



*Electronics Engineering Consultancy*



# EXPERTISED SUBJECTS & STDs

- **Pc based application SW**
- **Unix based application SW**
- **Zenix based application SW**
- **Microprocessor based application**
- **Microcontroller based application**
- **Data base design**
- **Emulator,simulator tools applications**

# EXPERTISED SUBJECTS & STDs

- **SAFETY EVALUATION**

- EN60950 , EN41003 , EN60065 , MIL-STD-1275A

- **FAILURE RATE ESTIMATION**

- British Telecom HRD-5
- BELLCORE TR332

- **PHYSICAL ENVIRONMENT**

- ETS 300 019-1, ETS 300 019-2 and MILSTD 810D High and Low Temp.+ Humidity
- MIL-STD-810D/E , ETS 300 019-1 and ETS 300 019-2 Vibration and Shock

- **ELECTRICAL ENVIRONMENT**

- ITU-T Rec. K.17/K.20, IEC380 , IEE587

- **EMC**

- precompliance tests : ETS 300 386-1 , ETS 300 386-2 , EN50082-1
- compliance tests : MIL-STD-461/462



# FOCUSED PRODUCTS & SUBJECTS

## SW APPLICATIONS

\*Pc, microcontroller, microprocessor based application programs

## POWER SYSTEMS

\*AC/DC Switch mode rectifiers (-48/-24VDC 10-30A) design

\*Power System design with SMPs rectifiers having software control and remote management feature with intelligent charge capability (up 60A to 250A).

\* Rectifier design & System with Thyristor technology .

\*Designing DC/DC converter with multiple outputs having 8 watts to 30 watts in isolated & non-isolated modes.



# FOCUSED PRODUCTS & SUBJECTS

## REPAIR & RETURN

- Return Rate Improvement and Protection of TE & Electronic equipments against:
  - \* High voltage  
Lightning & transient surges, ring waves
  - \* Over current  
Mains power cross & induction
  - \* Noise by filtering
- Repair activities
  - \* All kind of rectifiers having smps & thyristor technologies.
  - \* All kinds of TE & Control systems Cards.



# TEST & DESIGN EQUIPMENT INVESTMENT

- SW simulations
- Office intranet network
- SW development tools
- Oscilloscope & measuring equipments.
- Auto transformer
- Artificial load
- Tool set