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Chairman & Managing Director
Accurate Industrial Controls Pvt Ltd.

How is Accurate Industrial Controls supporting Atmanirbhar Bharat by developing indigenous technologies for critical defense and industrial applications?

We champion Atmanirbhar Bharat by leveraging deep engineering, proprietary IP, and domestic manufacturing to develop and sustain critical technologies in-house. Backed by a dedicated R&D team - PhD Holders, MTech from IITs and reputed institutions, allocates 1/3rd of our salary bills towards R&D consistently for last decade, 18 import substitutes, Indian and US patents, spread across 9 facilities, powered by 1,200+ champions.

Our Auxiliary Power Unit for T-72 and T-90 tanks, developed under the Ministry of Defence's Make-II framework, reflects a part of this journey. Engineered and validated in India, including an in-house developed alternator, the programme has progressed through rigorous trials to full-scale induction among many others.



Our other successful Defence Projects for MoD include Mechanical Minefield Marking Equipment, Mine Trawls and Ploughs, Akashteer Power Systems (deployed during Op Sindoor), Light Armoured Multi Purpose Vehicles.

Under iDEX for the Indian Navy, we developed our indigenous ISACA marine autonomy platform powered by our proprietary Drishtipatha™ situational-awareness and collision-avoidance stack, achieving Indian Register of Shipping certification and clearing the Indian Navy's Single Stage Composite Trials.

Telematics, Intelligent Transport System - 1.2 Mn IoT Telematics Systems to Tata Motors as single source

Industrial Refrigerators - JV with a UK based firm for last 16+ years, in-house manufacturing of refrigerators drawers.

Consistently exporting to US, UK, Australia, EU, ASEAN

How is Accurate Industrial Controls using AI-based predictive monitoring to improve the reliability of critical defense assets?

Our MIL-grade DG sets provide critical power for defence systems including field radars, launchers and other mission-critical equipment.

Our NeuroGen™ Digital Twin continuously monitors DG-set

operating parameters to detect anomalies and degradation trends. AI-based models provide early warnings and estimate Remaining Useful Life (RUL) of critical subsystems. NeuroGen also enables rapid simulations to assess how changing operating conditions could affect equipment health and RUL.

What has helped Accurate Industrial Controls build a sustainable presence in international markets?

Regular exporters since last 16 years, 30% of revenues from direct exports to the US, UK, Europe, Australia, Gulf, ASEAN, etc. - positioning ourselves as a full-lifecycle manufacturing partner:

- Adhering to quality benchmarks, holding AS9001:2016 (Aerospace), NADCAP, UL, CE marking, RoHS, IATF, ISO 9001:2015, ISO 27001:2022, and CMMI Level 3 qualifications.
- Direct supplier of fluid distribution systems to global leaders including Boeing, Eaton, and Parker.
- Our 16+ years UK joint venture manufactures patented refrigeration systems in Pune with ~85% indigenization while safeguarding partner IP.
- Operating subsidiaries in the US and Europe, alongside our lean manufacturing hubs in Pune deliver continuous execution, quality discipline, and lasting trust. ■