experience	
Essential: <ul style="list-style-type: none"> - Over 5 years as an Industrial Engineer in a Manufacturing Environment 	Desirable: <ul style="list-style-type: none"> - Electronics Engineering Background
Qualifications	
Essential: <ul style="list-style-type: none"> - Green Belt or relevant similar experience 	Desirable: <ul style="list-style-type: none"> - Industrial / Process / Methods Engineer - IOSH Training



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Created by	Dated Created
Tudor George Baltatu, Production Manager	24/12/2020

This information has been discussed and agreed with the new employee as part of the onboarding process:

Job Holder

Signature _____ Print Name _____ Date _____

Line Manager

Signature _____ Print Name _____ Date _____

