

*minilec*<sup>®</sup>



Powerful  
Senses  
to  
Avoid  
Mishaps



RoHS



When we promise, **we deliver.**

**We change** with the changing markets;  
we bring in changes that change the markets.

**We respond** to customer feedback.



No wonder our customers remain in a permanent state of **pleasant surprise!**

## We are Minilec

Starting operations in 1965 as a manufacturer of single phasing preventors (phase failure relays), Minilec is today a leading group involved in 100% indigenous production, marketing and export of reliable industrial electronic products for protection, control and monitoring.

Our insistence on quality has resulted in customer insistence for our products. Our continuous effort to introduce new features to enhance product performance, adapt new technology to bring in greater sophistication and evolve new products in anticipation of market needs gives our customers many reasons to remain in a permanent state of pleasant surprise!

Market leader in India for protection relays, monitoring relays and alarm annunciators!

World's only company manufacturing a very wide range of products in diverse Protection, Control & Monitoring areas !

**minilec**<sup>®</sup>

Expanding rapidly by spreading our wings globally and continuously introducing new product categories!

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# THE MINILEC GROUP

## ORGANISATION

The Minilec Group is a progress-oriented organisation incorporating five group companies. Group companies work on niche areas to ensure an 'activity focus'. The group is very well-knit and works together keeping the larger picture in sight.

**Minilec (India) Pvt. Ltd.** – A world-class manufacturer and exporter of microprocessor-based alarm annunciators, pre-programmed logic controllers, diesel level controllers, motor/pump protection relays, thermistor-based winding protection relays etc.

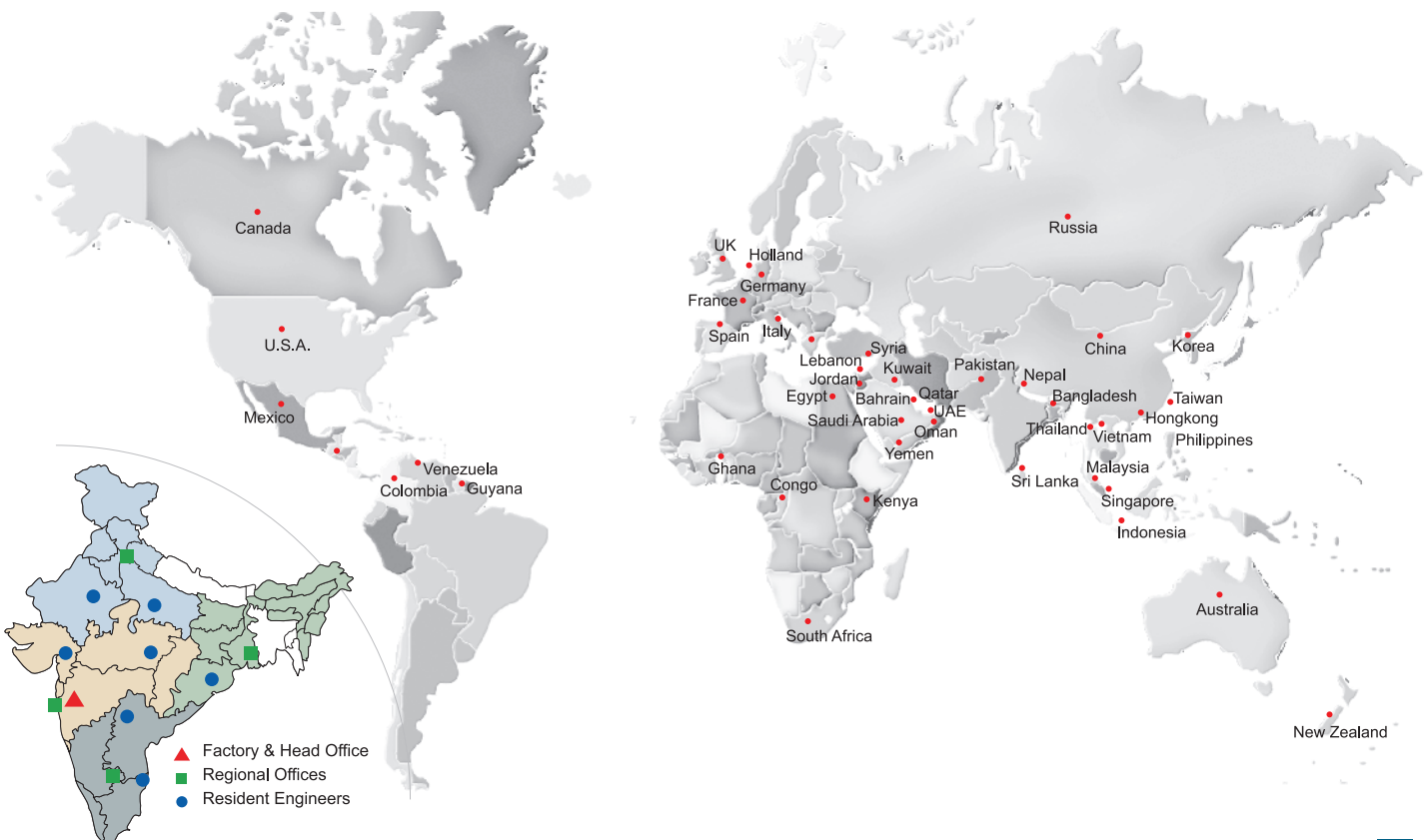
**Minilec Protective Relays Pvt. Ltd.** – Manufacturer of a variety of protection relays

**Minilec Singapore Pte. Ltd.** – The S-E Asia marketing wing

**Shalaka Electronics Pvt. Ltd.** – For export of Minilec products

## 1 NETWORK & CUSTOMER SUPPORT

Minilec has a strong sales and service network in the country which, along with an extensive dealer network, ensures reliable and prompt after-sales service. We also have a wide base internationally.



# SHAPING THE MARKET

Minilec's bench-mark developments have shaped the markets since 1965. For instance, in the year 2002, responding to customer feedback, we introduced multiple options in enclosures of relays, ( in addition to the existing D1-D2 ), P1-P2, S1-S2 and F3 enclosures. This product enhancement gave our customers the much needed flexibility in terms of size and started a trend. Another interesting product development came anticipating a market need, the MBAS 9400 with front replaceable windows, which gave us the edge to win a major tender from Indonesian Electricity Authority against American and Japanese competitors in 1994. This updation in MBAS 9400 has also ensured a continuous flow of orders from the Malaysian Electricity Authority since 1994.

## BENCHMARK DEVELOPMENTS 1965-2019

**1965:**

**First** to design and manufacture **single phasing preventors in India** and fulfill an emerging market requirement innovatively.

**1982:**

**First to launch micro-processor based alarm annunciator.**

(Redesigned as Microwarn 9000 in 1990), this was, and remains the most beautiful alarm annunciator attracting customers across the globe.

**1984:**

**First to introduce super bright LEDs for fascia of alarm annunciators.**

**1987:**

**First to launch prodless dry run protection device pump guard.** This innovation alone, won us several new customers globally.

**1994:**

**First company in our segment to get ISO 9001.**

**1997:**

**First company to introduce RS232 communication port to alarm annunciators.**

**2000:**

**Millennium Series (P1 & P2 enclosures)** products launched

**2005:**

**MBAS 9700 expanded up to 128 channels.**

**2006:**

**Microcontroller based relays** replacing existing relays (D1 & D2 series) introduced.

**2007:**

**S2 (Sleek) Series products with microcontroller & SMD technology** launched.

This technology has the powerful advantage of added intelligence. State of art SMD technology & microprocessor based design gives higher reliability, multi purpose functionality, reduced size & more values, indigenously developed soft starter & VFD.

**2014:**

**Manufacturing of printed Circuit Board (PCB) & Solar Invertor.**

**2018-19:**

**Innovative, Sleek and Upgraded new products with latest technology are poised to change the face of the emerging market in India and abroad.**





# PROGRESS

Every small change or a big expansion that serves the customer better is progress. To us at Minilec, one more pleasant surprise for our customers is progress.

This progress is evident in every area, be it figures of turnover and exports or developments in infrastructure, products and R&D.

## INFRASTRUCTURE

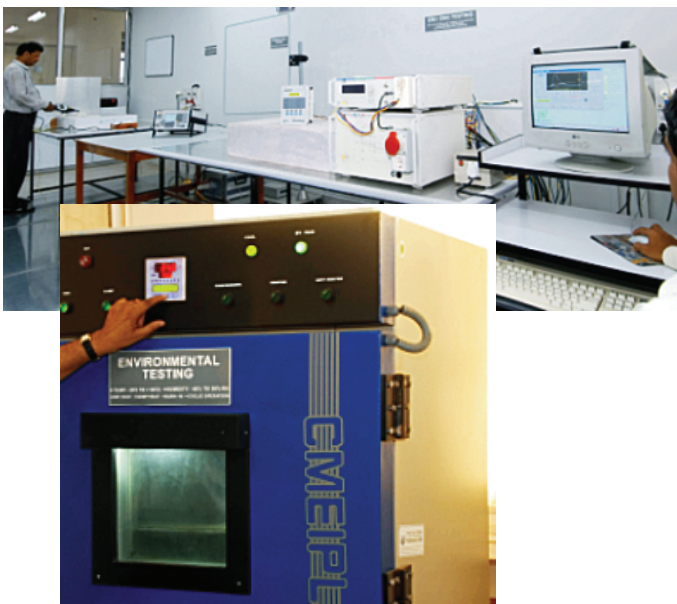
### 40,000 sq.ft Premises

located in clean, green and environment friendly location at Pirangoot Industrial Estate near Pune, includes 10,000 sq.ft of recent addition.

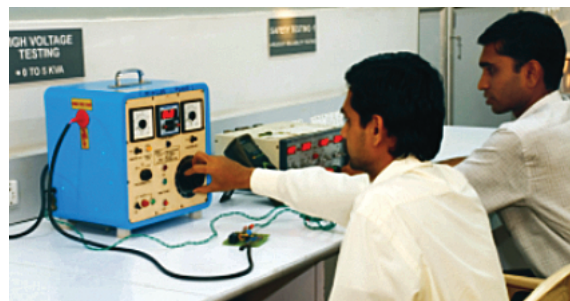
### 200+ Employees

Highly qualified engineers, R&D experts, quality control technicians and administrative staff; all very well-trained to ensure high quality results.

#### Sophisticated R&D laboratory



#### Well-calibrated testing equipments



#### Manufacturing facility to cater ever-growing customer demands



#### Innovative designs are made here.



# 4 QUALITY FOCUS

## QUALITY SYSTEMS

Stringent quality checks by carefully selected vendors, extensive inward inspection and proven production processes continuously improve product quality at Minilec. Minilec's Quality Systems are verified by **BVQI** to be as per **ISO 9001-2015** requirement of international quality standards.

The products are also thoroughly type tested at reputed test houses in India, Singapore, Malaysia and Russia as per the IEC standards.



IEC Standards Compatible

- 1) IEC 61000
- 2) IEC 60255

IP Protection

- 1) For Relays
  - a) IP 20- For Terminals
  - b) IP 40- For enclosure
- 2) For Annunciator
  - a) IP 40- For front

## ACCREDITATIONS

The Models of phase failure relays and alarm annunciators carry **CE** mark, **CSA** Certification, **RoHS** and **ABS**



All Minilec alarm annunciators carry a 5 years' warranty.

*'Timely supply of reliable products with innovative features for customer satisfaction.'*

– Quality Policy of Minilec





# PRODUCTS

## WIDEST RANGE

Minilec is the only company in the world offering the widest range of products in all three product segments viz. protection, control and monitoring.

Our products cater to every agro. and industrial segment and provide for the needs of small scale industries as well as corporate giants like Siemens and Reliance.

## PRODUCT CATEGORIES

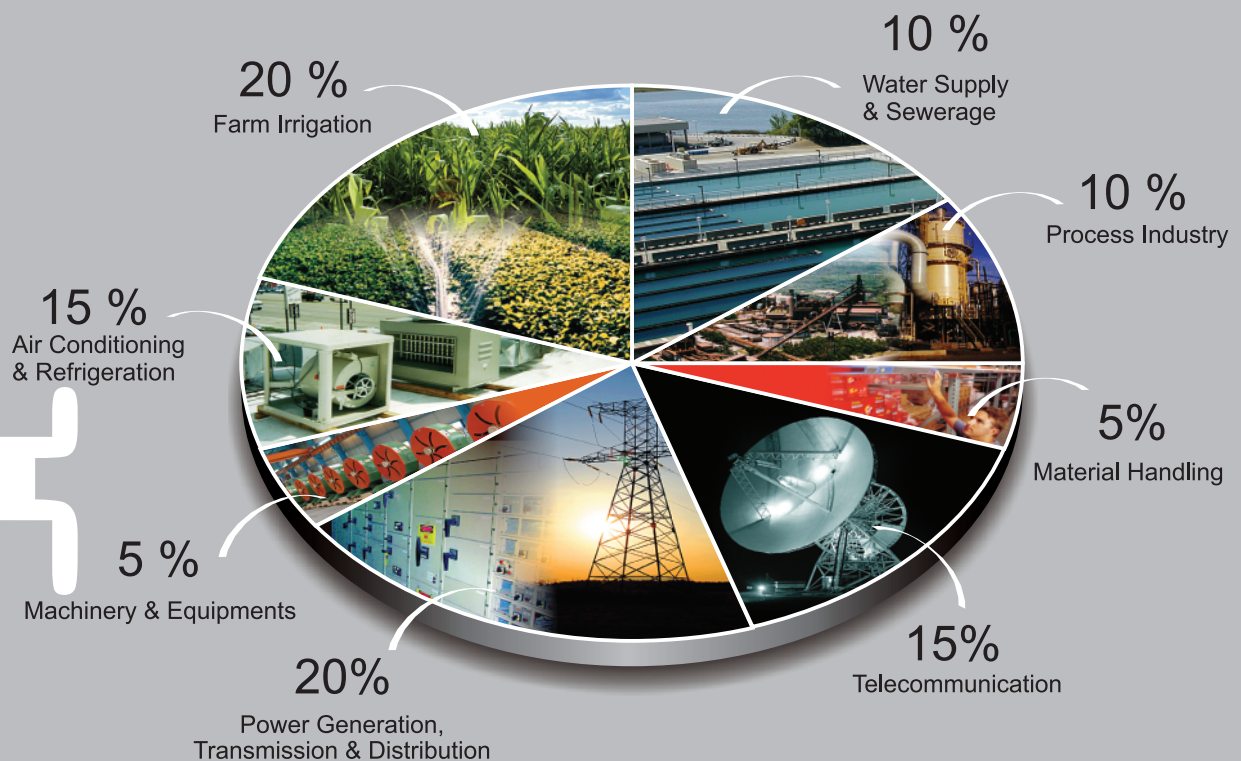
- ▶ Phase Failure Relays
- ▶ Voltage / Current / Frequency / Reverse Power Monitoring Relays
- ▶ Motor/Pump Protection Relays
- ▶ Level Controllers
- ▶ Timers
- ▶ Alarm Annunciators
- ▶ Power Line Transducers & Multifunction Meter
- ▶ Pump Automation Products

## TREND-SETTING DESIGNS

Our product designs today set the trends for the markets in India. Minilec's quality is a standard that even competitors aspire for. Our products are approved by leading industrial project consultants. Growing demand for our products world-wide is a proof of customer acceptance for our products globally. Our products are rated as 'being the best' on the three criteria of Quality, Product Features and Delivery Schedules.

## SECTOR DIVERSIFICATION

Omnipresence of our products across agro and industrial sectors.

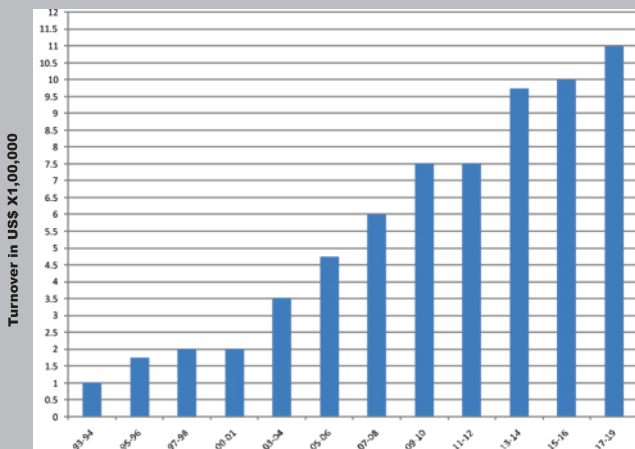
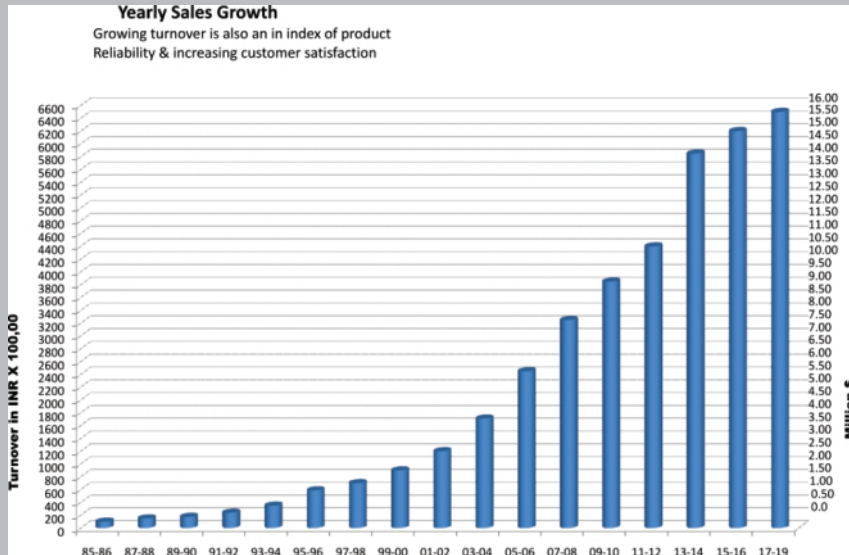


## THOROUGH APPROACH TO PRODUCT RELATED EDUCATION

We update our customers & dealers about our latest product range and breakthrough technology through various seminars, training sessions and regular product literature . This ensures optimum utilization of the latest features and technology used in products.

## UNDETERRED GROWTH

Turnover has shown a steady increase. Even in times of market lows, Minilec has never found it difficult to keep a growing turnover trend.



## EXPORTS :

Exports rose steadily in the initial years, and are now showing a rapid growth fueled by a very encouraging reception of our products globally. Minilec has traditionally exported to **S.E. Asia, Europe and the Middle-East.**

Exports to **North and South America** are now increasing substantially.

# CUSTOMERS

Minilec's customers span a wide spectrum of segments and scale.

Repeat orders from customers for decades is a very big confirmation of customer delight with our products.

