**SUMMARY**

Manufacturing Engineer with extensive knowledge in Lean Manufacturing, Quality and Industrial engineering with 4 years experience as a Process Engineer in process improvement/validation and prototype builds and new product launch and new product introduction.

**CORE COMPETENCIES**

Process Improvement, Process flow diagram, Lean Manufacturing, DMAIC, Kaizen, Root Cause Analysis, 5S, AutoCAD, MS Office, PFMEA, 8D, PLM and Oracle.

**EDUCATIONAL QUALIFICATION**

* Bachelor of Engineering in Manufacturing Engineering ­ Central institute of Plastics Engineering and Technology, Anna university – April 2014
* Diploma in Mechanical Engineering –Tamilnadu Polytechnic college – October 2009
* SSLC -TVS Sundaram Matriculation School – June 2006

**PROFESSIONAL EXPERIENCE**

# Senior Process Engineer - Engineering

## TPi Composites India Pvt Ltd ­ May 2019 to Present

**Key Deliverables:**

* Preparation of work instructions (WI)/standard operating procedures/PFD’s for prototype manufacturing and serial production.
* Implementation of best practices and lessons learned from other TPI factories from Mexico, turkey chinaduring prototype builds.
* Preparation of PFMEA’s for all processes and working with quality and production team to issue/ revise PFMEA/Control plan/control forms.
* BOM preparation according to customer drawings and material consumption reports preparation and BOM updating during prototype builds and pre-serial.
* Closely working with design engineers to review the DFMEA for all tooling’s/fixtures before launch and identify manufacturability issues during launch and serial production.
* Technical training to process associates and production technicians for all process with class room and practical trainings.
* ECO reviews and implementation from customers as required along with CFT.
* RCCA preparation and taking corrective actions for critical defects and 8D analysis participation with CFT.
* New process development using process trials and effective implementation during prototype builds.

# Process Engineer–Process Engineering

## Siemens Gamesa Renewable Power Pvt Ltd –­March 2016 toApril 2019

**Key Deliverables:**

* Lead and manage the process of technical transfers (including process development, scale up and new product introduction (NPI) from development to manufacturing and between sites/companies.
* Development of visual work instructions VWI and Work instructions WI and standard operating procedures SOP for new processes and methods.
* Developing new composite components and processes and validation during prototype and pre-serial manufacturing
* Investigating and proposing new production procedures and methods to automate, improve and proactively monitor, identify, develop and implement improvements in process and equipment’s.
* Design of Jigs and Fixtures for new products manufacturing and validation during prototype manufacturing
* Conducting Process audits to review critical product Characteristics and process variables and implementing sustainable corrective actions for process shifts or upsets.
* Providing technical training for new equipment, process &procedures to production technicians and staffs.
* Improve and ensure line processes are in control using SPC, CPk calculation and QC tools.
* Working with PQE team to prepare PFMEA, Root Cause Analysis and 8D during Prototype builds and pre-serial.

# Junior Engineer – Production

## VRV Asia Pacific Pvt Ltd –­ March 2016 to April 2019

**Key Deliverables:**

* Plan, lead and supervise production team to ensure on-time delivery by elimination of major bottlenecks in fabrication.
* Design tools and fixtures for Welding and Assembly process.
* Work with quality department to ensure fabricated parts meet customer specifications by stage by stage fabrication clearance as per QAP
* Improve manufacturing efficiency by analyzing and planning work flow, space requirements, and equipment layout;
* New product development and trials execution along with involvement of design and R&D functional teams.
* Responsible for copper soldering process methods study and continuous improvements to improve quality of weld and reduction of material wastages.
* Working with Planning and Procurement for timely delivery of materials to avoid delays in production.
* Implement lean manufacturing techniques in fabrication process to reduce cycle time, inventory levels and deliver zero assembly defects.

# Junior Engineer Trainee – Production

## Win Wind Power Energy Pvt Ltd –­ Nov 2009 to July 2011

**Key Deliverables:**

* Planning day to day production activities to achieve the maximum production.
* Co-ordinate with QC for quality clearance of inward materials and stage by stage production acceptance.
* Identify and improve manufacturing profitability through productivity improvement, waste reduction and safety improvement through kaizen implementations.
* Working with the tooling and R&D to develop improved molding techniques for composite parts.
* Maintains housekeeping, discipline and safe working environment at all time.
* Ensure operators work accordingly to work instructions (WI) and provide technical support to them.
* Root Cause Analysis preparation for major repairs and working with cross functional team for taking corrective andpreventive actions to ensure zero defects.
* Analysis of daily tools consumption and generation of production reports weekly.
* Handling skilled manpower and shop floor administration.

**ONSITE PROJECTS AND TRAINING**

* Technical Training for G132 3.3 MW wind turbine blades prototype manufacturing for 2 weeks at Siemens Gamesa Renewable Energy, AOIZ, at Navarra, Spain.
* Worked as Industrialization Engineer responsible for G132 3.3MW launch and prototype manufacturing for 5months at Siemens Wind Energy Inc, Fort Madison, USA.
* Worked as Senior Process Engineer responsible for V150 4MW launch technical training and prototype manufacturing for 7months at TPi composites ltd, Turkey.
* Technical Training for V150 4.2 MW wind turbine blades manufacturing for 1 week at TPi wind turbine ltd, Yangzhou, China.
* Best kaizen Award for 2009 at Siemens Gamesa Renewable Power Pvt Ltd.

**ACHIEVEMENTS AND AWARDS**

* Best employee Award for 2009 at Siemens Gamesa Renewable Power Pvt Ltd.
* Reduced cycle time of blade from 36hrs to 24hrs by identifying continuous improvements and lean manufacturing implementation along with cross functional team at Siemens Gamesa Renewable Power Pvt Ltd.

**PERSONAL INFORMATION**

**Name** Suresh

**Date of Birth :**27.09.1990

 **Nationality/ Religion:** Indian/ Hindu

**Marital Status/ Gender :** Married/ Male

**Languages known :** English, Tamil.

**Email:** suresh-397670@gulfjobseeker.com

**DECLARATION**

I hereby assure that information furnished by me is true.

Date: Yours sincerely,

Place: (SURESH)