

Powering Industrial Safety Through Intelligent Automation





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A photograph of an industrial facility, likely a refinery or chemical plant, at sunset. The sky is a mix of orange, pink, and blue. In the foreground, there are large storage tanks and complex piping. In the background, a tall distillation column stands prominently. The entire scene is illuminated by the warm light of the setting sun.

About us

Nexgen Automation Systems Pvt Ltd is a Pune-based value-added partner for Safety and industrial automation solutions serving hazardous and mission-critical industrial environments. We work closely with end-users, EPCs, and system integrators to deliver compliant, reliable and scalable safety systems that protect human life, critical assets, and plant operations.

With strong engineering capabilities and partnerships with globally recognized safety technology leaders, NexGen Automation provides end-to-end support- from safety concept and system design to engineering, commissioning, and lifecycle services- ensuring long-term value and regulatory compliance for our customers.



Our Vision

We aim to be the trusted and preferred engineering solutions partner, delivering innovative, reliable and globally compliant electrical, automation and safety solutions to industries worldwide.

Our Mission

To create sustainable value for our customers through engineering excellence, quality products and solutions, responsive service, and strong global partnerships.

Our Core Values



Compliance & Integrity



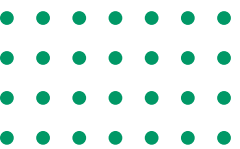
Customer Focus & Service



Environment Health & Safety



Technology & Innovation



Our Executives



Puneet Garg
Director & CEO



Raghwan Vaidya
Director



Vinit Pansare
Director



Vikas Garg
Director



**Selvam
Arumainayagam**
Director



Our Team

Pune Office



Ravindra Joshi
Sales Head



Rajendra Khamkar
Operations Head



Akshay Jhavar
Finance Head



Tejashri Jadhav
Account Executive



Prajakta Pawar
Inside Sales
Executive



Rutuja Radkar
Lead-Digital
Marketing

Chennai Office



**Bhubanananda
Sahoo**
Proposal Manager



Arun Ramasamy
Technical Head



Aashish Kumar M
Project Sales Head



Business Model

EPC Division

We provide end-to-end EPC supply consolidation services, managing projects from concept and design to procurement, installation, and commissioning. Our integrated approach ensures seamless execution, cost efficiency, and timely delivery while meeting the highest quality and safety standards.

Engineer-to-Order (ETO)

We deliver custom-engineered automation, electrical and safety solutions tailored to specific customer and project requirements. From engineering and design to procurement, integration and commissioning, we provide end-to-end solutions focused on reliability, compliance and application-specific performance.

Distribution Business

We as a value-added supplier, partnered with leading manufacturers of comprehensive range of safety automation products designed to enhance operational safety and reliability in industrial environments. Our offerings include high-quality components and solutions that help industries comply with safety standards while ensuring efficient and uninterrupted operations.

Functional Safety Solutions

We provide Functional Safety Solutions designed to identify and mitigate risks in safety-critical industrial processes. Our solutions cover Safety Instrumented Systems (SIS), Safety PLCs, Emergency Shutdown (ESD), and safety lifecycle engineering. We support clients through design, implementation, validation, commissioning, and lifecycle management, ensuring reliable and compliant safety systems.

Hazardous Area Products and Solutions



Harsh and Hazardous Area Lighting

Light Sources :

LED, HID, Fluorescent and Incandescent

- Lighting fixtures designed and certified in accordance with IECEx / ATEX / NEC (Class I Div 1 & Div 2 / Zone 1 & Zone 2), UL and NEMA standards for hazardous and safe area applications."
- Types of Lights: Linear, Flood Lights, High Bay / Low Bay Lights, Bulkhead / Well Glass / Round Lights, Emergency Lighting (Battery Backup / Central System), Portable / Hand Lamps, Exit Signs / Signalling Lights, Street / Area Lighting (Pole Mounted), Recessed / Panel Lights (Safe Area)



Enclosures, Cables and Conduit Solutions

Certified junction boxes and accessories designed to IECEx, ATEX, NEC, IEC, UL, and CSA standards, offering IP66 / NEMA 4X protection for hazardous and industrial environments. Available in Explosionproof (Exd), Increased Safety (Ex e), and industrial variants, with durable materials like stainless steel, GRP, and aluminium. Includes high-performance cable glands for armoured/unarmoured cables (including barrier types) with IP66/IP68 protection. Complete conduit and accessory range (rigid and flexible) suitable for both hazardous (Zone 1/2, Class I Div 1/2) and safe area applications.



Hazardous area Control Stations, Panels and Ex Components

Control stations and Panels comprising copper-free aluminium, stainless steel or GRP enclosures with push buttons, selector switches, contact blocks and terminal assemblies, Breakers, complete with nickel plated brass / stainless steel cable glands, designed for IECEx / ATEX / NEC compliant hazardous area applications. Compliant with IEC 60079 series and UL standards, providing IP66 / NEMA 4X protection

Hazardous Area Products and Solutions



Hazardous Area and Line Safety Communications

PA/GA- Public address general alarm systems / command and control centres / Fire detection and alarms / visual and audible signalling devices / CCTV systems / VOIP and analogue phones.

Hazardous area alarm devices including sounders, beacons and combined units, along with explosion proof and intrinsically safe telephones, manufactured in copper-free aluminium, stainless steel or GRP, designed and certified in accordance with IECEx / ATEX / NEC (Class I Div 1 & Div 2 / Zone 1 & Zone 2), compliant with IEC 60079 series, providing IP66 / NEMA 4X protection.



Cable Ladder Systems Grating and Mechanical Solutions

Aluminium, stainless steel, galvanised steel / strut systems, fittings and accessories / NEMA /ANSI and IEC ratings.

Cable ladder systems, industrial grating and mechanical support solutions manufactured in galvanized steel, stainless steel, aluminium or FRP, designed and tested in accordance with IEC, NEMA, ASTM, BS EN and applicable UL / CSA standards, ensuring robust structural performance, corrosion resistance and safe installation for cable management and industrial infrastructure in oil & gas, power and process industries.



Process Control and Instrumentation

Intrinsically safe / surge protection / process alarm equipment / HMI and visualization / Fieldbus / Gas Analysis.

Designed and certified in accordance with IECEx / ATEX / NEC (Class I Division 1 & 2 / Zone 0, 1 & 2), compliant with IEC, UL / CSA and relevant international standards, ensuring safe, reliable and efficient operation in hazardous and industrial environments.

Dräger Gas Detection Solutions



Fixed Gas Detectors

In an industrial facility, hazardous substances are part of the daily routine. Dräger's comprehensive range of fixed gas detectors and controllers includes a broad spectrum of Dräger sensors for measuring toxic and flammable gases and vapours as well as oxygen.

Visit Website:

https://www.draeger.com/en_in/Safety/Fixed-Gas-Detectors



Portable Gas Detectors

Installed permanently in hazardous areas/ When it comes to reliable gas detection, you can trust on portable gas detectors from Dräger. We have more than 70 years' experience in this technology and offer a full range from reliable gas detectors, stations for calibration and bump testing, as well as software solutions, helpful system components, and accessories.

Visit Website:

https://www.draeger.com/en_in/Safety/Portable-Gas-Detectors

Safety Solutions

HIMA stands for Safety and Security made in Germany. So that you can rely on your systems, we contribute all our know-how acquired over decades: as a leading, independent expert for safety solutions in safety-critical applications

The Safety Platform



HIMax[®] SIL3

**Flexible Safety for
Maximum
Profitability**

Powerful, Uninterrupted
Safety Control



HIMatrix[®] SIL3

**Uniquely Fast,
Uniquely Flexible**

The Compact Safety
Solution



HIQuad[®] X SIL3

**The Flexible,
Scalable Safety
Controller**

New Dimension of
Performance for Your
Safety System



Planar 4 SIL4

**Where Ultimate
Safety Counts**

The SIL 4 Controller for
the Highest Level of
Security

HIMA Safety Applications

Tailored Applications: Maximum Safety & Efficiency



Your advantages with HIMA

- Demonstrably higher efficiency, profitability and competitiveness for your company
- The best advice in the areas of functional safety and OT security
- Safety to protect people, the environment and facilities
- Security that pays off economically in the operation of your facilities



Power Drive Products & Projects

Power Drive Metals and Control Systems (PDMCS) is a leading electrical equipment manufacturing company headquartered in Chennai. The company specializes in delivering advanced power distribution and control solutions for industrial, infrastructure, and energy sectors. Core Expertise UL 891 Switchboards, UL 67 Panelboards, UL 508A Industrial Control Panels, Motor Control Centers (MCC / IMCC), Medium Voltage (MV) Switchgear – IEEE C37.20.2 compliant



All type Tested Panels under single roof solutions

- LV Panel –IEC 61439/60439
- UL891 Switchboards(Listed)
- UL845 MCC Panel (FE)
- UL67 Panelboards (FE)
- UL508A Control Panel (Listed)
- PLC/Automation Panels
- 5KV to 34KV VCB Panel
- Unit Sub station@4000KVA
- E House with Automation Control and Relay Panel 765 KV
- NGR from 6.6KV to 33KV
- Diversified Rich Expertise
- Integrated Approach
- Dedicated Facility
- Lean Culture
- 360 Degree Product Analysis
- Strategic Sourcing Capabilities
- Overall Competitive Solutions

Power Drive - Projects Executed

45000 Sqft-State of art of
engineered Layout /Operations

In-house Design, Manufacturing and
Testing Capabilities- One Roof Solutions

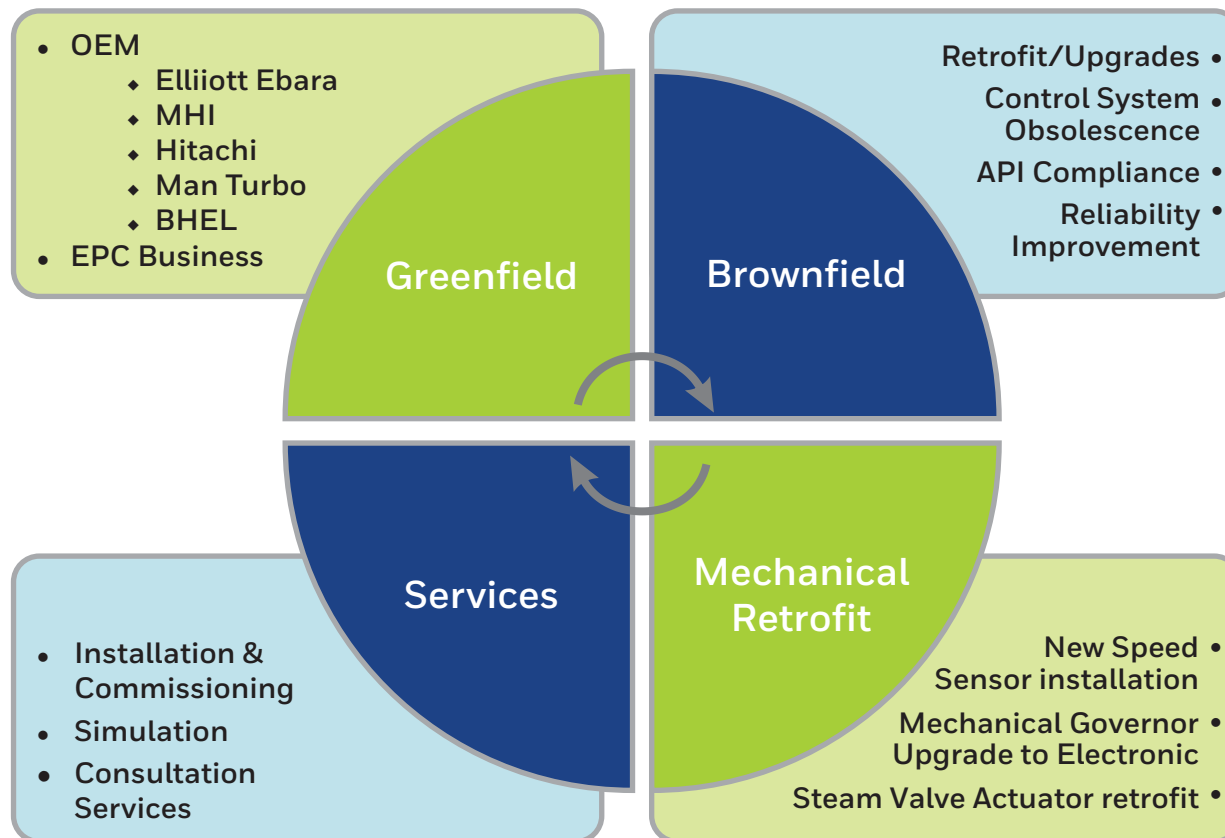
Strategic Sourcing Capabilities Cost
(alternate source, RTC, nego, e-auction)



Tri-sen – Turbo-machinery Control Systems



Tri-Sen Business Segments



TMC Application Expertise

Steam Turbine

- Electronic Governor
- Steam Extraction Control
- Overspeed Protection
- Start-up Shutdown Sequencing
- Turbine Protection

Gas Turbine

- Exhaust Temperature Control
- Overspeed Protection
- Start-up/Shutdown Sequencing
- Turbine Protection

Compressor

- Anti-Surge Control
- Performance Control
- Performance Control
- Performance Decoupling
- Compressor Loadsharing

Generator

- AVR Control
- MW Load Control
- MVAR Control
- Generator Synchronizing
- Generator Load Sharing

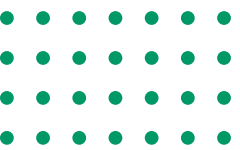


Our Partners



Our Customers





Our Target Industry



Oil & Gas



Pharma
Industry



Refinery



Specialty
Chemicals



Petrochemicals
& Fertilizers



Paints/Coating
& Polymer
Industry



Automation Systems Private Limited

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