



**Automations
India Pvt Ltd**

Manufacturing

Food &
beverages

Metal

Cement

Power

Oil & Gas

Water



***Partners in Control
& Automation***

Overview

CEMA Automations, a subsidiary of CEMA Ltd, has more than 24 years of experience in controls and automation. The top grade system solutions we provide for a variety of industry segments such as Water, Oil & Gas, Power, Cement, Metal, Food and Manufacturing ensures improved efficiency, saved energy and notable plant performance. The end to end unconventional engineering solutions we offer from project concept to commissioning (start-up), service and maintenance include generating functional design specifications, system design and configuration, control philosophy, network and operator interface design, converting process and instrumentation flow charts to HMI screens for operator interface, panel engineering, hardware procurement, console design, cable engineering, scheduling, application software, and documentation.

Differentiating no project as small or large, we focus mainly on delivery of right first time designs, reduced capital and operational costs, consistent high quality, improved safety & reliability, reduced maintenance costs and on time delivery of satisfaction along with your desired product. Operating from UK and India, we have completed more than 1000 successful projects to our credit so far. Always open to the option of scalable resources and skill set in accordance with run time requirements, CEMA acquires the best of it all to deliver cutting-edge solutions. We offer complete satisfaction packages for our customers and just not solutions.

Focus

“Right first time designs, reduced capital and operational costs, consistent high quality, improved safety & reliability, reduced maintenance costs”

Service offerings

Engineering

CEMA's objective has always been to provide precise professional and technical assistance for evaluations, repairs, upgrades, and maintenance of electrical distribution systems. Through our services, we strive to ensure safe and reliable equipment operation for plant and maintenance personnel. In constant touch with new technologies in the market and assessing how they can be used to optimize solutions, we work to improve overall power quality by identifying and correcting system deficiencies.

Readily having the knowledge, experience, and equipment to meet any of your electrical power distribution needs, our service spectrum ranges from manufacturing control panels, MCCs and intelligent MCCs of all sizes and configurations, emergency electrical repairs, testing, and maintenance of new or used electrical distribution equipment, to sub-station start-up services, relay calibration, switchgear and circuit breaker upgrade and rebuilding to any power related studies or issues. With our widespread experience and working knowledge, we practice the science and art of electrical engineering with passion to assure delivery of unaltered expected performance within cost and schedule. Right from conceptualization to completion, the processes and methodologies at CEMA conforms to the life cycle of best engineering solutions. At each stage, we take into account calculated risks, quality of the workable end product and customer expectations



Systems Integration

Integration of existing subsystems adds value to the system as a whole and introduces capabilities that are possible because of interactions between subsystems. In today's connected world, the role of system integration engineers is becoming more important as the systems are designed to connect together, both within the system under construction and in systems that are already deployed. This Integration of Subsystems, leading to the increase in performance of the system as a whole is, is defined at CEMA by the breadth of knowledge in advanced technologies our engineers reflect.



“We manufacture both standard and custom-designed products consummately, built in accordance with the latest industry standards and accomplish new standards to follow and rely upon. Our multifaceted personnel have core competencies and in depth domain knowledge across all industry vertical to engineer solutions that aids organisational growth.”

Adept software and hardware engineering skills, interface protocols and problem solving capabilities are ways of life during integration for our system integration engineers. Critical to the successful operation of any system comprised of multiple and interdependent subsystems and functions, the integration processes we follow are formal, rigorous and result oriented.

CEMA recognises that effective systems integration is about much more than simply bringing component subsystems into a whole and ensuring that they function together. Rather, our services deliver systems which harness all the available data and translate that into a seamless flow of meaningful information to provide a clear window in the process. The variety of technologies we put to use for system integration is on the rise and directly proportional to the success rate of your core competencies. And that's the CEMA advantage.

Our practices

Chiefly accountable as the reasons behind our unparalleled automation services, are the following tools and more we put to use according to your needs and wants.

- PLC Systems
- DCS, SCADA & HMI
- Batch Solutions
- MES & ERP Data Integration
- Safety Systems
- Panel Designing & Modelling
- Instrumentation & Electrical Engineering
- Software Development & QA testing
- Industrial Networks

Industry footprints

Our services, always in high spirits, have reached out in the following industry verticals. Nevertheless, we will always welcome new challenges in any industry you name. The solutions adhere to global process standards to provide easy portability and usage to customers.



Water

Automation solutions for Water treatment plants, Water pumping stations, Sewerage networks, Reservoirs Catchment area, Control & monitoring and complete instrumentation & Electrical solutions, Automated Water Billing Solutions, Energy saving applications, advanced network communication hardware & software, Geographic Information System (GIS), Management & SCADA solutions, RTU or PLC based pump station.



Oil & Gas

On-Shore Gas/ Crude Oil Processing plants, DCS based process control systems, Tank Farm Management Systems, Terminal Automation & Management Systems, Automation solutions for Process and Well head Platforms, Terminals, Emergency Shutdown System (ESD), Fire & Gas Systems, SCADA for Telecom for Oil & Gas Pipelines, PI Systems for Oil & Gas operations in terminals, etc.



Metals

Plant wide Electrical & Instrumentation Solutions, Complete Automation Solutions for Sponge Iron Plants, Pig Casting, Continuous Casting, Hot Rolling Mills, Cold Rolling Mills, Bar & Rod mills, Galvanizing Lines, Blast Furnace Automation, Re-Heating furnace, Blast Furnace Automation, Burner Management Systems, Stand Sizing Mill Automation etc.



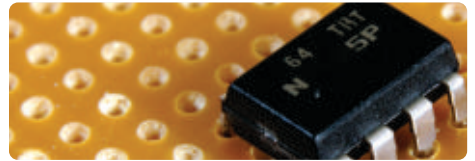
Cement

Integrated Electrical & Instrumentation Solutions including MV/LV Motors, Variable Frequency Drives, DC Drives, Slip Power Recovery Systems (SPRS), QCX and Lab Automation, Plant wide SCADA & Automation system, Web based Plant Information Systems (MIS), Lab Automation & Alarm Systems, Cable Engineering, Air Conditioning and Ventilation Systems, Plant wide Illumination system, Earthing and Lightning protection system etc.



Power

Power Generation, Transmission & Distribution, DCS based main plant control, Automation of Coal Handling Plant (CHP) and Electricals and Automation for Balance of Plant (BOP), Energy Saving Applications, Boiler and Turbine Control Systems, SCADA for transmission, Energy Management Solutions for transmission, Substation Automation, Automatic Meter Reading (AMR) and Automatic Meter Management systems, Distribution Management Systems (DMS), Electrical Control System (ECS) for substations, and ABT metering for utility, etc.



Manufacturing Industries

Complete DCS/PLC based automation solutions for manufacturing industries, Emergency Shut Down systems, Turnkey Electrical & Instruments, Extensive range of VFDs, DC Drives and Energy Management Systems & Solutions, HVACs, Tools & Gears for OEMS & Manufacturing Industries, Wide range of Packaging & Finishing Machines, Crane Control Solutions, Machines, SCADA systems for HMI, MES encompassing PI systems.

State-of-the-art automation solutions are easily obtainable, but, not always workable. We are committed to delivering workable turnkey solutions to you, on time and under budget. Reach us at

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