



Dr.Karuppa Chinnathambi

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Sub. : Resume Of K.Chinnathambi

Dear Dr. Yogendra Nath,

Per your response to your earlier email, I've enclosed details of 30 plus years of my experience since 1976, contributing in the field of both aircraft and automotive continuous improvement of foundry, metallurgical processes, global supplier development and project management for top-tier firms in India, UK, Italy, Germany and USA.

I believe in lifelong learning, completed my Ph.D. in industrial metallurgy/Metal casting while I was working for Ennore Foundries Ltd/British Leyland UK and qualify my job every day. I'm flexible, **adapt to change quickly**, collaborative, innovative, quick learner, focus and pay attention to details to **take care of business requirements at the speed of thoughts** with a positive attitude. **I've about fifty plus international publications in near net shape manufacturing, light weighting of materials, selective ceramic reinforced aluminum and Magnesium automotive components including lean manufacturing/Process standardization, SMED etc.** My multicultural manufacturing involvements and multi language capability – English, Italian, Spanish, German, Tamil (local Indian) will be an added advantage to develop global business/process standardization.

I'm aware of the requirements and expectations of the global business trend in which I can contribute as one of the team members to work together to enhance the company's business performance

I would be pleased to review my credentials with you how I can contribute as a member of your client if it is mutual interest. Please feel free to contact me for additional clarifications.

K Chinnathambi

Enclosure: Resume copy – two pages

Dr.Karuppa Chinnathambi

Team oriented with accomplished manufacturing metallurgist. Believes in lifelong learning and lead by an example all the time to take care of business at the speed of thought.

Background

International manufacturing involvement in India, UK, Italy, Germany and USA for the commercial scale production of automotive and aircraft components from development stage to commercial scale production per the change in demand of global market.

Summary:

- Project management with Value Engineering/Value Analysis
- Toyota production system - Process standardization , Cell design,SMED,Kaizen
- Industrial process/product development/implementation in production
- Root Cause analysis and effective implementation – TRIZ, Shannon Red X
- Research and Development –Near net shape manufacturing including composites
- Involved with 100 to 3000 people in the commercial scale manufacturing plant
- Acquired skill in QS9000, TS16949, AS9100 and lean manufacturing
- Professional membership in AFS, ASQ, NADCA USA and Alucast India
- 50 plus international publications in India, UK, Italy, Germany and USA.
- Contributing technical paper in NADCA journal since 1997 as one of the technical experts in the field.
- Valedictorian in the final year school(proficient in studies, sports and community services)
- Madras University, India first rank with a gold medal in B.E.Hons (Metallurgy)
- Winner of more than 100 plus gold medals in Athletics
- Languages – English, Italian, Spanish, German and Tamil.

Senior Staff Metallurgist – Continental Motors, Inc. USA 2006 - Present

- Supplier Quality, Metallurgical developments, PDCA, CCB.MRB and internal audit per AS9100
- Reduced vendor purchased material rejection (VPMR) processing time from 10 hrs to an average of one hour per day by process standardization
- Implemented **casting process standardization** to air craft cylinder head with visual standards, **root cause analysis to** enhance cylinder head quality with casting supplier.
- Established Italian barrel forging supplier/ACSA to meet the customer requirements in production due to supply shortage of steel in USA during 2012.

Technical Director- Citation Corporation, USA 2000 - 2006.

- Implemented scrap reduction of castings in **seven casting/forging plants** by process standardization with Total Employee Involvement/cross functional team
- Reduced waste(re work, scrap) from 7-8% to 0.5% by focused process standardization of \$15 million product, achieving customer delight
- Certified NDT technicians for X- ray, PT & UT (multiple divisional supports).
- Implemented Lean Manufacturing with focus on Kaizen, SMED and KAIIKAU.

- Established effective interaction between manufacturing plants, corporate team and educational/professional organization to implement product/process improvements to exceed customers' expectation.

Manager, Mfg. Engineering, Ganton Technologies, Inc. USA 1993-1999.

- Implemented reliable manufacturing of aluminum and Magnesium die casting production with 15 direct reports of 225 people team
- Implemented LEAN manufacturing, cell design, SMED , Kaizen and 5S
- Achieved plant's 1st QS 9000 certification, preventing lapse as automotive industry supplier
- Implemented Magnesium die casting production in the existing aluminum die casting plant/culture

Manager, Process Development Kolben Schmidt AG Germany, 1990-1992.

- Implemented commercial scale production of selective ceramic fiber reinforced near net shape aluminum castings **in German plant, then transferred technology to Italy and USA; project completed 30% ahead of schedule** as one of the contributor to the Engineering team- **light weighting** of diesel engines
- As one of the team member, developed selective ceramic reinforced magnesium pistons in collaboration with Mercedes Benz, Audi, Volvo, IZUZU Japan and **Clausthal University** of Technology **Germany**

Manager, Process Development ALUMINIA SPA, ITALY **1987 - 1989**,

- Member of a core team to establish **alloy characterization of fifteen Aluminum Alloys and three Magnesium alloys using Indirect squeeze casting process/liquid melt forging** with and without selective ceramic reinforcements (supply from 10 global suppliers)
- Implemented industrial consortium results (Alumina SPA, FIAT, and ENEA Italy & MIT USA) from development stage to commercial scale production of near net shape components

Chief Metallurgist, Ennore Foundries Ltd India /British Leyland UK, 1976 – 1986

- Joined as an intern, worked night shift and completed Ph.D Industrial metallurgy under continuing education program
- Responsible for metallurgical control, vendor development and quality assurance to customers with direct report of 100 people in the team of 2000 people
- Implemented in-house aluminum alloy making from external purchase to **enhance 25% plant utilization and 15% bottom line contribution**
- Implemented R&D projects to sustain and growth of business with the latest process /product development and project management to acquire an additional 15 % export sales of castings
- Implemented energy audit and conservation program to reduce 15% energy cost.
- Represented company to material and process standardization to enhance the performance of Indian Standard Institute and Indian Foundry men society
- Co ordinated three PhD Thesis for the production employees with Indian Institute of Technology, Madras India (Continuing education program)