

Scope : We offer comprehensive services on Software verification, including system analysis, reviews, tests, Trainings and consulting,

Our target clients are manufacturers of

- ✓ Semiconductors
- ✓ Controls
- ✓ Components
- ✓ Motors / compressors
- ✓ Appliances

SPECTRUM OF PRODUCTS		
COMPONENTS	SYSTEM COMPONENTS	APPLIANCES
Microcontrollers	Temperature sensing controls	Laundry washers
IGBT blocks	Pressure sensing controls	Laundry dryers
Sensors	Motor control boards	Dishwashers
Actors	Bus systems	Refrigerating appliances
Motors	Protective controls	
Motor compressors		

GENERAL INFORMATION AND ANALYSIS		
WHAT	DETAIL	TOPICS
General know-how	Training and Seminars EN / IEC 60335 EN / IEC 60730 EN / IEC 61508 (partially)	Basic training Standards interpretation training Software test training How to test
Analysis of systems	All safety related systems	Risk and hazard analysis FMEA Software class definition Hardware & software qualification
Tools, literature and trainings	All necessary	Literature Methods Techniques Background Consulters

COMPONENT BASED TOPICS AND REVIEWS		
TEST ITEM	DETAIL	SERVICE
Semiconductors	Microcontroller selftest library. IGBT Blocks. Inverter drivers.	Analysis, walkthroughs, reviews and tests.
Sensors and sensing controls	Pressure sensing electronics. Temperature sensing components	Analysis, walkthroughs, reviews and tests.
Communications	Bus systems. (physical and software) Interconnection devices qualification.	Analysis, walkthroughs, reviews and tests.

FINAL APPLICATION ANALYSIS AND TEST-SERVICES		
APPLICATION TYPE	SYSTEM TYPE	SERVICE
Laundry Washers	Single or distributed systems	Analysis, walkthroughs, reviews and tests.
Laundry Dryers	Single or distributed systems	Analysis, walkthroughs, reviews and tests.
Dishwashers	Single or distributed systems	Analysis, walkthroughs, reviews and tests.
Motor technology	Single or distributed systems - Universal - Inverter - Stepper motors - Back EMF / Hall sensor	Analysis, walkthroughs, reviews and tests.
Protective controls	Single or distributed systems	Analysis, walkthroughs, reviews and tests.
Refrigerating motor technology (Inverter compressors)	Single or distributed systems	Analysis, walkthroughs, reviews and tests.

Simplified acceptance of VDE recognized parts and components

