Company Profile

Excel Automation Solutions, An ISO 9001: 2008 certified and global accreditation by IAO, is an engineering resource company that delivers Industrial automation and Project Management solutions on Instrumentation, Control System and Automation for oil & Gas, Petrochemical, Power, Pharma, Food & beverage, Mining, Paper & Pulp, Chemical industry clients around the world. We specialize in Design, Engineering, System Integration, installing and site support/commissioning the highest quality and most advanced process and plant control systems. We leverage on our expertise and experience to offer customized solutions to the customers in Emerson DeltaV DCS, Emerson DeltaV SIS, Honeywell Experion DCS and variety of PLC / SCADA and Field Instruments.

The automation and control engineering services execution at Excel Automation Solutions is done by continuous supervision of well-experienced Team Leaders, each with more than a decade of enriched control systems experience of various platform and third party interfaces. Thus our customers can unleash the potential of every employee in the utility to serve customers with better quality. Our team is focused on providing specialist support services to main process automation vendors / integrators for their monitoring and control applications for their customer’s industrial requirements.

We support instrumentation & control application engineering, software development, support pre-FAT / FAT / I-FAT / SAT, on-site project services, documentation for various automation systems including DCS, ESD/SIS, FGS, PLC, SCADA / HMI, AMS, Fieldbus. Working in partnership with main automation vendors / suppliers / integrators, the staff supports an ever increasing number of installed systems experience across many client sites. Our engineers have a broad industrial and business background enriched with an in-depth knowledge of control systems and equipment.

We provide Control System Design, Development, Start up, Commissioning & 24x7 Site Support Services in Emerson DeltaV DCS / SIS, Honeywell Experion DCS Engineering to several leading industrial automation companies, system integrators; EPC’s OEM’s and process consultants globally.
Quality Policy

Vision

Vision of Excel Automation Solutions has been to contribute to India and the World through excellence in professional & technical education in the field of Industrial Automation, Control Systems, Instrumentation: to serve as a valuable resource for industry and society: and remain a source of pride for all professionals; to bridge the gap between the expected skill sets in the Industry and the outcome of the Engineering colleges; to create an awareness to the future engineers about the opportunities available both domestic and international market.

Mission

In pursuance of its vision and guiding principles, the Excel Automation Solutions organizes training programmes to facilitate the development of Fresh and committed professionals for developing and sharpening their technical skills in the field of Industrial Automation, Control Systems, Instrumentation to the larger community, at the local, national, regional and international levels.

Quality testimonials

![ISO, ASCBEI, IAO logos]
We provide the following Professional Control & Automation engineering services:

*Excel Automation Solutions* operates in two core vertical, those are supplementing each other in nature. Though projects, service in control & Automation are key area of focus, *Excel Automation solutions*, views training as opportunity to contribute to the profession by developing a quality professional and to develop the talent for its need, keeping the growth strategy in mind.

### Consulting


- Prepare Front End Engineering Design for Emerson DeltaV DCS, Honeywell Experion C300 DCS & DCS Systems, like FDS, DDS.

- Onshore and Offshore FPSO DeltaV DCS Systems / Honeywell Experion C300 DCS Commissioning.

Conducting DCS Software/Hardware Systems Factory Acceptance Test (FAT) - Control Narratives, Functional logics and System Integration Test with other System vendors.

DeltaV DCS and Applications Engineering.

Foundation Field bus (FF) Instruments Configuration and Commissioning.

DeltaV SIS (SLS 1508) Safety Instrumented System.

HART Protocol and HART Device Commissioning.

Modbus and Profibus communications.

Wireless transmitters and gateway configurations.

AMS (Asset Management Systems) Configuration.

Trouble shooting in DeltaV DCS / Honeywell Experion C300 DCS software & hardware problems.

DeltaV web servers Configuration.

Implementation of process change requests for Hardware / Software changes.

Detailed engineering activities, Generating typical graphic elements, analyzing P&ID and assigning Animation to required components on the mimics, generating and testing Dynamo displays, trending and alarm configuration in DeltaV DCS / Honeywell Experion C300 DCS Systems.

Dynamo displays create as per client requirement.

Third party communication
Preparations of DCS I/O List.

Logics development based on control philosophy

Unlimited DeltaV DCS \ SIS sources supply around the world.

Contacting FAT, IFAT and SAT

Careful inspection and maintenance performed by our qualified specialists can reduce or eliminate the risk of lost production time caused by system failures that could have been avoided if the right things had been checked, verified or tested on a prescribed schedule.

A well-designed maintenance program can reduce long-term equipment deterioration and may prevent premature equipment failure or damage.

Our Scheduled On-Site Services can help to minimize the chance of unexpected emergency service calls and costly equipment failures.

**Our Business:**

Excel Automation Solutions has been in the business, offering a wide range of services and engineering in the field of Oil & Gas, Petrochemical, Power and other major industries covering the disciplines of Control & Instrumentation like Delta V DCS / SIS And Honeywell Experion Systems.

Robust & Matured Quality systems, state of art infrastructure and setup with testing facilities for PLC – DCS systems helps us to be Dependable & Reliable Solution Provider and Global Outsourcing partner.
Our Goal:

Excel Automation Solutions seeks to maintain and grow its reputation for providing excellent project management services, cost effective and innovative solutions, technical excellence in project execution, and a final installation which is accepted as high quality by the reputed client's.

Our Focus:

To accomplish our goal, we are focused on recruiting, maintaining and motivating a highly competent, professional staff which is dedicated to the goals and principles of Excel Automation Solutions.

The staff must exist within, and be comfortable with, a culture that encourages all employees to work together towards the common goals of the project as a team.

Our Responsibilities - As a Company:

Excel Automation Solutions is responsible to clients to act always in a professional manner and to focus on doing what is "right for the project".
1 Kurumala refinery, Iraq
   - Supply the control & automation manpower resource to the site for commissioning and start-up.
   - Site changes as per site requirements, commissioning activities, third party communication, pre-commissioning.
   - Site commissioning, graphics development, logic configuration, onsite modification, loop check in Deltav DCS v11.3. Graphics and control modules configuration as per documents and P&ID’s.

2 Chevron Philips Polymers, Saudi Arabia
   - Supply the control & automation manpower resource to the site for commissioning and start-up.
   - Site changes as per site requirements, commissioning activities, third party communications, pre-commissioning.
   - Site commissioning, graphics development, logic configuration, onsite modification, loop check in Deltav DCS v11.3. Graphics and control modules configuration as per documents and P&ID’s.

3 Oyu Tolgoi gold & copper mine, Mongolia
   - Commissioning the Deltav DCS system in concentrator and raw water systems.
   - Review/redesign of complex loops/logic diagrams/control configuration in concentrator / raw water system.
   - Site commissioning, graphics development, logic configuration, onsite modification, loop check in Deltav DCS v11.3.
   - Third party profibus / modbus communication with ABB, Siemens, Genset, bore pump.
4. Kizomba A and Kizomba B FPSO, Block 15 offshore, Angola
   - Commissioning the Deltav DCS system in Kizomba A and Kizomba B FPSO in Angola block 15 offshore platform.
   - Site commissioning, loop checking, graphics development, logic configuration, onsite modification in Deltav DCS v10.3
   - Third party communication through profibus, modbus, etc....

5.0. Saudi Aramco total refining & petrochemical, Jubail, Saudi Arabia
   - Commissioning the all conversion units including, hydrocrackers, fcc, alkylation, gas plant, hydrogenation, etc.
   - Review/redesign of complex loops/logic diagrams/control configuration/compressor performance/ant surge control systems.
   - Conducting group discussions to explain and validate control configuration of complex loops before performing fat. (working with invensys/epc teams at Singapore fat stage)
   - Training of operation engineers/operators on control systems.

6.0. Kar refinery, Kurdistan, Iraq
   - Deltav DCS new project scope at green field project at Erbil refinery (20000 bpsd), Kurdistan, Iraq. Excel automation solutions involved in the following activities:
     - Basic engineering, feed, panel design, database, graphics and control modules configuration as per documents and P&ID’s.
     - Site activities – Modbus & third party system communication, loop checking, site supporting, commissioning support.
     - Safety instrumented systems (SIS) modules commissioned and configuration.
     - Site changes as per customer requirements.
     - System setup and power up. And Maintenance and operation support.
Training:

Excel Automation Solutions is best training firm for the DCS, ESD, SIS, FGS, PLC, SCADA, Field Instrument, Wireless Field Instruments and Process Controls. With the help of our industrial experienced professionals, we are providing Engineering / Consulting / Training in Industrial Control & Automation like Emerson DeltaV DCS, Emerson DeltaV ESD/SIS, Emerson Delta V FGS, Various PLC’S, various SCADA, HMI, VFD, Drives and different field instruments in Chennai.

We provide complete knowledge about different industrial process control system with theoretical and practical sessions. Further, we have developed a comprehensive education environment with state-of-the-art DCS, PLC, ESD/SIS/FGS, SCADA and field instrumentation lab facilities. Our professionals undertake real life case studies and application examples and share their experience and ideas amongst partakers that helps in increasing the knowledge of individuals.

We will teach the students all of the technical documents like P & ID diagrams, cause & effect matrix’s, system Architecture, Input / Output list, Process Control Narrative’s, alarm control narrative’s, smart plant tools, instrument index, instrument calibration information, project life cycle, etc. Every student can learn the Automation, control & instrumentation, DCS, PLC, ESD, SIS, SCADA from the industrial experienced engineers.

Also we will teach the all bus technology like Field-bus, Profibus, Modbus, Ethernet, Networking, operating systems etc., we will show you the Oil & Gas, Petrochemical, power, pharma, mining jobs around the world and we will change your feature
Key People

Venkatesh Selvaraj has more than 10 years in oil and gas industry as DCS Engineer. He has been working on number of projects in Middle East Asia, Africa and Eastern Europe for major player in oil and gas industry such as Emerson, Petrofac, Shell and Fluor etc.

He has degree in Electronics and communication, from prestigious Anna University, Chennai.

Ajith Selvaraj has more than 14 years experience in IT industry specialized infrastructure services. He had worked for large corporate customers including, BFS, Retail, Telecom and insurance in USA, Europe and Asia Pacific. He has successfully executed multiple accounts in service delivery and has immense of experience in project management and program management.

He has graduated in Bachelor of Engineering (I.T) from the prestigious university (CEG, Anna University, Chennai) and has Master of Business Administration.

Sathya Sivagurunathan has more than 17 years experience in industrial automation who had played various technical and management Role, where in his involvement seen in various stage of the project like presales, workshops, planning, execution, managing financials (P&L). He has been assigned with various critical roles across globe like Singapore, Malaysia, Thailand, Japan, Australia and etc. He had been a Director who is responsible for southern region in his last employment.

He has graduated in Bachelor of Engineering (B.E) from the prestigious university (CEG, Anna University, Chennai) and has global credential in project Management (PMP) and Program Management (PgMP) from project management Institute.
Contact us:

**EXCEL Automation Solutions**

No: 2, First Floor, Mailk Street, GST Road, Behind A2B Restaurant, Chrompet, Chennai, India - 600044

E-Mail: Venkatesh@excelautomationsolutions.com
       enquiry@excelautomationsolutions.com

Website: [http://www.excelautomationsolutions.com](http://www.excelautomationsolutions.com)

Telephone: +91 44 4385 7000
Mobile: +91 7299923000, +91 7299772628