



Dr. Sengupta & Associates

A knowledge based enterprise

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About The Company

Dr. R. Sengupta, an internationally acclaimed trainer and consultant in Electronics **and Management**, has established the company. Dr. Sengupta is the former Additional Director of ERTL, Mumbai (a Test Laboratory under Ministry of Information Technology, Govt. Of India) and founder President, SMTA-India Chapter. The company has been incorporated on May 1, 2000, at the dawn of a new era. The company is committed to provide Technical and Management inputs to both Electronic & Non-Electronic Industries in the selected, specialized areas. The ultimate aim of the company is to set up an example of knowledge based enterprise in India.

In the first **Six & half years of its incorporation (May 2000-Oct.2006)**, the company has provided Training and Consultancy to more than 90 top ranking national and multinational clients, in the field of Electronics Manufacturing Technology (please refer our website www.drsga.com for more details).

In addition, in the area of QMS/EMS Consulting, more than 240 Companies have been registered, out of which 165 companies have already received ISO 9001/ISO 14001, ISO 17025 Certification. The range of the companies certified varies from a tiny company comprises of five people, to multinationals.

The latest additions in our services are:

1. Launching an **integrated training cum placement service**, with an emphasis to provide trained Engineers to Indian Electronic Hardware Manufacturing Industry.
2. Introducing **Documentation as Outsourced Services**.

Our Infrastructure

1000 Sft. large space office and beautiful atmosphere with essential amenities like computer, phone, furniture's and Modern appliances.

Company's Policy

"The company has been established to provide world class Advisory, Training and Consulting services to Manufacturing Industries, Technical Institutes and Service Organizations from India and abroad, with a special emphasis to Electronic Hardware manufacturing and allied areas, Hospitality and Healthcare Services and international Certification like ISO 9001/ISO14001/ISO 17025 and others. at a globally competitive price and agreed time domain".

Dr.R.Sengupta, CEO

Rev.3, dated 19-7-2006

Our Services

PART I: MANAGEMENT SERVICES

Consultancy for achieving National/ International Certification

1. **ISO 9001** (Quality Management System Certification)
2. **ISO 14001** (Environment Management System Certification)
3. **ISO 16949** (Quality Management System Certification for Automobiles)
4. **ISO 17025** (Test/Calibration Lab-NABL Certification)
5. **ISO 13485** (Quality Management System Certification for Medical devices)
6. **SA 8000** (Social Accountability System Certification)
7. **HACCP, ISO 27001 (Food Safety) Certification**
8. CE Marking
9. IS Marking
10. **ISO 27001 (Information Security System) Certification**



Management, Productivity & HR Related Training

- Module I: **ISO 9001:2000 (Quality Management System/QMS) Awareness Training**
- Module II: **ISO 14001:2003 (Environmental Management System) Awareness Training**
- Module III **ISO 17025:2005 (Q.M.S. in Test & Calibration Labs. Including Clinical & Diagnostic Labs.) Awareness Training**
- Module IV Introduction to **ISO 16949 (Q.M.S in Automobiles) Awareness Training**
- Module V Introduction to **ISO 13485(QMS in Medical Devices) Awareness Training**
- Module VI Introduction to Food Safety Program- **HACCP**
- Module VII **ISO 22001 (QMS in Food Supply Chain Units) Awareness Training**
- Module VIII **SA 8000 (Social Accountability) Awareness Training**
- Module IX Measurement and achieving Customer Satisfaction
- Module X Introduction to **Lean Concept:5S**
- Module XI Introduction to **Lean Concept: Visual Control**
- Module XII Introduction to **Lean Concept: Stream Mapping**
- Module XIII Introduction to **Lean Concept: Seven Wastes**
- Module XIV Introduction to **Lean Concept: Kaizen**
- Module XV Introduction to **Lean Concept: Poka Yoke & Mistake Proofing**
- Module XVI Introduction to **Lean Concept** in Office
- Module XVII **Lean-Six Sigma for Health Care**
- Module XVIII **ISO 9001:2000 Internal Auditor Training** Program
- Module XIX **ISO 14001:2003 Internal Auditor Training** Program
- Module XX **Six Sigma**
- Module XXI **ISO 9001& Six Sigma**
- Module XXII **Quality Circles**
- Module XXIII **Leadership**
- Module XXIV **Time Management & Personality Development**
- Module XXV **Team Building**
- Module XXVI **Train the Trainers**

Part II: TECHNICAL SERVICES



For Electronic Sector

CONSULTANCY:

- 1) Electronic Manufacturing (Cost Reduction, Productivity & Quality Improvement)
- 2) Design and Setting up of Electronic Hardware Manufacturing facility
- 3) Design and setting up of Electronic Repair Center
- 4) Setting up of ESD control facility in Electronic Manufacturing Repair Center

- 5) Identification and Selection of Electronic Equipment /Assembly Machines
- 6) Effective Implementation of Bar Code Solution for Inventory & Process Control.
- 7) Statistical Process Control Implementation for productivity improvement
- 8) RoHS Implementation

TECHNICAL AUDIT:

Factory cum Process Audit

This service has been designed to find out the adequacy of Electronic Manufacturing process in an Electronic manufacturing unit as per Globally accepted Standards, like IPC-A-610 and ANSI -J-STD-001. A formal audit report is also submitted, stating discrepancies and scope of improvement.

ESD Control Adequacy Audit

Through this service, the adequacy of any ESD Control setup is audited as per ANSI ESD S20.20 and scope of improvement are reported.

ROHS Compliance Audit

This service has been designed to confirm the compliance of an Electronic part/production unit to RoHS Directive, from a third party service provider.



Training (on-site & customized)

- Module-I (Manual Soldering)
- Module-II (Wave Soldering: Process Control & Troubleshooting)
- Module-III (Intro' to SMT)
- Module IV (Process & Process Control in Surface Mount Assembly)
- Module V (IPC-610, Personal Certification)
- Module VI (ANSI ESD S20.20)
- Module VII (Application of Statistical Process Control in Electronic Manufacturing)
- Module VIII (ESD control in Electronic Assembly and rework, For Supervisors/ Engineers)
- Module IX (Lead Free Soldering)
- Module X (BGA- Introduction to packages & Soldering Techniques)
- Module XI (Repair & Rework of Printed Board Assembly)
- Module XII (Design for SMT Manufacturability)
- Module XIII (Evaluating and purchasing SMT Assembly Equipment)
- Module XIV (Failure and Their prevention in Electronic Assemblies)
- Module XV (RoHS Directive and its Compliance)
- Module XVI (Green Electronic Manufacturing – ISO 14001 Certification)

Personnel Certification Program

We are in a process of introducing Personnel Certification Program of International Standard in the area of Electronic Manufacturing Technology from Jan; 2007.

Manpower Development and placement in Electronic Industries

This service includes sourcing, training and placement of Young Electronic Engineers to Indian Electronic Industries

PART III: Documentation Services

This service is to get documentation process of a Company outsourced. Initially the areas where the documentation service will be offered to are HR (Manual development), Marketing (Promotional Materials development) and Training (Module development).

PART IV: Other Services

Technology identification, absorption, transfer and implementation

This service includes identification, absorption, transfer and implementation of Technology to SAARC Countries

Our Overseas Services

We have initiated our services to Bangladesh in 2003 and have already completed two ISO 9001 Certification Projects, including that of Siemens, Bangladesh.

Our Credential (May'2000 to Oct'2006)

- 1. Registered 242 Clients for ISO 9001/ISO 14001/ISO17025 Certification, among which 165 have received Certification.
- 2. Provided Training and Consultancy to more than 72 top ranking national and multinational clients, in the field of Electronics Manufacturing/Repair and Compliances(CE & RoHS).
- 2. Consulted two Companies in Bangladesh for achieving ISO 9001:2000 Certification, including SIEMENS Bangladesh (Power Transmission Division), Dhaka.

Certification Bodies who have approved our clients:

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