

## Shirish Deshpande

Qualifications:
<b>Bachelor of Chemical Engineering</b> - University of Mumbai
Certification:
<b>Certified Charrette Conductor</b> - Bureau of Energy Efficiency ( <b>BEE</b> ), Ministry of Energy, Gol <b>ECBC Master Trainer</b> - Bureau of Energy Efficiency ( <b>BEE</b> ), Ministry of Energy, Gol <b>GRIHA Evaluator and Trainer</b> - The National Green Habitat Rating system, India <b>LEED-Accredited Professional (LEED-AP)</b> -Green Building Certification Institute, USA <b>Certified Energy Auditor</b> - Bureau of Energy Efficiency ( <b>BEE</b> ), Ministry of Energy, Gol
Total professional experience
More than 25 years
Nationality
Indian
Membership in Professional Societies
<ul style="list-style-type: none"> <li>○ Association of Energy Engineers (<b>AEE</b>)</li> <li>○ Indian Green Building Council (<b>IGBC</b>)</li> <li>○ Indian Society of Heating Refrigeration and Air-conditioning Engineers (<b>ISHRAE</b>)</li> </ul>
Key International Clients
The World Bank, United Nations Development Program (UNDP), Unilever Ltd.
Languages known
English, Hindi, Marathi, Gujarati
Key Qualifications
Qualified Chemical Engineer possessing about 25 years of diverse industrial experience in the areas of Project handling in Chemical Industry, handling of Techno-commercial matters for Turn-key projects, Water Auditing and Energy Auditing and implementation of Energy Conservation projects and green building consultant. As an energy auditor, have detailed for several energy efficiency projects in the industry as well as in the commercial buildings and providing assistance in implementation of energy efficiency projects.
Key Projects relevant to this assignment
<ul style="list-style-type: none"> <li>○ <b>Energy Efficiency Expert for Project on Promoting Clean and Energy Efficient Cold-Chain in India</b> for MP Ensystems Advisory Pvt. Ltd. in collaboration with Shakti Sustainable Energy Foundation, New Delhi and University of Birmingham, UK.</li> <li>○ <b>Conducted Energy Audits at 15 sites of Amul Dairies</b> including milk processing, Curd, Cheese, Ice cream units.</li> <li>○ <b>Energy audit</b> of chemical industries, involving brines at sub-zero temperatures (from -5 0C to -70 0C). The brine systems comprised of Ammonia, Mono Ethylene Glycol, Calcium Chloride, and Toluene etc...</li> <li>○ <b>Energy audit of a cheese processing industry</b> involving low %RH manufacturing areas and refrigerated storages</li> <li>○ <b>Conducted energy audits in the following industries:</b> Chemical, Textile, Fertilizers, Paints and Resins, Dairy and Food, Engineering, Glass and Metallurgy (Foundry, Aluminium, Brass and Copper etc...)</li> <li>○ <b>Design of Air-conditioning system for National Centre for Performing Arts (NCPA), Mumbai</b></li> </ul>

- **Retro-fit design and installation of Air-conditioning system** at M/s. Mahindra & Mahindra Ltd., Kandivli
- **Design of 160 TR of Solar Air-conditioning system** for Chatrapati Shivaji Maharaj Hospital, Kalwa of Thane Municipal Corporation
- **Design of Low %RH Air-conditioning and Ventilation System for Process areas** for M/s. Siemens Ltd., Kalwa
- **Design of Low %RH Air-conditioning and Ventilation System for Raw Material Storage areas** for M/s. Siemens Ltd., Kalwa
- **Design of Air-conditioning system including Thermal Storage System** for Ram Ganesh Gadkari Rangayatan, Thane
- **Retro-fit designing of Thermal Storage System** for National Stock Exchange of India, BKC, Mumbai
- **Design of Air conditioning and Ventilation system** for M/s. Scania Motors, Bengaluru
- **Design of Radiant Cooling System** for Centre Point International School at Nagpur
- **Design of Zero Liquid Discharge System** for M/s. Rico Auto Industries Ltd., Gurgaon
- **LEED certification** for some esteem clients such as Tata Communication Ltd., IDBI Bank Ltd., Godrej IT Park, RIL - NMSEZ buildings, Rallis India Ltd., Rites Ltd., MasterCard Ltd. (Pune and Vadodara), TomTom India Pvt. Ltd., Thane One, Thane; iNautix India Pvt. Ltd.,
- **IGBC Green Factory Certification** for Godfrey Philips India Ltd., Spacewood Factories (SZ-13 and SZ-25)
- **GRIHA certification** for Software Technology Parks of India, NABARD Housing, HIRCO Residential Complex