

Concentrating on what we do best.....

.....Industrial Power Electronics

HI-REL
Powering Growth

Charter:

Create an organization to offer Reliable and Cost effective Power Conversion Products and Solutions and to achieve self reliance in our endeavors

Activities:

Design, Develop, Manufacture, Test and provide field support for Power Conversion Products

Product Basket

On-Line UPS Systems

Railway Products

Solar Products

**Variable Frequency
Drives**

Certifications

**The first UPS manufacturer in the country to be awarded ISO 9001 in
October 1994**

Today we are ISO 9001: 2008 certified

UPS Systems certified for conformance to IEC & CE Standards

Infrastructure

Unit - I



R&D Centre



Production Shop Floor

Unit - II



UPS Systems Mfg



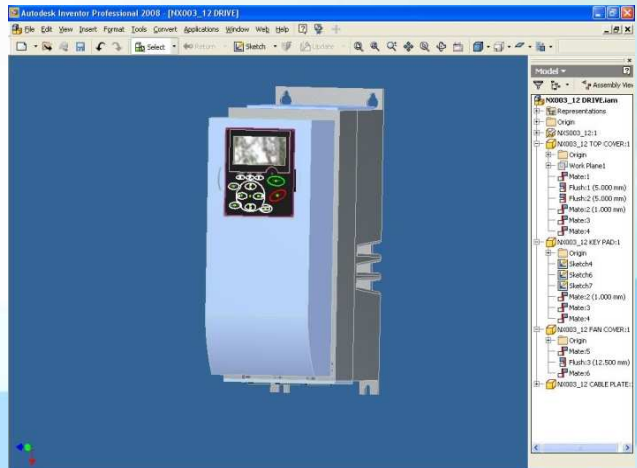
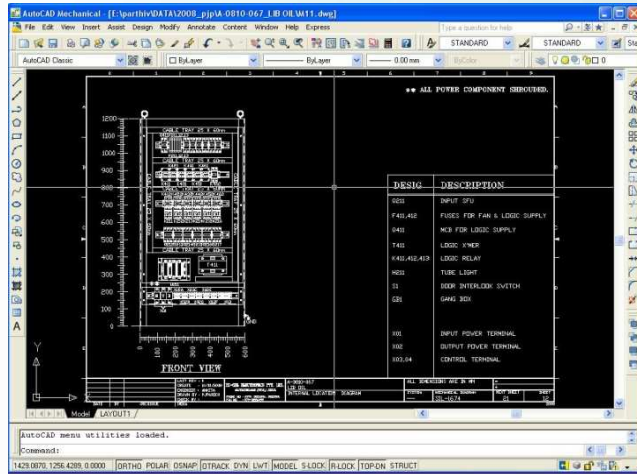
QC & Testing



Magnetics Mfg.

**Total built up area of more than 36,000 Sq. ft.
for R&D, Manufacturing, QC & Testing**

Precise Engineering

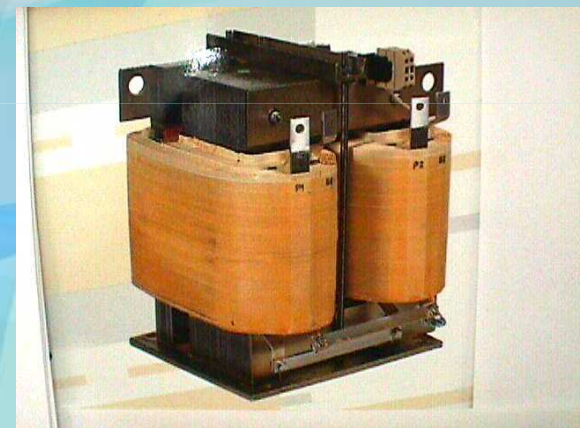


- Inventor software for Real Time 3D modeling
 - To generate cable harnessing drawings
 - To generate fabrication drawings
- Autocad Electrical for
 - Schematic electrical wiring drawings – with auto ferruling
 - Auto generation of BOM components
 - Component library to generate auto footprints
 - Functionality of PLC Logic library

Manufacturing



Dust free shop floors for Drives and Automation Systems as well as UPS manufacturing.



In-house manufacturing of magnetics

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State-of-the Art Testing Facilities



Burn-in Chamber



Heat Run Test



Test Consoles



Load Banks



160 KVA System under Testing



Overview of Load Banks



Highly sophisticated test benches...

- 5 Test benches configured to auto-load through PC – for UPS testing
- Each test bench with capacity of 200 kVA 1 Φ and 500 kVA 3 Φ
- 5 test benches configured to auto-load through PC for UPS, UMPS & Railway inverters
- Each test bench with capacity of 25 kVA 1 Φ and 30 kVA 3 Φ
- Integrated for switching on / switching off, load and voltage variation through PC
- 7 channel temperature profile to check temperature rise on transformers, heat-sinks and chokes
- Inductive loads up to 0.8 power factor possible



Additional 12 Test Benches to be commissioned shortly

Alliances & Partnerships



HITACHI
Inspire the Next

Hitachi Ltd. – Japan:

Alliance Partner in India for Sales and After Sales support

- **Medium Voltage Variable Frequency Drives**



Hitec Power Protection – Netherlands:

Authorized Business Partner in India for Sales and After Sales support

- **Diesel Rotary UPS (DRUPS)**
- **Ride Through (RT)**

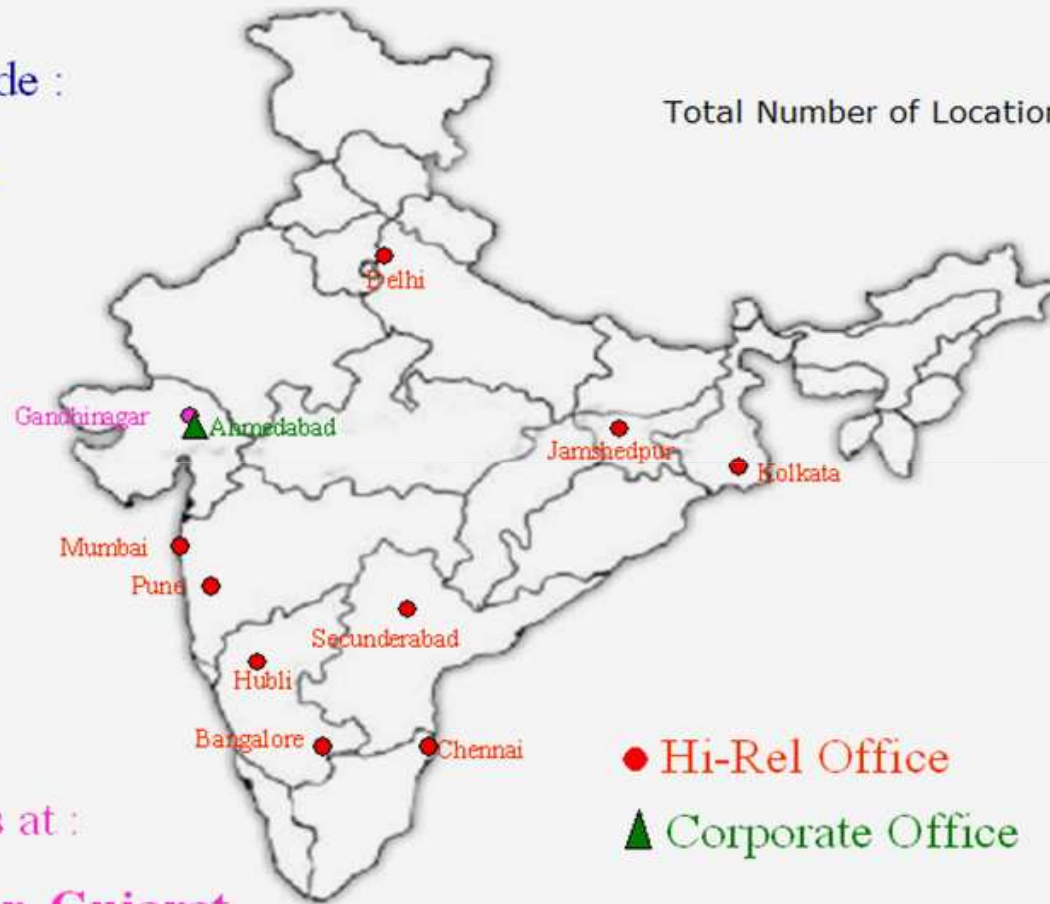


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Sales Network

: Countrywide :
Presence

Total Number of Locations: 10

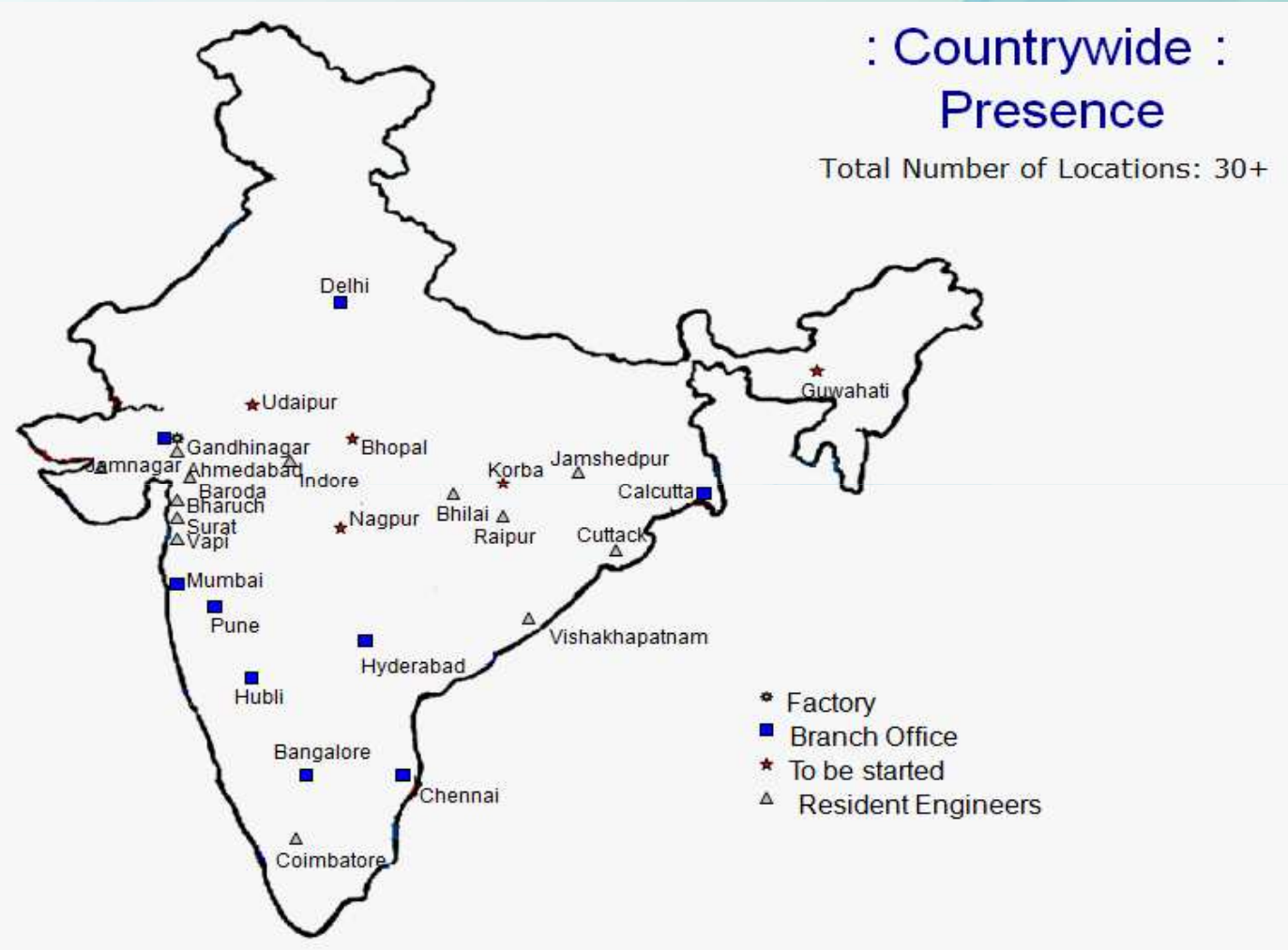


HO & Works at :
Gandhinagar, Gujarat

After Sales Network

: **Countrywide** :
Presence

Total Number of Locations: 30+



Customers – Power Segment

TATA CONSULTING ENGINEERS LIMITED



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Customers – Metals & Mining Segment



M. N. DASTUR & COMPANY (P) LTD
Consulting Engineers

An ISO 9001:2008 certified organisation



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Customers – Oil & Gas Segment

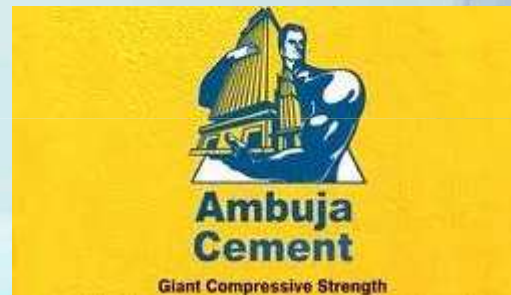


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Customers – Cement Segment



JE JACOBS



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Customers – Others



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Contact Us

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