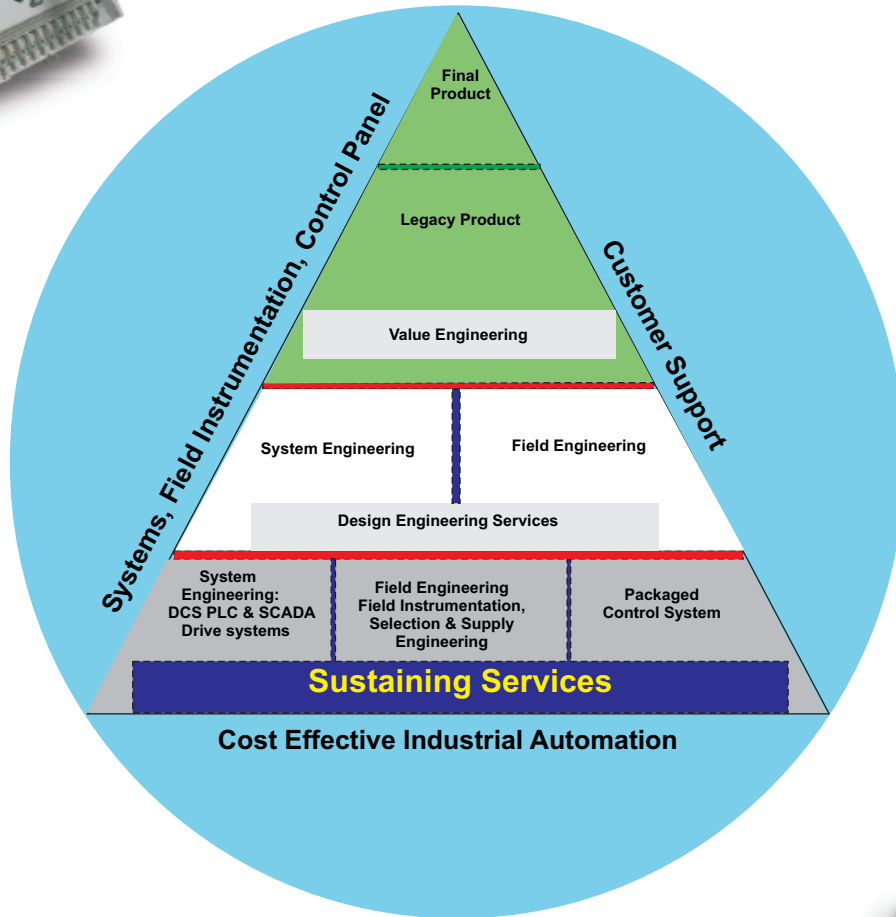


Genisys

innovative people, intelligent solutions



Genisys Smart Automation Pvt. Ltd.

Innovative People
Intelligent Solutions

www.genisys-smart.com



Explosion Proof Products:

Genisys Smart Automation Pvt. Ltd., is the Exclusive Distributor in India for “Explosion Proof electrical equipments” of **Feam, srl**, Italy. Feam has been a leading manufacturer, since 1961, of products used in Hazardous and Flame-proof locations.



s array of equipments include:

- ◆ Enclosures
- ◆ Switches and Push Buttons
- ◆ Axial and Centrifugal Fans
- ◆ Lighting Fixtures
- ◆ Earthing Clamps and Systems
- ◆ Sockets and Plugs
- ◆ Fittings and Cable Glands
- ◆ Electric Heaters
- ◆ Acoustic Signallers



AC Variable Speed Drives

- ◆ **AC Variable Frequency Drives-** Range: 0.37 KW to 1000 KW and Volt. 220 V AC to 1100 V AC.
- ◆ **AC Servo Motors and AC Servo Controllers-** Synchronous and Asynchronous versions. Servo Rating up to 37KW, available in I Phase and III Phase. Servo Motors are available with or without Break units.
- ◆ **Soft Starters:** 5.5 KW to 500 KW and 220 VAC, 415 VAC and 550 VAC.
- ◆ Variable Speed Drives with Specialized Programming for Plastic Industries, Textile Industries, Fans & Pumps, HVAC Units.

Brief Specifications of AC Drives:

- ◆ DSP based Central control module realizes high- speed and high performance control and automatic slip compensation.
- ◆ 10 frequency setting modes, analog terminal can accept the signal of DC 0~10V, DC 0~20mA.
- ◆ Dead compensate function, realizes low frequency and large output torque control
- ◆ Forced communication function, support standard RS485 & supply remote keyboard control function.
- ◆ Special converse module (IGBT) temperature control function, adjustable fan control, timely reduces motor's noise & temperature.
- ◆ At most 7 steps speed control & 8 steps acceleration control can be realized
- ◆ High efficient faults inquiry & record function conveniently obviate the fault.
- ◆ Speed Pursue starting & restart after momentary power loss.
- ◆ Integrated V/F control, V/F+PG control, Vector +PG control
- ◆ Support feedback signal 0~10V, 1~5V, 0~20mA, 4~20mA.
- ◆ 6 Programmable output control terminals
- ◆ Parameter protection function.





Our Solutions Capability:

Our goal at **Genisys Smart Automation Pvt. Ltd.** is to delight the customers by providing quality products and services for plant automation. Our approach is to work closely with the clients from beginning to final stage of projects. Genisys uses leading edge technologies for optimal performance and economic solutions. The people at the helm of affairs at Genisys are Technocrats with extensive experience in Automation.

Key verticals addressed by us are:

- ◆ Power Sector
- ◆ Oil & Gas
- ◆ Chemical
- ◆ Pharmaceutical
- ◆ Cement
- ◆ Paper & Pulp
- ◆ Motion Control Solutions
- ◆ Food & Beverage
- ◆ WTP / ETP / STP



Reliability Engineering, Risk management and Functional Safety:

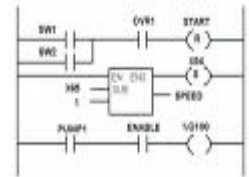
Genisys Smart Automation Pvt. Ltd., represents **M/S.Cteris Consulting Inc, Canada**: the pioneers in the field of Process safety, Risk Management and Reliability Engineering for the process Industries. We have executed requirements related to safety and reliability including Hazard & Operability Studies (HAZOP), Control System HAZOP (CHAZOP), safety Integrity Level (SIL) determination, SIL verification, Layer Of Protection Analysis (LOPA), Reliability, Availability and Maintainability (RAM) studies, preparation of Safety Requirement Specifications (SRS) and safety Instrument System Design (SIS design) etc for various projects. We would be glad to support you in all the listed services related to Reliability Engineering, Risk Management and Functional Safety in any of your ongoing or upcoming projects. We are sure that we can bring value addition to your organization by working together in these areas of mutual interest.





Genisys is providing a wide array of services:

- Project Management
- System Design Engineering
- System Configuration
- Instrument Selection
- I/O Lists
- Hardware Installation
- System Upgrades
- Project Commissioning and Start-up
- Total Plant Automation
- Field Engineering, inclusive of Hook-up Diagrams, Loop Diagrams and Documentation.
- Routine & Preventive Maintenance and Emergency Break Down Services
- Selection Of DCS, SCADA, PLC, Drive system, MMI, Hardware
- Trouble-shooting



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