

E&A Backgrounder

L&T Electrical & Automation (E&A) is a major business portfolio of USD 15 billion Larsen & Toubro (L&T), an Indian multinational engaged in technology, engineering, construction, manufacturing and financial services. It operates in over 30 countries worldwide. A strong, customer-focused approach and the constant quest for top-class quality have enabled L&T to attain and sustain leadership in its major lines of business for over seven decades.

The E&A business comprises two Strategic Business Groups (SBGs) - Products SBG and Projects SBG and offers a wide range of low and medium voltage switchgear, electrical systems, marine switchgear, industrial and building automation solutions, energy management systems and metering solutions. Its products and solutions cater to a variety of segments like industries, utilities, infrastructure, building and agriculture.

Its manufacturing facilities are located at Navi Mumbai (Mahape & Rabale), Ahmednagar, Vadodara, Coimbatore and Mysore in India as well as in Saudi Arabia, UAE (Jebel Ali, Dubai), Kuwait, Malaysia, Indonesia and the UK.

Business Units under Products SBG

- **Electrical Standard Products**

This business unit is India's largest manufacturer of low voltage switchgear and controlgear components. The full range of offerings includes products and automation solutions for Industrial, Utility, Building and Home segments.

Currently, around 750 channel partners in major cities and towns distribute the Switchgear products across the country. Besides, there are approximately 120 approved service centres.

- **Metering & Protection Systems**

This unit manufactures a comprehensive range of high quality electrical energy meters and protective relays for Utilities, Industries, Commercial establishments and domestic consumers. The meter range includes programmable trivector meters, single phase and three phase meters as well as intelligent meter panels.

Business Units under Projects SBG

- **Electrical Systems & Equipment**

This business unit manufactures low and medium voltage switchboards and control panels. It is the market leader in low voltage switchboards and the largest supplier of switchboard panels in India. This business unit undertakes turnkey contracts for comprehensive system engineering, supply, installation, testing and commissioning of switchboards and allied equipment including retrofitting.

- **Control & Automation**

This business unit offers integrated electrical & automation solutions to diverse industry segments like oil & gas, water, minerals & metals, power, solar and infrastructure. Backed by an experienced team of domain experts, it provides a gamut of solutions covering control and monitoring, system design, robust application engineering, intelligent software development, commissioning and life cycle services to its clients in India and overseas. Its biggest strength is its ability to integrate varied components from field devices to the management dashboard comprising instrumentation, electricals, drives, inverters, automation, SCADA, telecom and engineered IT solutions tailor made to customer needs.

S&A Companies

- **Tamco Switchgear (Malaysia) Sdn Bhd**
Tamco is an established manufacturer of medium voltage switchgear. Together with its direct subsidiary in Indonesia, Tamco's international market spans throughout the Middle East, Europe, Africa, North & South Asia, Australia and New Zealand.
- **L&T Electrical & Automation Saudi Arabia Company Limited (LTEASA)**
Located at Dammam - Saudi Arabia, it is a wholly owned subsidiary of Larsen & Toubro. The ISO 9001:2008 certified facility offers to the gulf market a spectrum of products and services comprising Air Insulated Switchgear(AIS), Gas Insulated Switchgear(GIS), Ring Main Units, LV Switchgear and Motor Control Center (MCC) - Fixed / Drawout, Pre-Fabricated / Packaged Sub-stations, VFD panels and automation systems, Allied equipment such as Transformers, Busducts, DC/UPS, Power Quality Management Systems, erection, testing, commissioning and retrofitting services and maintenance contracts.
- **L&T Electrical & Automation FZE (LTEAFZE)**
Located at Jebel Ali Free Zone - Dubai, UAE, it is a 100% subsidiary of L&T International FZE. It provides turnkey engineering, assembly, integration of electrical, instrumentation and telecommunication solutions. It taps customers in the Middle East & Africa region.
- **Kana Controls General Trading & Contracting Co**
Headquartered at Kuwait, Kana Controls was acquired by LTEAFZE in September 2013. With a strong domain backup from L&T, it now brings customers the benefit of L&T's domain expertise in the design, engineering, manufacturing, software development, staging and conducting integrated Factory Acceptance Testing, installation, commissioning, rendering training and after sales support based on various global OEM products and technologies.
- **Henikwon Corporation**
Tamco acquired Henikwon Corporation, a leading Malaysia-based busduct systems manufacturer to strengthen E&A's offerings in building and infra segments.
- **Thalest Limited**
L&T acquired the UK-based holding company of Servowatch Systems Limited, Bond Instrumentation & Process Control Limited and Servowatch Inc, (USA) that offers technology in control & automation space for marine applications as well as other emerging segments.

E&A's major strength is its in-house Switchgear Design and Development Centre (SDDC) and well-equipped Engineered Tooling Solutions (ETS) that design and manufacture a wide range of high precision tools, a pre-requisite for high quality products. Additionally, its Switchgear Training Centres (STCs) at Pune, Lucknow, Coonoor, Vadodara, Delhi and Kolkata promote good electrical practices in the industry by conducting courses for technicians, customers, engineers, professionals and even students for enhancing their knowledge and skill on switchgear products.